BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

ORIGINAL

In re: Complaint by BellSouth Tele-Communications, Inc., Regarding The Operation of a Telecommunications Company by Miami-Dade County in Violation of Florida Statutes and Commission Rules	)	DOCKET NO. 050257-TL

FINAL EXHIBIT NOS. 10-15

DOCUMENT NUMBER-DATE
06968 AUG-9 05
FPSC-COMMISSION CLERK

2 of 29

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LEGAL

Agenda Item No. 5 (d) (10)
3-16-82

RESOLUTION NO. R-361-82

RESOLUTION AWARDING CONTRACT DCAD 6-T-600 FOR AVIATION DEPARTMENT TELECOMMUNICATIONS SYSTEM, MIAMI INTERNATIONAL AIRPORT, TO CENTEL COMMUNICATIONS COMPANY; AUTHORIZING AVIATION DEPARTMENT TO NEGOTIATE FINAL AGREEMENT FOR PURCHASE OR RENTAL OF PROPOSED SYSTEM; AND AUTHORIZING EXECUTION OF APPROPRIATE CONTRACT DOCUMENTS BY THE COUNTY MANAGER

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF DADE COUNTY, FLORIDA, that this Board awards Contract DCAD 6-T-600 for the installation of a Telecommunications System for the Aviation Department at Miami International Airport to Centel Communications Company (Centel), and authorizes the Aviation Department to negotiate a final agreement with Centel for the purchase or rental of the Telecommunications System proposed by Centel in response to publicly advertised request for proposals; upon the preparation of the appropriate contract documents for either purchase of the system in an amount not to exceed $1,046,347, or for rental of the system, for a period of four (4) years, in an amount not to exceed $1,397,812, as set forth in the attached memorandum, the County Manager is authorized to execute the contract on behalf of Dade County.

The foregoing resolution was offered by Commissioner Beverly B. Phillips, who moved its adoption. The motion was seconded by Commissioner James F. Redford, Jr. and upon being put to a vote, the vote was as follows:

Final Exhibit No. 10

EXHIBIT A

Barbara M. Carey	Aye
Clara Oesterle	Aye
Beverly B. Phillips	Aye
James F. Redford, Jr.	Aye
Harvey Ruvin	Absent
Barry D. Schreiber	Aye
Ruth Shack	Aye
Jorge E. Valdes	Aye
Stephen P. Clark	Aye

The Mayor thereupon declared the resolution duly passed and adopted this 16th day of March, 1982.

DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

RICHARD P. BRINKER, CLERK

Approved by County Attorney as to form and legal sufficiency. AP

By RAYMOND REED
Deputy Clerk

MEMORANDUM

107-01-17A

TO R. H. Judy
Aviation Director

DATE February 9, 1982

SUBJECT Report of Evaluation Committee on DCAD Telecommunications Proposals

FROM John van Wezel
Assistant Director-Administration

RECOMMENDATION

The Evaluation Committee established to review competitive proposals for DCAD Telecommunications (Contract DCAD 6-T-600) recommends as its first choice that the contract be awarded for purchase of equipment in accordance with the proposal of Centel Communications Company. The second choice would be further exploration of the rental plan proposed by Centel Communications Company.

BACKGROUND

Evaluation Committee:

On October 26, 1981, by Resolution No. R-1604-81, the Board of County Commissioners waived formal bid procedures to permit solicitation of competitive proposals for DCAD Telecommunications Contract DCAD 6-T-600. Pursuant to this authorization, specifications were revised, advertised and proposals were publicly opened on January 15, 1982.

An Evaluation Committee consisting of the below listed individuals (full resumes are on file), following appropriate public notice, met on February 3, 4 and 5, 1982, to review the proposals, hear presentations from the proposers, ask questions and finally to rank the various proposals. The Evaluation Committee consisted of the following:

John van Wezel, Assistant Director-Administration, Dade County Aviation Department - Chairman

Joseph Fletcher, Director, Dade County General Services Administration

S. Verdette Hall, Manager (Telecommunications Consulting Specialist), Coopers & Lybrand, Houston, Texas

Richard Hannon, Partner, Hancock & Hannon, (Telecommunications Consultants to Aviation Department), St. Louis, Missouri

John Heinsohn, Director of Telecommunications, State of New York, Albany, N.Y.

J. Mullett, Project Manager, Howard Needles Tammen & Bergendoff (Consulting Engineers to Aviation Department), Miami

Lawrence O'Keefe, Engineer - Energy Management and Telecommunications Consultant, Atlanta, Georgia

Phillip Orton, Director of Telecommunications, Eastern Air Lines, Inc. Miami

Charles Schweis, Director of Telecommunications, Ciba-Geigy Corporation, Ardsley, N.Y.

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Summary of Evaluation:

The following summarizes the proposals in order of ranking by the Evaluation Committee, indicating eight year first cost (actual cash), eight year present value analysis cost, the proposed time of completion in calendar days and number of Evaluation points (best possible is 9; worst possible is 54), based on Exhibit A attached hereto:

Name of Proposer	Eight Year First Cost (000's)	Eight Year Present Value (000's)	Time of Completion (Days)	Evaluation Points
Centel Communications - Purchase	$1,958.4	$1,546.5	225	10
Centel Communications - Rental	$2,589.0	$1,774.6	225	20
Southern Bell	$3,703.6	$2,472.0	287	34
Burnup & Sims	$2,369.5	$1,938.8	235	35
General Dynamics	$2,137.6	$1,714.1	210	37
Florida Telcom	$2,555.7	$2.127.9	455	53

Exhibit B to this report, dated February 15, 1982, consisting of some 16 pages, provides the in-depth analysis of the financial aspects of each of the proposals, with the financial figures shown above being derived from the summary on Page 16. The Exhibit includes a detailed explanation of the financial analysis methodology and assumptions used.

Summary of Proposals:

General

When proposals were opened on January 15, 1982, six proposals were received from the five firms listed (Centel's proposal was subsequently divided into two in order to separately consider their alternate rental proposal) and from Rockwell International. The Rockwell proposal was not considered based on advice from the County Attorney's Office that it was non-responsive, in that it took exception to or did not comply with one or more of the seven specification requirements which proposers were required to adhere to, namely those for Proposal Bond, Performance Bond, Payment Bond, Insurance, Affirmative Action, Minority Business Enterprises and minimum experience requirements.

Centel Communications Company

Centel Communications is a wholly owned subsidiary of Central Telephone & Utilities Corporation, which operates the fifth largest telephone system in the United States and is near the top in the interconnect telephone market. Centel's proposal offered separate Northern Telecom SL-1LE switching systems for the Airport and the Hotel at a purchase price of $829,139, subject to adjustments as described in Exhibit B, resulting in an eight year present value cost of about $1,546,497. The Centel proposal took exception to three of the stated system feature preferences in the Technical Specifications and in limited ways to the provisions regarding maintenance requirements and associated failure penalties.

In addition to its basic purchase proposal, Centel offered an alternate rental proposal at an approximate $306,953 per year for the first four years and an option for renewal for an additional four years at an annual price equal to 60% of the annual cost for the first four years. The eight year present value cost of this proposal would be about $1,774,647. Included within this rental plan alternative would be an opportunity, subject to DCAD concurrence and negotiation, for them to install a large SL-1 switch with additional capacity permitting them to offer service to other Airport users, representing a potential revenue source to the Department.

Southern Bell Telephone & Telegraph Company

Southern Bell offered a rental plan proposal based on the preferred single switch configuration using the Western Electric-Bell System Dimension 2000. However, the Dimension switch is an analog configuration as opposed to digital which was the stated preference. Southern Bell took numerous exceptions to other preferred terms and conditions based on either their corporate policy or tariff restrictions. During the oral presentation, questions developed as to whether the switch room specified would be sufficient to house the switch gear and battery reserve proposed by Southern Bell, probably resulting in a significant, but unknown, additional cost. As reflected in Exhibit B, the eight year present value cost of this proposal, based on a number of conservative assumptions, would be approximately $2,472,042.

Burnup & Sims Communications Services of Florida, Inc.

Burnup & Sims, the next rated proposer, proposed to provide two separate Northern Telcom SL-1LE switching systems, at an eight year present value cost of some $1,938,801. Overall the Burnup & Sims proposal was among the most compliant, taking exception to only three system and four station features of a relatively minor nature.

General Dynamics Communication Company (GDCC)

GDCC's proposal was based on provision of two separate Stromberg-Carlson Century Infotran-1200 switching systems with an estimated eight year present value cost of $1,714,075. GDCC took numerous exceptions to the preferred terms and conditions from general conditions through special conditions and technical specifications, many of which are substantive and are of cause for concern in terms of our ability to enforce performance.

Florida Telcom, Inc.

The lowest rated proposer, Florida Telcom, proposed two separate NEC NEAX-22 switching systems at an estimated eight year present value cost of $2,127,905. Florida Telcom took only minor exceptions to the preferred specifications.

Evaluation Approach

In accordance with the specifications, the Evaluation Committee was asked to evaluate each proposal based on the following:

1. Suppliers, including such factors as local capabilities, experience, reputation and their implementation and cable distribution plans.

2. Maintenance, including location, staffing, training, response time guarantees, equipment reliability factors (MeanTime Between Failures and MeanTime To Repair), remote diagnostic capabilities and experience with the equipment offered.

3. Exceptions taken by Proposers and their potential impact on DCAD, the system, its cost assurances, and guaranteed performance.

4. Equipment, including previous knowledge of its capabilities and reliability, whether it was in the preferred single switch configuration, whether it was digital (preferred) or analog and to what extent it met the numerous preferred system, station and console features, etc.

5. Other factors.

6. Costs on both an eight year "first cost" and an eight year "present value" basis (Exhibit B).

The members of the Evaluation Committee based on their experience and expertise, weighting the six factors in their own judgment, were then to rank the proposals in the order which they felt were in the Department's best interests. These rankings are reflected in the opening of this report. It should be noted that eight of the nine Committee members rated the Centel purchase plan as their first choice. The remaining member voted Centel rental first and Centel purchase second.

After the ranking was completed, each Committee member, except this writer, was privately interviewed as to how sensitive to cost his ranking was, in the event the final cost analysis (Exhibit B) resulted in any appreciable shift between the relative costs of proposers, and what were the key reasons for their rank ordering. Without identifying the individuals by name, the following is a summation of their responses to the two questions:

- No price sensitivity
- Equipment and system - state of the art. Corporate commitment.

- No significant price sensitivity.
- Equipment and the firm's experience with the equipment. The firm.

- No price sensitivity.
- Equipment technology. Commitment of corporation.

- No sensitivity in the $100,000 range.
- The switching vehicle, its flexibility, growth and adaptability.

- $250,000 or more.
- Cost and support.

- No price sensitivity.
- Expertise, progress, success and commitment of corporation. Completeness of proposal.

- $250,000 over 8 years.
- How well prepared proposer was, their initiative and compliance.

- $100,000 or more
- Tried and proven product and supplier. Stability of supplier over next 5-10 years.

In addition, attached as Exhibit C is a brief analysis of each of the four switching systems prepared by one of the Evaluation Committee members.

SUMMARY

The members of the Evaluation Committee, based primarily on their belief that the Northern Telecom SL-1LE switching system is the best of the four offerings and secondarily on their confidence in the commitment of the proposer to serve DCAD and the South Florida area, essentially unanimously recommends the Centel proposal, preferring the purchase option, but giving high second place grades to the rental plan for further consideration.

attachments

Exhibit A

PROPOSAL RANKINGS

Name	Burnup & Sims	Centel Purchase	Centel Rental	Florida Telcom	General Dynamics	Southern Bell
J. van Wezel	3	1	2	6	4	5
J. Fletcher	2	1	3	6	5	4
S. V. Hall	4	1	2	6	5	3
R. Hannon	3	1	2	6	5	4
J. Heinsohn	4	1	2	6	5	3
J. Mullett	4	1	2	6	5	3
L. O'Keefe	6	2	1	5	3	4
P. Orton	4	1	2	6	3	5
C. Schweis	5	1	4	6	2	3
Total	35	10	20	53	37	34

DADE COUNTY AVIATION DEPARTMENT

Continuing Trunk Requirements
from
Southern Bell Telephone
with
Dimension 2000 or A Private Telephone System

	Installation Charge	Monthly Rental
AIRPORT		
Trunks:		
30 DID Trunks	$ 632.00	$1,963.50
30 Out Dial Trunks	585.00	1,963.50
Touch Tone:		
30 Touch Tone Charges	------	105.00
DID:		
First 100 Numbers	750.00	420.00
Next 100 Numbers	600.00	330.00
Third 100 Numbers	75.00	42.50
Sub-Total	$2,642.00	$4,824.50
HOTEL		
Trunks:		
First Measured Trunk	$ 66.50	$ 22.30
26 Subsequent Trunks	507.00	289.90
8 HOBIC Trunks	------	------
27 Touch Tone Charges	------	94.50
Sub-Total	$ 573.50	$ 406.70
GRAND TOTAL	3,215.50	5,231.20

Annual Rental $62,774.40

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DADE COUNTY AVIATION DEPARTMENT

Common Adjustment to All
Purchase Interconnect System Proposals

It is recognized that certain increased risks and responsibilities apply with an interconnected telephone system over a rented one. For example, the task of administering and protecting purchased property is greater than property rented from someone else. Accordingly, shown below are two additional cost factors applicable to purchased systems.

The first cost is for stolen telephones and equipment. It was suggested that a large number of telephones are removed from the Airport, and that Southern Bell has replaced them in the past with no added charge. An allowance of $200 per month, or $2,400 per year, is included for all purchase proposals from year one. This allowance is increased at the rate of 8% annually.

Similarly, it was contended that an administrative expense would be necessary to safeguard an interconnected telephone system, where such expense is not required with a rented system. Therefore, an allowance of $25,000 annually is included in the interconnected purchase proposals to reflect this added administrative burden over the Bell rental proposal. This allowance is increased at the rate of 6% annually.

Shown below are the two expenses, totalled each year, that appear in the individual system calculation columns under the system purchase price. As Centel has agreed to administer their rented system and replace stolen and damaged telephones, these additional cost factors are not considered applicable to the rental proposals from either Southern Bell or Centel.

Year	8%	6%	Total
1	$2,400	$25,000	$27,400
2	2,592	26,500	29,092
3	2,799	28,090	30,889
4	3,023	29,775	32,798
5	3,265	31,562	34,827
6	3,526	33,456	36,982
7	3,808	35,463	39,271
8	4,113	37,591	41,704
9	4,442	39,846	44,288
10	4,798	42,237	47,035

DADE COUNTY AVIATION DEPARTMENT

Burnup & Sims Communications Services of Florida, Inc.
Proposal for
Two Separate SL-1 Systems
Manufactured by Northern Telcom

Proposal Form	Purchase Price
1. SL-1 System for Airport	$ 850,000
2. SL-1 System for Hotel	350,000
TOTAL	$1,200,000
Hotel Switch Credit	15,000
NET PROPOSAL FORM PRICE	$1,185,000*

Options:

1. Spare Parts Maintenance Kit	$ 30,370
2. Test Equipment	2,050
3. Paging System Maintenance Area	6,374*
4. Tram Control Room Telephone	Included
5. Message Waiting	Included
6. Do Not Disturb	Included
7. Maintenance after Two-Year Warranty	
One Year	33,000
Three Years	36,900
Five Years	42,504
Ten Years	48,879
8. Hotel Message Accounting System (Call Cashier - 2AP Call)	26,000*
Final System Purchase Price	$1,217,374

*Includes Paging System Maintenance Area and Hotel Message Accounting System

DADE COUNTY AVIATION DEPARTMENT

Burnup & Sims Communications Services of Florida, Inc.

Two SL-1 Systems

Year	System Purchase Price Annual Stolen Equipment[1] & Administrative Expense[2]	Maintenance Expenses[3] Annualized	(4) Trunks and Touch Tone Equipment	Annual Total	Cumulative Total	Reduced to Present Value @11% Cost of Money Compounded Monthly Annual	Cumulative
0	$1,217,374	$------	$ 3,216	$1,220,590	$1,220,590	$1,220,590	$1,220,590
1	27,400	------	62,774	90,174	1,310,764	85,024	1,305,614
2	29,092	------	66,540	95,632	1,406,396	80,817	1,386,431
3	30,889	33,000	70,533	134,422	1,540,818	101,816	1,488,248
4	32,798	36,300	74,765	143,863	1,684,681	97,666	1,585,913
5	34,827	39,930	79,251	154,008	1,838,689	93,709	1,679,622
6	36,982	43,923	84,006	164,911	2,003,600	89,936	1,769,558
7	39,271	48,315	89,046	176,632	2,180,232	86,337	1,855,895
8	41,704	53,147	94,389	189,240	2,369,472	82,906	1,938,801
9	44,288	58,462	100,052	202,802	2,572,274	79,633	2,018,434
10	47,035	64,308	106,055	217,398	2,789,672	76,510	2,094,944

[1] The value of stolen equipment is escalated at 8% annually.

[2] Administrative expense begins in year one and escalates at 6% annually.

[3] The maintenance expense begins in year three and escalates at 10% annually.

[4] The continuing Southern Bell charges are escalated at 6% annually.

DADE COUNTY AVIATION DEPARTMENT

Centel Proposal
for
Two Separate SL-1 Systems
Manufactured by Northern Telcom

Proposal Form:	Purchase Price
1. SL-1 LE System for Airport	$541,679
2. SL-1 LE System for Hotel	287,460
TOTAL	$829,139
Hotel Switch Credit	----
NET PPOPOSAL FORM PRICE	$829,139*

Options:

1.	Spare Parts Maintenance Kit	$ 66,751
2.	Test Equipment	3,400
3.	Paging System Maintenance Area	1,872*
4.	Tram Control Room Telephone	1,341) Included
5.	Message Waiting	600) in
6.	Do Not Disturb	2,466) Proposal Price
7.	Maintenance after Two-Year Warranty	
	One Year	27,360
	Three Years	96,332
	Five Years	164,472
	Ten Years	Not Offered
8.	Hotel Message Accounting (Com Dev Model 8100)	16,752*

Final System Purchase Price $849,815

*Includes Paging System Maintenance Area, ComDev Message Accounting for Hotel and ComDev Message Accounting for Airport instead of TSB proposed. ($16,752 - 14,700 = $2,052)

DADE COUNTY AVIATION DEPARTMENT

Centel Communications Company Purchase Proposal

Two SL-1 Systems

Year	System Purchase Price, Annual Stolen Equipment[1] & Administrative Expense[2]	Maintenance Expenses[3] Annualized	(4) Trunks and Touch Tone Equipment	Annual Total	Cumulative Total	Reduced to Present Value @11% Cost of Money Compounded Monthly Annual	Cumulative
0	$849,815	$------	$ 3,216	$853,031	$ 853,031	$853,031	$ 853,031
1	27,400	------	62,774	90,174	943,205	85,024	938,055
2	29,092	------	66,540	95,632	1,038,837	80,817	1,018,872
3	30,889	27,360	70,533	128,782	1,167,619	97,544	1,116,417
4	32,798	30,096	74,765	137,659	1,305,278	93,454	1,209,871
5	34,827	33,106	79,251	147,184	1,452,462	89,557	1,299,427
6	36,982	36,416	84,006	157,404	1,609,866	85,842	1,385,269
7	39,271	40,058	89,046	168,375	1,778,241	82,301	1,467,570
8	41,704	44,064	94,389	180,157	1,958,398	78,927	1,546,497
9	44,288	48,470	100,052	192,810	2,151,208	75,709	1,622,206
10	47,035	53,317	106,055	206.407	2,357,615	72,642	1,694,848

(1) The value of stolen equipment is escalated at 8% annually.

(2) Administrative expense begins in year one and escalates at 6% annually.

(3) The maintenance expense begins in year three and escalates at 10% annually.

(4) The continuing Southern Bell charges are escalated at 6% annually.

DADE COUNTY AVIATION DEPARTMENT

Centel Proposal - 48 Month Rental Plan
for
Two Separate SL-1 Systems
Manufactured by Northern Telcom

Proposal Form:	Monthly Rental
1. SL-1 LE System for Airport	$ 16,304.53
2. SL-1 LE System for Hotel	8,652.55
TOTAL	$ 24,957.08
Hotel Switch Credit	------
ANNUAL RENTAL - First Four Years	$299,484.96
- Second Four Years (60%)	179,690.98

Options - Monthly Rental:

1. Spare Parts Maintenance Kit	Not Applicable
2. Test Equipment	Not Applicable
3. Paging System Maintenance Area	56.35*
4. Tram Control Room Telephone	40.36) Included in Proposal Price
5. Message Waiting	18.06)
6. Do Not Disturb	74.23)
7. Maintenance after Two-Year Warranty	
One Year	Not Applicable
Three Years	Not Applicable
Five Years	Not Applicable
Ten Years	Not Applicable
8. Hotel Message Accounting System	504.24*

Contracted Annual Rental:

First Four Years . . . $306,953.28 (299,484.96 + 7,468.32 = 306,953.28)
Second Four Years. . . $184,171.97 (179,690.98 + 4,480.99 = 184,171.97)

*Includes ComDev Units for Airport & Hotel as well as the Paging System in the Maintenance Area.

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DADE COUNTY AVIATION DEPARTMENT

Centel Communications Company Rental Proposal

Two SL-1 Systems

Year	System Rental Plan including Maintenance	(1) Trunks and Touch Tone Equipment	Annual Total	Cumulative Total	Reduced to Present Value @11% Cost of Money Compounded Monthly Annual	Cumulative
0	$-------	$ 3,216	$ 3,216	$ 3,216	$ 3,216	$ 3,216
1	306,953	62,774	369,727	372,943	348,611	351,827
2	306,953	66,540	373,493	746,436	315,634	667,462
3	306,953	70,533	377,486	1,123,922	285,922	953,384
4	306,953	74,765	381,718	1,505,640	259,140	1,212,524
5	184,172	79,251	263,423	1,769,063	160,284	1,372,808
6	184,172	84,006	268,178	2,037,241	146,253	1,519,062
7	184,172	89,046	273,218	2,310,459	133,548	1,652,610
8	184,172	94,389	278,561	2,589,020	122,038	1,774,647
9	184,172	100,052	284,224	2,873,244	111,604	1,886,251
10	184,172	106,055	290,227	3,163,471	102,141	1,988,393

(1) The continuing Southern Bell charges are escalated at 6% annually.

DADE COUNTY AVIATION DEPARTMENT

Florida Telcom Inc. Proposal
for
Two Separate NEAX-22SA Systems
Manufactured by Nippon Electric Corp.

Proposal Form	Purchase Price
1. NEAX-22SA System for Airport	$1,149,491
2. NEAX-22SA System for Hotel	256,804
TOTAL	$1,406,295
Hotel Switch Credit	20,000
NET PROPOSAL FORM PRICE	$1,386,295*

Options:

1. Spare Parts Maintenance Kit	Included	
2. Test Equipment	321	
3. Paging System Maintenance Area	7,200)	Included in Proposal Price
4. Tram Control Room Telephone	15,303)	
5. Message Waiting	3,168)	
6. Do Not Disturb	Included	
7. Maintenance after Two-Year Warranty		
One Year	32,130	
Three Years	139,764	
Five Years	281,137	
Ten Years	Not Offered	
8. Hotel Message Accounting System (Datapoint - Model 9195)	24,000*	
Final System Purchase Price	$1,410,295	

*Includes Hotel Message Accounting System

DADE COUNTY AVIATION DEPARTMENT

General Dynamics Communications Company Proposal
for
Two Separate DBX-1200 Systems
Manufactured by Stromberg-Carlson

Proposal Form	Purchase Price
1. DBX-1200 System for Airport	$ 775,567
2. DBX-1200 System for Hotel	245,879
TOTAL	$1,021,446
Hotel Switch Credit	22,081
NET PROPOSAL FORM PRICE	$ 999,365

Options:

1. Spare Parts Maintenance Kit	$ 22,860
2. Test Equipment	Omitted
3. Paging System Maintenance Area	2,760*
4. Tram Control Room Telephone	616 (Included)
5. Message Waiting	Included in Proposal
6. Do Not Disturb	Included in Proposal
7. Maintenance after Two-Year Warranty	
One Year	30,840
Three Years	102,051
Five Years	188,122
Ten Years	Not Offered
8. Hotel Message Accounting System	2,460 (Included)
Final System Purchase Price	$1,002,125

*Includes Paging System Tram Control Area

DADE COUNTY AVIATION DEPARTMENT

General Dynamics Communications Company Proposal

Two DBX-1200 Systems

Year	System Purchase Price, Annual Stolen Equipment[1] & Administrative Expense[2]	Maintenance Expenses[3] Annualized	(4) Trunks and Touch Tone Equipment	Annual Total	Cumulative Total	Reduced to Present Value @11% Cost of Money Compounded Monthly Annual	Cumulative
0	$1,002,125	$-------	$ 3,216	$1,005,341	$1,005,341	$1,005,341	$1,005,341
1	27,400	-------	62,774	90,174	1,095,515	85,024	1,090,365
2	29,092	-------	66,540	95,632	1,191,147	80,817	1,171,182
3	30,889	30,840	70,533	132,262	1,323,409	100,180	1,271,363
4	32,798	33,924	74,765	141,487	1,464,896	96,053	1,367,415
5	34,827	37,316	79,251	151,394	1,616,290	92,118	1,459,534
6	36,982	41,048	84,006	162,036	1,778,326	88,368	1,547,901
7	39,271	45,153	89,046	173,470	1,951,796	84,792	1,632,693
8	41,704	49,668	94,389	185,761	2,137,557	81,382	1,714,075
9	44,288	54,635	100,052	198,975	2,336,532	78,130	1,792,205
10	47,035	60,098	106,055	213,188	2,549,720	75,029	1,867,233

[1] The value of stolen equipment is escalated at 8% annually.

[2] Administrative expense begins in year one and escalates at 6% annually.

[3] The maintenance expense begins in year three and escalates at 10% annually.

[4] The continuing Southern Bell charges are escalated at 6% annually.

DADE COUNTY AVIATION DEPARTMENT

Southern Bell Telephone Proposal
Bid Form Amounts

Proposal Form	Installation Charge	Monthly Rental
1. Dimension 2000 Switching System serving Airport and Hotel	$125,466.50	$17,492.00
2. Airport Peripheral Equipment including Stations, Telephones and Key Equipment	7,418.30	4,140.65
3. Hotel Peripheral Equipment	5,985.60	1,377.80
BID FORM TOTALS	$138,870.40	$23,010.45

The rental for the Dimension is subject to the 48-month contract and protected from rate increases during that period.

Options:

1. Maintenance	Not Applicable	
2. Test Equipment	Not Applicable	
3. Paging System Maintenance	$ 185.00	$ 44.90
4. Panel Telephone Tram Control Room (Added to System)	150.00	46.90
5. Subsequent Years Maintenance	Not Applicable	
6. Do Not Disturb	Included in Proposal	
7. Message Waiting Common Equipment	Included in Proposal	
264 Telephones	----	356.40
8. Hotel Call Rating System (Estimated)	6,000.00	1,700.00
OPTIONS TOTAL	$ 6,335.00	$ 2,147.70

Installation Interval — 41 Weeks (287 Days)

Conduit Expressly Excluded:

Page IP-8 - "Dade County is responsible for furnishing any conduit which may be required."

DADE COUNTY AVIATION DEPARTMENT

Southern Bell Telephone Proposal

Adjustments to Proposal Form Amounts

	Installation Charge	Monthly Rental
Proposal Form Amount Totals		
Dimension System (48-Month Contract)	$125,466.50	$17,492.00
Peripheral Equipment (Non-Contract)		
Airport	7,418.30	4,140.65
Hotel	5,985.60	1,377.80
Equipment Additions & Adjustments		
Dimension System		
Credit for Existing Hotel System	$(10,239.77)	----
Conduit	50,000.00	----
Performance Bond & Payment Bond	3,335.00	----
Sub-Total	$ 43,095.23	$ ----
Airport Peripheral Equipment		
1 - Maintenance Area Paging System	$ 185.00	$ 44.90
4 - 8 Line Status Indicators	200.00	62.40
12 - 16 Line Status Indicators	600.00	259.20
20 - Elevator Telephones	----	174.00
8 - Lightweight Headsets for Use with Tram Telephones	60.00	43.60
1 - Message Detail Recording System	2,508.00	696.50
1 - Lot Mileage	----	782.80
Sub-Total	$ 3,553.00	$ 2,063.40
Hotel Peripheral Equipment		
Hotel Call Rating System (Estimated)	$ 6,000.00	$ 1,700.00
Message Waiting Telephones	----	356.40
Sub-Total	$ 6,000.00	$ 2,056.40
Adjusted Totals		
Dimension System	$168,561.73	$17,492.00
Peripheral Equipment		
Airport	10,971.30	6,204.05
Hotel	11,985.60	3,434.20
Peripheral Equipment Total	$ 22,956.90	$ 9,638.25

Installation Charges

Dimension System $168,561.73
Peripheral Equipment 22,956.90

Annual Rentals

Dimension System . . . . . $209,904.00 (12 x 17,492.00 = 209,904.00)
Peripheral Equipment . . . . . 115,659.00 (12 x 9,638.25 = 115,659.00)

24

Business — Marketing Department
Government/ Education/ Medical & Lodging Industries

Southern Bell

7740 N.W.50th Street
Building B
Miami, Florida 33166
Phone (305) 593-5300

February 4, 1982

Mr. Dick Hannon
Communications Consultant
Hancock & Hannon, Inc.
c/o Dade County Aviation Authority
Miami International Airport
Miami, Florida

Dear Mr. Hannon:

In response to your questions received in the past two weeks concerning detailed costs for several components of Southern Bell's proposal to the Dade County Aviation Department, we are providing the following information:

1. The cost to Dade County Aviation Authority for a Performance and Payment Bond will be $ 3,335.00. As we discussed, this cost was previously included in the Contract allowances of $ 100,000.00 because a detailed cost breakdown was not available at the time of proposal submission.

2. Southern Bell's Rates and Tariff Department has reviewed our interpretation of the definition of "Same Building" for the purposes of determining when mileage charges apply. It has been determined that the Parking Garages are considered part of the main terminal building as they are connected by a covered walkway to Concourse B. The Satellite building is also considered part of the terminal building as the Tram structure connects the two buildings and it is possible for wires or cables of the Company to be safely run on the structure. A copy of the Tariff description and the applicable charges is attached.

3. Regarding our conversation concerning the cost of conduit, Southern Bell engineers and technicians who are familiar with our existing cable and conduit facilities at the airport have estimated new conduit requirements of no more than 2000 feet at a maximum cost of $ 10,000.00.

Attachment I

MILEAGE CHARGES

Location	Station Total
Central Chiller	3
Fire Station	12
Electrical Vault	1
Bomb Threat Building	1
Fire Department	12
Maintenance Buildings	37
Outside Locations	14
Total	80

The average distance between the outlying buildings and the main terminal building is 3/10 mile. The mileage charge is $ 1.90 per one tenth mile increment per month.

Mileage Charge per Month = $ 456.00

Mileage Charge per Year = $ 5, 472.00

SOUTHERN BELL TELEPHONE AND TELEGRAPH COMPANY
FLORIDA
DEC 01 1981
W. N. Alford, Vice President
Miami, Florida

PRIVATE LINE SERVICE TARIFF

Second Revised Page 18
Cancels First Revised Page 18

EFFECTIVE: DEC 01 1981

B2. REGULATIONS

B2.5 Definitions (Cont'd)

Private Line Network (C)

The term "Private Line Network" denotes two or more private line units of the same type contracted for by one customer and reaching one or more common service points. The lines may be operated separately or they may be connected or connectable by means of a switching arrangement.

Rate Center (C)

The term "Rate Center" for private line services is a specified geographical location within an exchange area from which mileage measurements are determined for the application of interexchange mileage rates.

Same Building (C)

The term "Same Building" is to be interpreted as a structure under one roof, or two or more structures under separate roofs but connected by enclosed passageways in which the wires or cable of the Company can be safely run provided the plant facility requirements are not appreciably greater than would be required normally if all structures were under one roof. In those cases where there are several structures under separate roofs but connected by enclosed passageways and the plant facility requirements for furnishing service are appreciably greater than would be required normally if all the structures were under one roof, the term "same building" applies individually to each of the separate structures. Pipes and conduit are not considered enclosed passageways. (N)

Service Point (C)

The term "Service Point" when used in connection with private line services denotes an exchange which normally serves the exchange area in which a station of the customer is located, or an exchange in which an interexchange channel is terminated in a Telephone Company office at the request of the customer.

The term "Service Point" when used in connection with customer-provided communication channels denotes the point on the customer's premises where channels provided by or furnished to the customer are terminated in transmitting and receiving terminating equipment or switching equipment used, at least in part, for communications with stations or customer-provided terminal equipment located on the premises.

Serving Central Office (C)

The term "serving central office" denotes the central office from which a customer or authorized user would normally be served for local exchange telephone service.

Single Ended Terminal Device (C)

The term "Single Ended Terminal Device" denotes a device which terminates only one line or channel at a given time (example - headset).

Station (C)

The term "Station" as used in connection with private line services:

a. Denotes the transmitting or receiving equipment, or combination transmitting and receiving equipment furnished by the Telephone Company at any location on a premises and connected for private line service or,

b. Denotes a point on a premises at which a channel is terminated where the service involves only channels and the transmitting or receiving equipment, or combination transmitting and receiving equipment, is furnished by the customer, authorized user or joint user or,

c. Denotes a termination of a private line in a Telephone Company office for foreign exchange service or in a switching center of a Switched Circuit Automatic Network or a Common Control Switching Arrangement.

DADE COUNTY AVIATION DEPARTMENT

Mileage Treatment

Different Buildings on Airport

Building	Airline Distance in Inches between Cable Entry Points into Buildings	Airline Distance in Feet (x 500)	Number of Tenths (÷ by 528)	Use	Number of Circuits	Total Tenths Subject to Mileage
Satellite	1-13/16	1405	2.66	3	46	138
Chiller	1-3/4	875	1.66	2	3	6
Fire Station	5-11/16	2845	5.39	6	12	72
Vault	6-1/16	3030	5.74	6	1	6
Bomb Threat Bldg.	6-1/2	3250	6.16	7	1	7
Fire Dept. Office	5-1/2	2750	5.21	6	12	72
Maintenance*	3-1/8	1565	2.96	3	37	111
				TOTAL		412

Mileage Total - $782.80 (412 x 1.90 = 782.80)

Buildings Considered as Connected by Covered Walkways to Main Terminal, thus Being Considered Same Building as Airport Terminal:

Parking Garage 3	1/2	250		1	24	24
Parking Garage 4	1-1/2	750	1.42	2	1	2
Parking Garage 5	1-1/4	625	1.18	2	2	4
Transport Office				1	1	1
				TOTAL		31

Not Applied - $ 58.90 (31 x 1.90 = 58.90)

*Measured nearest corner of Terminal where underground conduit is known to leave Terminal for Maintenance Area.

DADE COUNTY AVIATION DEPARTMENT

Airport and Hotel Combined Switching System
Southern Bell Telephone
Dimension 2000 Feature Package 11

Year	(1) Dimension Contract 48 Months	(2) Non-Contract Equipment	(3) Trunks and Touch Tone Equipment	Annual Total	Cumulative Total	Reduced to Present Value @11% Cost of Money Compounded Monthly Annual	Cumulative
0	$168,562	$ 22,957	$ 3,216	$194,735	$ 194,735	$194,735	$ 194,735
1	209,904	115,659	62,774	388,337	583,072	366,158	560,893
2	209,904	120,285	66,540	396,729	979,801	335,271	896,164
3	209,904	125,097	70,533	405,534	1,385,335	307,167	1,203,331
4	209,904	130,101	74,765	414,770	1,800,105	281,579	1,484,910
5	245,558	135,305	79,251	460,114	2,260,219	279,965	1,764,874
6	245,558	140,717	84,006	470,281	2,730,500	256,472	2,021,346
7	245,558	146,346	89,046	480,950	3,211,450	235,087	2,256,433
8	245,558	152,199	94,389	492,146	3,703,596	215,609	2,472,042
9	287,268	158,287	100,052	545,607	4,249,203	214,239	2,686,281
10	287,268	164,619	106,055	557,942	4,807,145	196,360	2,882,641

(1) Escalated at 4% annually and effected every four years.

(2) Escalated at 4% annually.

(3) Escalated at 6% annually.

DADE COUNTY AVIATION DEPARTMENT

Cash Flow Comparisons

Cumulative Totals

(in Thousands of Dollars)

FIRST COST

Year	Burnup & Sims	Centel Communications Purchase	Centel Communications Rental	Florida Telcom	GDCC	Southern Bell
2	1406.4	1038.8	746.4	1599.3	1191.1	979.8
4	1684.7	1305.3	1505.6	1875.8	1464.9	1800.1
6	2003.6	1609.9	2037.2	2192.5	1778.3	2730.5
8	2369.5	1958.4	2589.0	2555.7	2137.6	3703.6
10	2789.7	2357.6	3163.5	2972.6	2549.7	4807.1

REDUCED TO PRESENT VALUE @ 11% COST OF MONEY

2	1386.4	1018.9	667.5	1579.4	1171.2	896.2
4	1585.9	1209.9	1212.5	1777.5	1367.4	1484.9
6	1769.6	1385.3	1519.1	1959.9	1547.9	2021.3
8	1938.8	1546.5	1774.6	2127.9	1714.1	2472.0
10	2094.9	1694.8	1988.4	2282.8	1867.2	2882.6

EXHIBIT C

COMMENTS ON PROPOSED
SWITCHING SYSTEMS

NORTHERN TELECOM - SL-1 (Burnup & Sims; Centel)

The SL-1 has earned an envied reputation for efficiency, stability and reliability. The basic design, incorporated into voice and data, local and toll switching systems, standardized and used in Bell and non-Bell applications, is constantly being improved to anticipate modern users needs.

Northern Telecom, subsidiary of Northern Electric (originally established by AT&T as a sister manufacturing entity to Western Electric) provides service consistent to that once provided by Bell System.

Accepted: With no reservations.

(Note: Dade County, through the General Services Administration, presently owns, operates and maintains two (2) Northern Telecom SL-1 switches, providing potential backup assistance for the Aviation Department).

DIMENSION 2000 (Southern Bell)

The Dimension 2000 telephone system, designed in 1974, cannot compare technically to the other vendor system designs. Principle difference is the dimension analog system design as compared to the modern digital system design of the other proposing vendors. The practical aspects of the older technology is the comparatively limited system feature, data and office automation offerings of the Dimension 2000 FP8.

Bell proposes future update conversion of all dimensions to digital technology. This must be a costly and delicate maneuver. Logically, Bell should abandon the Dimension 2000 series and offer a new replacement. If so, the Dimension would have maximum 4 years of service to Miami Airport before forced replacement.

Accepted: With the following reservations.

Southern Bell as with other Bell operating companies, has a confusing future. It is reasonable, even mandatory for Southern Bell to formally clarify their position on these issues.

SYSTEM CENTURY 1200 (General Dynamics)

This switch is hybrid analog/digital design, with a digital center enabled by codec devices at outlets to station instruments and/or trunks. A radical software and hardware redesign is necessary to accommodate digital electronic telephones, digital trunks (T-1 Carrier) or digital data interfaces. For this reason GDCC offered conventional "1-A" key station equipment.

Rejected:

Poor switch design, questional application or functional advantages over current system, considerable and costly upgrade retrofits near term.

NEC NEAX-22 (Fl :ida Telcom)

The NEAX line c telephone switches are of a good, stable and reliable design. As with the infotran, it cannot support an electronic instiument. Additionally, NEC has not designed one.

The largest single fault is in offering conventional telephones. Whereas, the telephone design is not most desirable, the greatest difficulty is in the comparatively gross quantity of wires needed (25 to 100 pair as compared to 3 pair) and the associated electro-mechanical actuating systems.

Accepted: With the following reservations.

Inability to meet the intent of the system specifications.

MEMORANDUM Agenda Item No. 5 (d)(10)

107,67-17A

TO Honorable Mayor and Members
Board of County Commissioners

DATE March 16, 1982

SUBJECT Award of Proposal for Aviation Department Telecommunications

FROM [illegible] Steinhorn
County Manager

RECOMMENDATION

It is recommended that the Board award the contract for Aviation Department Telecommunications for Miami International Airport and the Airport Hotel to Centel Communications Company, based on its proposal dated January 13, 1982 and that the Aviation Department be authorized to negotiate a final contract, based on such proposal for either purchase (in an amount not to exceed $1,046,347 or rental (in an amount not to exceed $1,397,812, for four (4) years from date of system cutover), to be executed by this office on behalf of the County.

BACKGROUND

In mid-1981, the Aviation Department advertised for telecommunications to serve the administrative functions of the Airport and to replace the outdated mechanical switching system serving the Airport Hotel. Although three bids were received, they had to be rejected, since they were all non-responsive to the specifications in varying degrees. At this time, the Board directed that future telephone specifications be so prepared as to permit Southern Bell to submit compliant bids, recognizing the restrictions of their tariff. As a result of these instructions, the Board adopted Resolution No. R-1604-81 on October 26, 1981 which waived competitive bidding procedures in order to seek competitive proposals for the Aviation Department's telecommunications contract.

Subsequently, the Department advertised proposal specifications which would permit all proposers to take exception to any part of the preferred specifications and contract requirements, except seven essential elements. Six proposals were publicly opened on January 15, 1982. Based on the advice of the County Attorney's Office, the proposal of Rockwell International was rejected and not considered as it was non-compliant in that it did not fulfill several of the seven required elements.

The remaining five proposals were submitted to an expert Evaluation Committee which met on February 3, 4 and 5 to hear presentations from the proposers, to ask questions and finally to rank the proposers. The Committee was virtually unanimous in recommending the proposals (either the basic purchase plan or the alternate rental option) of Centel Communications Company. The Committee's detailed report, along with the Aviation Director's memorandum of concurrence is attached.

The "not to exceed" figures contained in the Recommendation Section of this report do not coincide with those contained in the Evaluation Committee's report, since they have been adjusted to include acceptance of a number of the optional items in the specifications and to provide an allowance for added installations after system cutover. These figures were derived as follows:

	Centel	
	Purchase	Rental
Base Price	$849,815	$1,227,812
Allowance Account for Conduit and Equipment changes prior to cutover*	100,000	100,000
Changes and moves during warranty or rental periods**	40,000	70,000
Replacement of lost and stolen equipment**	56,492	-0-
Not to exceed Total	$1,046,347	$1,397,812

* Included in specifications for all proposers.

** Substantially similar amounts would be required for all proposers, except Southern Bell.

STATE OF FLORIDA)
) SS:
COUNTY OF DADE)

I, RICHARD P. BRINKER, Clerk of the Circuit Court in and for Dade County, Florida, and Ex-Officio Clerk of the Board of County Commissioners of said County, DO HEREBY CERTIFY that the above and foregoing is a true and correct copy of Resolution No R-361-82, adopted by the said Board of County Commissioners at its meeting held on March 16, 1982.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal on this 25th day of March, A. D. 1982.

RICHARD P. BRINKER, Ex-Officio Clerk
Board of County Commissioners
Dade County, Florida

By _____
Deputy Clerk

COUNTY COMMISSION SEAL DADE COUNTY FLORIDA

Board of County Commissioners
Dade County, Florida

Agenda Item No. 5(d)(7)
3-[illegible]-88

RESOLUTION NO. R-302-88

RESOLUTION RATIFYING EXECUTION BY AVIATION DIRECTOR OF LETTER OF UNDERSTANDING WITH CENTEL COMMUNICATIONS COMPANY RETROACTIVELY EXTENDING THE MIAMI INTERNATIONAL AIRPORT MASTER EQUIPMENT LEASE AND THE SERVICE AGREEMENT FOR AVIATION DEPARTMENT TELEPHONE SYSTEM ON MONTH-TO-MONTH BASIS, PENDING NEGOTIATIONS FOR AMENDMENTS THERETO OR NEW AGREEMENT(S) THEREFOR

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum and documents, copies of which are incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF DADE COUNTY, FLORIDA, that this Board hereby approves, confirms and ratifies the execution by the Aviation Director of a letter of understanding with Centel Communications Company extending the Miami International Airport Master Equipment Lease and the Service Agreement for the Aviation Department telephone system on a month-to-month basis, effective retroactively as of February 7, 1988, pending negotiations between the Aviation Department and Centel for amendments to the Equipment Lease and the Service Agreement, or for a new equipment lease agreement, as set forth in the attached memorandum from the County Manager; upon the preparation of appropriate amendments or new agreement as referred to in the memorandum encompassing the matters more particularly outlined in the Letter of Understanding, the same shall be returned to this Board for consideration.

The foregoing resolution was offered by Commissioner Beverly B. Phillips who moved its adoption. The motion was seconded by Commissioner Barbara M. Carey, and upon being put to a vote, the vote was as follows:

214 114

Final Exhibit No. 11

BST 18688

5

PSC 433

Barbara M. Carey	Aye
Clara Oesterle	Aye
Beverly B. Phillips	Aye
James F. Redford, Jr.	Aye
Harvey Ruvin	Aye
Barry D. Schreiber	Aye
Jorge E. Valdes	Aye
Sherman S. Winn	Absent
Stephen P. Clark	Aye

The Mayor thereupon declared the resolution duly passed and adopted this 15th day of March, 1988.

DADE COUNTY, FLORIDA, BY ITS
BOARD OF COUNTY COMMISSIONERS

RICHARD P. BRINKER, CLERK

By: RAYMOND REED
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency. AP

BST 18689

MEMORANDUM

Agenda Item No. 5(d)(7)

TO: Honorable Mayor and Members
Board of County Commissioners

DATE: March 15, 1988

SUBJECT: Ratifying Letter of Understanding, Centel Communications Company, Miami International Airport

FROM: Dewey W. Knight, Jr.
Interim County Manager

Dewey W Knight

RECOMMENDATION

It is recommended that the Board ratify the attached Letter of Understanding with Centel Communications Company ("Centel") which extends the two agreements with Centel, dated September 9, 1982, on a month to month basis, effective February 7, 1988, during the pendency of negotiations of amendments to the agreements covering the issues described in the letter.

BACKGROUND

Following a competitive proposal process, the Board, by Resolution No. R-361-82, dated March 16, 1982, awarded the right to provide the administrative and operational telephone system for the Aviation Department at Miami International Airport to Centel Communications Company.

Subsequently, pursuant to the authority of the cited resolution, two agreements, both dated September 9, 1982, were entered into with Centel. One was a "Master Equipment Lease" covering the system to be used by the Department, including the Airport Hotel, in connection with its administrative and operational functions. The second agreement, the "Service Agreement", provided for the arrangements to be applicable to Centel's provision of telephone service to other Airport tenants and users.

The commencement of the terms of both Agreements was tied to the cutover date of the Airport telephone system, February 7, 1984. The Equipment Lease had an initial term of 48 months, which carried it through February 6, 1988. It also provided for a possible extension of up to another 48 months, subject to execution of a mutually acceptable new lease agreement. The Service Agreement's term was for eight years, which would carry it through February 6, 1992.

A number of factors have, up to now, precluded the Aviation Department and Centel from entering into meaningful negotiations towards a new Lease Agreement. These include the fact that Centel was not authorized until July 1, 1987 (Fla. Public Serv. Comm. Order No. 17111) to begin to offer telephone service to other Airport tenants. Studies were needed to adequately review the financial and operational aspects of the various alternatives which were available, including re-bidding, purchase of some or all of the equipment and continuation with Centel under current or new terms.

Based on these factors, staff felt that while it would be best to continue with Centel, at least for a while, an interim month to month extension would be needed to allow sufficient time for reasoned negotiations, which is the purpose of the attached Letter of Understanding. However, the Letter of Understanding is on a retroactive basis, since discussions to reach agreement on its contents were more protracted than expected.

BST 18690

METROPOLITAN DADE COUNTY, FLORIDA

AVIATION DEPARTMENT
P.O. BOX 592075
MIAMI, FLORIDA 33159
(305) 871-7000

February 3, 1988

Mr. Byron Moore
South Florida Marketing Manager
Centel Communications Systems
6421 Congress Avenue
Suite 105
Boca Raton, FL 33431

Dear Mr. Moore:

Inasmuch as the Initial Term of the Master Equipment Lease Agreement between Centel Communications Company and Dade County is scheduled to end as of February 7, 1988 (the four year anniversary of cutover of the Airport System), it is necessary for the parties to agree to arrangements for either the extension or termination of said Master Equipment Lease Agreement.

Therefore, notwithstanding any provisions of either the Master Equipment Lease or the separate Service Agreement to the contrary, this letter constitutes the understanding of both the Aviation Department, subject to approval by the County, and Centel regarding amendments to both agreements generally as outlined herein. During the pendency of our negotiations, as long as both parties are satisfied that an agreement can be reached, the parties agree that the Master Equipment Lease Agreement shall be administratively extended on a month to month basis, subject to retroactive adjustment based on the terms of the negotiated amendments.

The following generally describes the objectives of the Department and Centel as to the terms of the desired amendments:

1. The Renewal Term of both Agreements, effective as of February 7, 1988, will need to be addressed. The Department feels that a reasonable termination clause, of say 6 months, would be in both our best interests.

2. The amendments would acknowledge the County's previous purchase of the Hotel System and would indicate that prior claims and disputes relative to such system and Service for the Hotel will be considered as settled and that neither party would have any further claim against the other regarding this matter.

3. Service and lease agreements between Airport tenants and Centel shall be automatically assigned to the County, or to

214 117

BST 18691

PSC 436

such other party as the Department shall designate, upon termination of the Master Equipment Lease and Service Agreement by either party.

4. The de-installation and subsequent reinstallation or relocation of equipment, pursuant to the Master Equipment Lease, shall not change its original installation date for purposes of calculating rentals payable to Centel or for any other purpose under the agreements. This part of this provision shall be effective retroactively to February 7, 1984. In this regard, the Department will be open to looking at other accountability alternatives such as semi-annual calculations or agreeing upon number of installed items.

5. The amendment to the Service Agreement would provide for an increase in percentage fees payable to the County, probably in the range of 35-50% on service; would establish service and performance standards for Service to others, giving consideration to the Florida PSC's standard; would require Department approval of pricing; and would provide for enhanced reporting requirements to the Department.

6. Negotiations for the Master Equipment Lease amendment will need to address title to the equipment in the Airport System after such equipment has been installed for extended periods, say eight years. Alternatives open for discussion would include reduced rentals or other pricing concessions.

7. Arrangements need to be made relative to both distribution system and station cable and conduit such that title to all in place plant, present and future, reverts to or is acquired by the County upon termination of either of the Agreements.

8. The amendment shall expand the coverage of the Agreements so as to enable their use in connection with other County airport system facilities.

9. Airport System Equipment installed after Cutover of the Airport System shall be treated for rental purposes in the same manner as Original Equipment.

10. Per your request, we agree that monthly rentals, labor rates and other charges shall also be open to discussion.

For so long as the parties are negotiating the amendments to the agreements, Centel acknowledges and agrees that the County has complied with the notice terms of the Master Equipment Lease and specifically Section 6(d) thereof, and that at the conclusion of such negotiations, if the parties have not come to an agreement as

BOOK 214 118

BST 18692

to terms, the option of the County to purchase the equipment under Section 7 or to continue leasing such equipment under Section 6 shall continue and be effective as to the County, and the County shall have thirty days from such conclusion of negotiations to exercise such option in accordance with the terms of said agreement.

Please have an appropriate officer of Centel countersign a copy of this indicating Centel's general acceptance of this understanding and acknowledgement of the terms of this agreement and the described negotiation goals.

Sincerely,

Richard H. Judy
Aviation Director

rhj/vea

cc: Bruce J. Boudreau
Ivan M. Carr
John van Wezel
Jim Mabors
Thomas P. Abbott

Note: Unless a different meaning is clear from the context, all capitalized terms contained in this letter are as defined in the Master Equipment Lease and Service Agreement respectively.

Accepted and acknowledged by Centel:

By W. D. Dalenport
Signature

W.D. DALENPORT
Print Name

Regional Vice President
Title

2-15-88
Date

BOOK 214 119

BST 18693

PSC 438

RESOLUTION NO. R-788-90

RESOLUTION APPROVING EQUIPMENT LEASE AND MAINTENANCE AGREEMENT AND SHARED AIRPORT TENANT SERVICE AGREEMENT WITH CENTEL COMMUNICATIONS COMPANY; AUTHORIZING COUNTY MANAGER TO EXECUTE SAME AND TO EXERCISE THE CANCELLATION AND RENEWAL PROVISIONS CONTAINED THEREIN

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum and documents, copies of which are incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF DADE COUNTY, FLORIDA, that this Board hereby approves the Equipment Lease and Maintenance Agreement and the Shared Airport Tenant Service Agreement between Metropolitan Dade County and Centel Communications Company, in substantially the form attached hereto and made a part hereof; and authorizes the County Manager to execute the same for and on behalf of the County and to exercise the cancellation and renewal provisions contained therein; the term of the Equipment Lease and Maintenance Agreement shall commence retroactively as of February 7, 1988 for an initial period of four (4) years, with County options to renew for five (5) separate one year periods; the term of the Shared Tenant Service Agreement shall commence retroactively as of February 7, 1988 for an initial period of four (4) years with County options to renew for five (5) separate one year terms; this Board finds it to be in the best interest of

EXHIBIT B

Final Exhibit
No. 12

PSC 439

the County to waive formal bid procedures in connection with the acquisition of the services, formal bidding being waived pursuant to Section 4.03(D) of the Home Rule Charter by two-thirds (2/3) vote of the Board members present, and by the written recommendation of the County Manager as provided by Administrative Order 3-2; this Board further waives the provisions of Resolution No. R-1586-72 relating to bidding requirements for acquisition of goods or services.

The foregoing resolution was offered by Commissioner Sherman S. Winn , who moved its adoption. The motion was seconded by Commissioner Larry Hawkins , and upon being put to a vote, the vote was as follows:

Barbara M. Carey	absent
Charles Dusseau	absent
Joseph M. Gersten	aye
Larry Hawkins	aye
Harvey Ruvin	aye
Barry D. Schreiber	absent
Jorge E. Valdes	aye
Sherman S. Winn	aye
Stephen P. Clark	aye

The Mayor thereupon declared the resolution duly passed and adopted this 24th day of July, 1990.

DADE COUNTY, FLORIDA BY ITS
BOARD OF COUNTY COMMISSIONERS

TONY COTARELO, CLERK

By: RAYMOND REED
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency. AP

107.07.17A METRO-DADE/OSA-MAT MOT

MEMORANDUM

Agenda Item No. 5(d)(17)

TO: Honorable Mayor and Members
Board of County Commissioners

DATE: July 24, 1990

FROM: Joaquin G. Avino, P.E., P.L.S.
County Manager

SUBJECT: Centel Agreements

RECOMMENDATION

It is recommended that the Board of County Commissioners approve the following two agreements with Centel Communications Company ("Centel"):

1. An Equipment Lease and Maintenance Agreement, by which the County through its Aviation Department will continue to lease the telephone equipment for its "Airport System," and by which Centel will provide all maintenance services for such Airport System and the separate Hotel System; and

2. A Shared Airport Tenant Service Agreement, by which Centel shall provide telephone service to airport tenants and users.

BACKGROUND

Both agreements are essentially continuations of the agreements authorized by the Board in Resolution R-361-82 dated March 16, 1982. In that Resolution, the Board awarded Contract DCAD 6-T-600 to Centel for the installation of a telecommunications system at Miami International Airport, and authorized the County Manager to execute agreements either purchasing or leasing the telecommunications system.

The documents were subsequently executed, and consisted of (a) a Master Equipment Lease Agreement by which the County was given a 4-year lease for the Airport System and Hotel System, with an option in County to purchase either system, and (b) a Service Agreement by which County authorized Centel for a period of 8 years from "acceptance" of the airport or hotel system (whichever was later), to use certain Aviation Department facilities so as to operate, maintain and repair the complex Airport and Hotel Systems and to provide "Shared Airport Tenant" telephone service to airport tenants and users. Because the "acceptance date" was

February 1984, the Service Agreement therefore commenced in February 1984 for an 8-year period terminating in February 1992.

On October 7, 1987, the County exercised its option in the Master Equipment Lease Agreement to purchase the Hotel System. The Aviation Department is operating it today with Centel providing maintenance and repair services for that system.

In February 1988, when the initial 4-year term of the Master Equipment Lease Agreement expired, the Board agreed in Resolution No. R-302-88 to extend the Master Equipment Lease and Service Agreements on a month-to-month basis, "pending negotiations betwen the Aviation Department and Centel for amendments to the Equipment Lease and Service Agreement, or for a new equipment lease agreement."

Negotiations are now complete, and the two agreements recommended for approval today include the negotiated terms. Highlights of the agreements include the following:

1. The Lease Agreement will extend for an initial period of 48 months from February 7, 1988 (not from June 1990), with County thereafter having the option of extending it for five (5) separate two (2) year terms;

2. The Shared Airport Tenant Service Agreement has a new term applicable to it, starting on February 7, 1988, for an initial four year term, with the same 5 two-year extension options; and

3. The County will receive increased percentage-of-gross payments from the telephone charges Centel is able to collect from airport tenants and users who sign up for Centel's Shared Airport Tenant Service.

Based on the benefits to be derived from these two agreements, it is recommended that they both be approved.

STATE OF FL A)
) SS:
COUNTY OF DADE)

I, TONY COTARELO, Clerk of the Circuit Court in and for Dade County, Florida, and Ex-Officio Clerk of the Board of County Commissioners of said County, DO HEREBY CERTIFY that the above and foregoing is a true and correct copy of Resolution No. R-788-90, adopted by the said Board of County Commissioners at its meeting held on July 24, 1990.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal on this 30th day of July, A.D. 1990.

TONY COTARELO, Ex-Officio Clerk
Board of County Commissioners
Dade County, Florida

By Linda L. Cane
Deputy Clerk

COUNTY COMMISSIONERS DADE COUNTY SEAL FLORIDA

Board of County Commissioners
Dade County, Florida

102 01-3 Rev 12/89 METRO-DADE/GSA-MAT MGT

Approved [signature] Mayor
Veto _____
Override _____

Agenda Item No. 6(A)(1)(D)
1-29-02

OFFICIAL FILE COPY
CLERK OF THE BOARD
OF COUNTY COMMISSIONERS
DADE COUNTY, FLORIDA

RESOLUTION NO. R-31-02

RESOLUTION RELATING TO TELECOMMUNICATIONS, DATA NETWORK, AND SHARED AIRPORT TENANT SERVICES AT MIAMI-DADE COUNTY AIRPORT SYSTEM FACILITIES; AUTHORIZING PURCHASE OF LEASED EQUIPMENT; AUTHORIZING APPROVAL AND EXECUTION OF NON-EXCLUSIVE MANAGEMENT AGREEMENT WITH NEXTIRAONE, LLC FOR INTERIM TWO-YEAR PERIOD; AND WAIVING COMPETITIVE BID PROCEDURES AND PROVISIONS

WHEREAS, Miami-Dade County, Florida (the "County") and Centel Communications Company ("Centel") entered into an Equipment Lease and Maintenance Agreement, as of July 24, 1990, and retroactive to February 7, 1988 (the "ELM Agreement") which ELM Agreement terminates on February 6, 2002; and

WHEREAS, the County and Centel also entered into a Shared Airport Tenant Service Agreement (the "SATS Agreement") which SATS Agreement terminates on February 6, 2002; and

WHEREAS, NextiraOne, LLC ("Nextira") is the successor or assignee of Centel's rights and obligations (via Williams Communications Solutions, LLC)[1] under both the ELM Agreement and the SATS Agreement; and

WHEREAS, it is in the best interest of the County to acquire title to all telecommunications, data network, and common use terminal equipment ("CUTE") infrastructure, software, licenses, permits, and other assets as detailed on Schedule A of the ELM Agreement and Schedule E of the SATS Agreement, as of February 6, 2002 (the "Assets"); and

1 In 1991, Centel Communications Company ("Centel") was acquired by WilTel Communications System ("WilTel"), and in 1997, Williams Communications Solutions, LLC was created from the merger of WilTel and Nortel Communications Systems.

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EXHIBIT E

Final Exhibit
No. 13

PSC 444

WHEREAS, an interim manager is necessary to operate, maintain, and manage the Assets, until a telecommunications and data network request for proposal ("RFP") is circulated and a new manager is selected; and

WHEREAS, Nextira, as the owner and operator of the Assets, has the personnel, technical and product knowledge, expertise, and market recognition to manage the Assets,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that the Board:

Section 1. Authorizes the payment of $6,450,000 to Nextira, for the purchase of the Assets, to be used and operated by or for the Miami-Dade County Aviation Department.

Section 2. Authorizes the approval and execution of a non-exclusive "Telecommunications, Data Network, and Shared Airport Tenant Services" management agreement (the "Agreement") with Nextira for an interim two (2) year period, and delegates to the County Manager the authority to negotiate all terms and conditions necessary to consummate the Agreement. The Agreement shall contain a random audit provision to be conducted by the Office of the Inspector General, pursuant to § 2-1076(c)(6), Code of Miami-Dade County Florida (the "Code"). The Agreement shall also contain a provision for the County to retain the services of an independent private sector Inspector General ("IPSIG"), pursuant to Administrative Order No. 3-20.

Section 3. Waives competitive bid provisions of Administrative Order Nos. 3-4 and 3-16 related to the procurement of professional services.

Section 4. Waives competitive bid provisions of Section 4.03(D) of the Home Rule Charter and the requirements of Administrative Order No. 3-2 in connection with the purchase by the County for (i) wiring, (ii) cabling, (iii) fiber optic cables and equipment, (iv) telecommunications

equipment, (v) telephone and data network equipment, (vi) software, and (vii) material and supplies, necessary to maintain, support, operate, and expand the telecommunications, data network, and shared airport tenant services at the County airport system facilities. Such waiver is by a two-thirds (⅔) vote of the Board members present.

The foregoing resolution was offered by Commissioner Dorrin D. Rolle, who moved its adoption. The motion was seconded by Commissioner Katy Sorenson and upon being put to a vote, the vote was as follows:

Dr. Miriam Alonso	absent	Bruno A. Barreiro	aye
Dr. Barbara Carey-Shuler	aye	Betty T. Ferguson	absent
Gwen Margolis	absent	Joe A. Martinez	aye
Jimmy L. Morales	aye	Dennis C. Moss	aye
Dorrin D. Rolle	aye	Natacha Seijas	aye
Katy Sorenson	aye	Rebeca Sosa	aye
	Javier D. Souto aye		

The Chairperson thereupon declared the resolution duly passed and adopted this 29th day of January, 2002. This resolution shall become effective ten (10) days after the date of its adoption unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK
By: KAY SULLIVAN
Deputy Clerk

Approved by County Attorney as to form and legal sufficiency.

dsh

David Stephen Hope

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NON-EXCLUSIVE TELECOMMUNICATIONS, DATA NETWORK, AND SHARED AIRPORT TENANT SERVICES MANAGEMENT AGREEMENT

made as of the _____ day of _____ in the year Two Thousand and Two.

Between the County: **Miami-Dade County Florida**, a political subdivision of the State of Florida, acting by and through its Board of County Commissioners, hereinafter called the "County", which shall include its officials, successors, legal representatives, and assigns.

AND THE CONTRACTOR: **NEXTIRAONE, LLC**
2800 Post Oak Boulevard
Suite 200
Houston, Texas 77056

Which term shall include its officers, partners, employees, successors, legal representatives and assigns.

Description of the Project: Provides for the operations, management, maintenance, service, support and equipment and supplies of certain telecommunications and data network, infrastructure, hardware and software systems for Miami-Dade Aviation Department as more specifically herein.

Dated 1/22/02

Agenda Item No. 6(A)(1)(D)

MEMORANDUM

TO:	Honorable Chairperson and Member Board of County Commissioners	**DATE:**	January 29, 2002
FROM:	Steve Shiver County Manager	**SUBJECT:**	Telecommunications Services at the Aviation Department

RECOMMENDATION

It is recommended that the Board of County Commissioners (the "Board") approve the attached resolution waiving the competitive bid requirements of Administrative Order No. 3-2 related to the procurement of commodities and services and approve in principle the non-exclusive "Telecommunications, Data Network, and Shared Airport Tenant Services" management agreement ("Agreement") between Miami-Dade County, (the "County") and NextiraOne, LLC[1] ("Nextira"), substantially in the form attached hereto, which provides for: 1) the acquisition of, in accordance with the principles delineated in the Agreement, title to all telecommunications network, data network, and common use terminal equipment ("CUTE") infrastructure, software, licenses, permits, and other assets as described in Schedule A to the Equipment Lease and Maintenance agreement ("ELM Agreement") and Schedule E to the Shared Airport Tenant Services agreement ("SATS Agreement"), as of February 6, 2002 for the acquisition price of $6,450,000 which will be amortized at five (5) percent over five (5) years; 2) resolution of various claims arising out of the ELM Agreement and SATS Agreement; 3) assignment to the County all existing tenant SATS and CUTE agreements entered into by Centel or its successors or assigns with tenants at Miami International Airport ("MIA") or the County's other owned or operated general aviation airports; and, 4) Nextira to become the interim telecommunications infrastructure manager, to provide for the design, installation, maintenance, repair, management, and operational support services for all voice and data network infrastructure for the Miami-Dade Aviation Department ("MDAD") and shared airport tenant services customers at MIA and the General Aviation Airports ("GAAs") until a new provider is selected, but for no longer than a period of twenty-four (24) months.

In addition, it is recommended that the Board approve the attached resolution authorizing the County to make direct purchases of the following equipment: (i) wiring, (ii) cabling, (iii) fiber optic cables and equipment, (iv) telecommunications equipment, (v) telephone and data network equipment, (vi) software, and (vii) material and supplies, necessary to maintain, support, operate, and expand the telecommunications, data network, and shared airport tenant services at the County airport systems facilities. Under this system the County will purchase directly, certain commodities as indicated by Nextira and be exempt from paying state sales taxes and mark-up

[1] NextiraOne, LLC is the successor or assignee of Centel's rights and obligations (via Williams Communications Solutions, LLC) under both the ELM Agreement and the SATS Agreement.

costs on these purchases. It is also recommended that the Board authorize, in accordance with Ordinance No. 99-63, the inclusion of a random audit provision, including the one quarter (1/4) of one percent assessment, in the Agreement. It is further recommended that the County Manager be authorized to execute the Agreement.

BACKGROUND

The County is currently under contract with Nextira. Nextira leases to the County, and manages, operates and maintains all the telecommunications infrastructure and services serving MIA and the GAAs at an approximate annual cost of $7,300,000. MDAD's agreement with Nextira expires on February 6, 2002.

NEGOTIATIONS

In July 2001, the Board approved Resolution No. R-852-01, approving a professional services agreement between the County and ResAvia. ResAvia is providing specialized technical and negotiation services to resolve the various claims arising out of the ELM Agreement and SATS Agreement entered into between the County and Nextira, and to negotiate a buy-out and new agreement with Nextira to allow MDAD an opportunity to finalize its long term voice and data telecommunications strategy.

INTERIM MANAGER FOR TELECOMMUNICATIONS INFRASTRUCTURE

MDAD is simultaneously working to develop a request for proposal ("RFP") to award a contract to a service provider to serve as the manager of the telecommunications infrastructure. Due to time constraints, the County will not be able to award this contract before February 6, 2002, when the Nextira contract expires. To assure the uninterrupted operation of the County airports, ResAvia, MDAD and the County Attorney's Office negotiated a proposed management agreement type contract (the "Agreement") with Nextira, to retain it as manager of the installed telecommunications infrastructure based upon County ownership of the equipment as further described below:

PROJECT LOCATION:	Miami International Airport and General Aviation Airports
PROJECT DESCRIPTION:	Provides for the operations, management, maintenance, service, support and equipment and supplies of the telecommunications and data, infrastructure, hardware and software systems for the MDAD and the shared airport tenant services customers at Miami International Airport and the General Aviation Airports. The scope of services includes the management of the shared airport tenant services for the County, including CUTE, to tenants and users at the Airport. In addition, Nextira will be

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required to implement a transition program, one hundred and twenty (120) days prior to the expiration of the term of this Agreement, to ensure that either the new vendor selected as a result of the RFP process or MDAD's operating and maintenance personnel are trained in all aspects of the telecommunications and data infrastructure.

FIRM: NextiraOne, LLC

LOCATION OF FIRM: Houston, Texas

TERM OF AGREEMENT: The Agreement shall be for a duration of twenty-four (24) months. The County may terminate the Agreement with or without cause on thirty (30) days written notice to Nextira, provided however, the Agreement shall have a minimum term of eighteen (18) months unless terminated earlier for cause.

AMOUNT OF AGREEMENT:

Compensation to the Contractor

One-Time Acquisition Price:

Acquisition of the telecommunications, data network, and CUTE infrastructure, software licenses, permits, and other assets in Schedule A to the ELM Agreement and Schedule E to the SATS Agreement of $6,450,000 which will be amortized at five (5) percent over five (5) years.

Fixed Management Fee:

This Agreement provides for a fixed management fee of $6,144,067 for the first year, which includes overhead and profit, staff transition costs, vendor agreements and spare parts carrying charge.

The compensation for the second year is based on this Management Fee as adjusted by the budgeting process that incorporates the requirements of the Capital Improvement Program (CIP) and the change in the Consumer Price Index (CPI) for the salaries of the personnel.

Variable Costs:

The Agreement also provides for the variable costs, when authorized by the Department, and includes: 1) the procurement of parts, materials and software ($2,680,000), 2) On-call after hour services ($273,000), and 3) subcontractor services for wiring installation and maintenance, as necessary ($899,415).

SATS Revenue:

Per the SATS Agreement, last year MDAD received $267,000 which was based on ten (10) percent of gross revenues. Under this new Agreement, MDAD will receive all SATS gross revenues which last year was $2,670,024. This revenue is expected to increase based on new marketing initiatives presently under development.

Compensation to the County

The Contractor will pay to the County the sum of $110,000, on February 6, 2002, on account of excess space occupied without lease by the Contractor in Building 3030 at MIA for the period from November 1, 1997 to and including February 6, 2002.

RECOMMENDED CONTRACT MEASURES:	No measure
USING AGENCY:	Miami-Dade Aviation Department
FUNDING SOURCE:	Miami-Dade Aviation Department Operating Budget for Consulting Services and Aviation Revenue Bonds.
APPROVED FOR LEGAL SUFFICIENCY:	Yes

CONTINGENCY PLAN

As reported to the Board at its December 18, 2001 meeting, in the event that the negotiations with Nextira fail and no agreement is reached by the contract expiration date, the Department has a contingency plan to assure continuity in the provision of telecommunication services.

SUMMARY

In summary, our preferred outcome is a negotiated buyout of the telecommunications equipment and infrastructure, retaining Nextira for a limited time to act as manager of the telecommunications infrastructure, and obtaining a long-term contract for telecommunications infrastructure management through a competitive request for proposal. In addition, the above recommendation begins the implementation of MDAD's long-term, cost-effective strategy to enable better management and control of our telecommunications infrastructure. In the alternative, MDAD has a plan to continue services without Nextira while procurement processes and legal remedies are undertaken.

Attachment

MEMORANDUM

Honorable Chairperson and Members
Board of County Commissioners

DATE: January 29, 2002

)M: Robert A. Ginsburg
County Attorney

SUBJECT: Agenda Item No. 6(A)(1)(D)

Please note any items checked.

_____ **"4-Day Rule" (Applicable if raised)**

_____ **6 weeks required between first reading and public hearing**

_____ **4 weeks notification to municipal officials required prior to public hearing**

_____ **Decreases revenues or increases expenditures without balancing budget**

_____ **Budget required**

_____ **Statement of fiscal impact required**

_____ **Statement of private business sector impact required**

_____ **Bid waiver requiring County Manager's written recommendation**

_____ **Ordinance creating a new board requires detailed County Manager's report for public hearing**

_____ **"Sunset" provision required**

_____ **Legislative findings necessary**

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EXHIBIT 7 – SATS AIRPORT RENTAL AND CUTE AGREEMENTS, SOFTWARE LICENSES, AND PERMITS

ATTACHMENT NO. 1 - MDAD SINGLE EXECUTION AFFIDAVITS AND CERTIFICATIONS

NON-EXCLUSIVE TELECOMMUNICATIONS, DATA NETWORK, AND SHARED AIRPORT TENANT SERVICES MANAGEMENT AGREEMENT

THIS MANAGEMENT AGREEMENT (the "Agreement") is made this _____ day of _____, 2002 by and between **MIAMI-DADE COUNTY** (the "County"), a political subdivision of the State of Florida, by and through its Board of County Commissioners (the "Board"), and **NEXTIRAONE, LLC** (the "Contractor") a Delaware limited liability corporation, authorized to do business in the State of Florida.

WHEREAS, the County and Centel Communications Company ("Centel") entered into an Equipment Lease and Maintenance Agreement, as of July 24, 1990, and retroactive to February 7, 1988 (the "ELM Agreement") which ELM Agreement terminates on February 6, 2002;

WHEREAS, the County and Centel also entered into a Shared Airport Tenant Service Agreement (the "SATS Agreement") which SATS Agreement terminates on February 6, 2002;

WHEREAS, NextiraOne, LLC is the successor or assignee of Centel's rights and obligations (via Williams Communications Solutions, LLC) under both the ELM Agreement and the SATS Agreement;

WHEREAS, negotiations were undertaken between the County and the Contractor (collectively, the "Parties") to: (i) resolve various claims arising out of the ELM Agreement and SATS Agreement, and (ii) negotiate the acquisition of the voice and data infrastructure and systems, hardware and software, and permits and licenses necessary to provide telecommunications and data network services, and shared airport tenant services at Miami International Airport ("MIA") and its other owned or operated general aviation airports from the Contractor;

WHEREAS, the County will acquire, in accordance with the principles delineated in this Agreement, title to all telecommunications, data, and common use terminal equipment ("CUTE") infrastructure, software, licenses, permits, and other assets as detailed or used in connection with the ELM Agreement or to provide services pursuant to the SATS Agreement as described on Schedule A to the ELM Agreement and Schedule E to the SATS Agreement, as of February 6, 2002;

WHEREAS, Contractor will assign to the County all existing tenant SATS and CUTE agreements entered into by Centel or its successors or assigns with tenants at MIA or its other owned or operated general aviation airports;

WHEREAS, it is the County's intention to issue a Request for Proposal ("RFP") for the Miami-Dade Aviation Department's ("MDAD") telecommunications requirements; and

WHEREAS, the Contractor has agreed to become the interim telecommunications

infrastructure manager, to provide for the design, installation, maintenance, repair, management, and operational support services for all voice and data network infrastructure for MDAD and the shared airport tenant services ("SATS") customers at MIA in order to assist the County until the new provider is selected.

NOW, THEREFORE, IN CONSIDERATION of the mutual terms, conditions, promises, covenants and payments hereinafter set forth, the COUNTY and CONTRACTOR hereby agree as follows:

INTRODUCTION

The Parties acknowledge and agree that the County will acquire from the Contractor title to all telecommunications, data, and CUTE infrastructure, software, licenses, permits, and other assets as detailed or used in connection with the ELM Agreement or to provide services pursuant to the SATS Agreement (each agreement as of February 6, 2002), as such assets are described on Schedule A of the ELM Agreement and Schedule E of the SATS Agreement and the Contractor will assign to the County all existing SATS and CUTE agreements entered into by Centel or its successors or assigns with tenants at MIA or other County owned or operated general aviation airports. All remaining disputes and claims, with the following exceptions, between the Parties have been satisfied upon execution of this Agreement and complete payment of all outstanding amounts and obligations. The Contractor agrees to provide reports of shared tenant services revenues due to the Department, audited by the independent certified public accounting firm approved by the Department and in the format required by the Department, for the contract years ended February 6, 2001 and 2002. The Contractor and the County also agree to remit to the other all amounts shown as due in those audited reports.

ARTICLE 1
DEFINITIONS

The following words expressions used in this Agreement shall be construed as follows, except when it is clear from the context that another meaning is intended:

1.1 **Acceptance Date:** Shall refer to February 6, 2002.

1.2 **Accept or Acceptance:** Is defined as complying in all material respects with manufacturer's published specifications.

1.3 **Airport:** Any of the airport property in Miami-Dade County, Florida, which the County owns and operates, which presently includes Miami International Airport ("MIA"), and the following general aviation airports ("GAA"): (i) Kendall Tamiami Airport; (ii) Homestead Airport; (iii) Opa-Locka Airport; (iv) Opa-Locka West Airport; and (v) Training and Transition Airport.

1.4 **Agreement:** This non-exclusive telecommunications, data network, and shared airport tenant services ,management agreement between the County and the Contractor, including all of its terms and conditions, attachments and exhibits, Amendments, and work orders issued by the County.

1.5 **Amendment:** A written, signed, and approved by the authorized party or his or her designee, modification to this Agreement, executed by the Contractor and the County covering changes, additions, or reductions in the terms of this Agreement.

1.6 **Board:** Board of County Commissioners of Miami-Dade County, Florida

1.7 **Business Day:** Monday through Friday, excluding Contractor's Holidays. The Contractor shall provide the County a list of such holidays annually.

1.8 **CAD Manager:** Shall mean the manager of MDAD Technical Support.

1.9 **Calling Services:** Shall mean the mechanical process of placing, timing, and pricing each long distance or otherwise chargeable telephone call placed with a carrier or other suitable means and for which the County charges a resale fee to the equipment user.

1.10 **Contractor:** The named entity on page 1 of this Agreement.

1.11 **Contractor Holidays:** The Contractor's calendar year 2002 holiday schedule - New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day after Thanksgiving, and Christmas Day. The Contractor Holidays are subject to change for calendar year 2003 at the sole discretion of the Contractor.

1.12 **Contractor Project Manager:** Shall refer to Contractor's assigned Project Manager to oversee all telecommunications aspects as is determined and defined within this Agreement. The Contractor shall from time to time provide written notice to the County designating the assigned Contractor Project Manager.

1.13 **County:** Miami-Dade County acting through the Department.

1.14 **County Manager:** County Manager of Miami-Dade County, Florida.

1.15 **Days:** Calendar days.

1.16 **Department:** Miami-Dade Aviation Department ("MDAD"), a department of Miami-Dade County, represented by and acting through the Director or his or her designee(s).

1.17 **Director:** The director of the Miami-Dade Aviation Department or authorized representative(s) designated in writing with respect to a specific matter(s) concerning the Services.

1.18 **Documentation:** Is defined as all records, procedures, schematics, diagrams, and manufacturer and Contractor manuals customized or created specifically for the County.

1.19 **Equipment:** Is defined as all telecommunications and data information systems products purchased from or serviced by the Contractor pursuant to this Agreement. Equipment shall also include hardware, Software, licenses, and permits.

1.20 **Equipment Charges:** Shall mean all charges including flat rate local telephone service, related to the rental, sale, or provided equipment serviced from the Airport's System to MIA tenants or users, other than MDAD.

1.21 **Existing System:** Shall have the meaning provided in Section 4.B(i) in Article 3.

1.22 **Gross Revenues:** Shall mean all moneys paid or payable to, or consideration of determinable value received by the County from Calling Services and/or Equipment Charges paid by tenants and users of SATS provided at the Airport, for transactions or telecommunications services provided or rendered in connection with such calling services and/or equipment, for connection to the public telecommunications network, regardless of when or where the order therefore is received, or the goods delivered, or services rendered, whether paid or unpaid, whether on a cash or credit basis, or in consideration of any other thing of value.

1.23 **MAC:** Is defined as move, add, change work performed by Contractor pursuant to proper authorization from the County.

1.24 **Maintain:** Preventive maintenance, repair or replacement, as deemed appropriate in Contractor's reasonable business judgment, of any installed equipment with the understanding that the Contractor will provide the labor and the County will supply the equipment.

1.25 **Manager:** The manager of MDAD Information Systems and Telecommunications Division. The County shall from time to time provide written notice to the Contractor designating the assigned Manager.

1.26 **Notice to Proceed:** A written notice to proceed issued by the Project Manager authorizing Contractor to proceed with the work described in this Agreement.

1.27 **Personal Property:** The property owned by Contractor and not included within the Equipment, including but not limited to office equipment, test equipment, and office furnishings.

1.28 **Project Manager:** The chief of the MDAD Telecommunications Section, or his or her designee. The primary responsibilities of the Project Manager are to coordinate and communicate with the Contractor and to manage and supervise execution and completion of the Scope of Services and the terms and conditions of this Agreement. All parties may rely on the instructions or determinations made by the Project Manager; provided, however, that such instructions and determinations do not change the Scope of Services or modify the terms and conditions of this Agreement. The County shall from time to time provide written notice to the Contractor designating the assigned Project Manager.

1.29 **Reimbursable Expenses:** Those expenses delineated in the Payments and Costs Reimbursable article, of this Agreement which are separately approved by the County that are incurred by the Contractor in fulfillment of this Agreement.

1.30 **Risk Management Division:** A division of Miami-Dade County, with offices in the Stephen P. Clark Center, 111 N.W. 1st Street, Miami, FL 33128.

1.31 **Services:** All services, work and actions by the Contractor performed pursuant to or undertaken under this Agreement.

1.32 **Shared Airport Tenant Service ("SATS"):** The provision of service which duplicates or competes with local service provided by an existing local exchange telecommunications company and is furnished through a common switching or billing arrangement to tenants by an entity other than an existing local exchange telecommunications company.

1.33 **Software:** Is defined as any set of one or more computer or telephone system programs which is composed of routines, subroutines, concepts, processes, algorithms, formulas, ideas, or know-how severally owned by or licensed by the County and/or any one of its suppliers, regardless of the particular delivery media in or on which such intangible assets may be embodied. Software shall also include any corrections, patches, updates, or revisions to Software originally provided.

1.34 **Sub-System:** The integrated systems, including voice mail, automated attendants, automatic call distributors, customized control routing, power supplies, remote access devices, battery back-up units, integrated voice response, uninterruptible power supplies, and any related and embedded Software reporting products so designated by the County.

1.35 **System:** The telecommunications system, which may include Equipment, switches, Sub-Systems, related Software, and peripheral equipment. As used in this Agreement, the terms System and switch have equal meaning.

1.36 **Tenant:** Shall mean any individual, company, or business located at any of the

MDAD Airports under lease with the County or MDAD or otherwise engaged in the activities of serving Airport users, passengers, or the movement of cargo.

1.37 **Unsatisfactory Work:** Work or performance that is defined as failing to comply in any material respect with the manufacturer's published specifications, or to the scope of work as defined by either MDAD or a SATS customer in its work order.

ARTICLE 2
ABBREVIATIONS

The following abbreviations when used in this Agreement shall be construed as follows, except when it is clear from the context that another meaning is intended:

ABBREVIATION	EXPLANATION OF ABBREVIATED TERM
AFF	Above Finished Floor
ASM	Airport Systems Manager
ATB	Automatic Ticket and Boarding Pass Printer
ATM	Asynchronous Transfer Mode
AWG	American Wire Gauge
Bellcore	Bell Communications Research
BHCA	Busy Hour Call Attempts
BICSI	Building Industry Consulting Service International
BGR	Boarding Gate Reader
BTP	Bag Tag Printer
CAD	Computer Aided Design
CIP	Capital Improvement Program
CCS	Centum Call Seconds

Check-In Counter	A "ticket counter" which is used for departure control but not ticket purchases. The only difference between a check-in counter and a ticket counter is the use (hardware complement shall be the same for both)
Customer	Shared Tenant Services user
CRC	Call Receipt Center. Available twenty-four (24) hours a day and seven (7) days a week, that users can access to report troubles associated with their voice, data and network services. Access to the Call Receipt Center can be by telephone, e-mail, or any other oral or written request.
CUTE	Common Use Terminal Equipment
DCS	Departure Control System
DOC	Document Printer
EIA	Electronics Industry Alliance
FIDS	Flight Information Display System
FDDI	Fiber Distributed Data Interface
Gate Counter	Counter used for passenger check-in located in the gate area, typically containing two workstations, one boarding pass printer, one bag tag printer, and one general purpose printer
GPS	Global Positioning Satellite
GUI	Graphical User Interface
HVAC	Heating, Ventilation and Air Conditioning
IACS	Integrated Airport Communications System
ICEA	Insulated Cable Engineers Association

IDF	Intermediate Distribution Frame
IMO	Information Management Outlet
IPE	Intelligent Peripheral Equipment (Nortel's term)
ISO	International Organization for Standardization
IVR	Interactive Voice Response
Jetway Podium	Podium used for boarding passengers located at the entrance to the Jetway. These podiums will have a workstation and a boarding pass reader
LAN	Local Area Network
LBS	Local Boarding System – Application which provides for passenger reconciliation via a boarding gate reader
MIA	Miami International Airport
MDF	Main Distribution Frame
MTBF	Mean Time Between Failure
NEC	National Electric Code
NIST	National Institute of Standards and Technology
OSHA	Occupational Safety and Health Act
OTDR	Optical Time Domain Reflectometer
MUFIDS	Multi-User Flight Information Display System
PBX, PABX	Private Automatic Branch eXchange, (Telephone Switch)
PDS	Premises Distribution System
PNL	Passenger Name List

POS	Point of Sales
QBE	Query By Example
REA	Rural Electrification Administration
SNMP	Simple Network Management Protocol
SATS	Shared Airport Tenant Service.
TAMS	Total Airport Management System
Tenant	Shared Tenant Service Customer
TDR	Time Domain Reflectometer
TIA	Telecommunications Industry Association
Ticket Counter	Counter used for departure control and ticket purchases. Typically, has two workstations, one boarding pass printer, and one bag tag printer
TP - PMD	Official name for CDDI ("Copper Distributed Data Interface")
UPS	Uninterruptible Power Supply
WS	Workstation

ARTICLE 3
NON-EXCLUSIVE AGREEMENT

Notwithstanding any other provision of this non-exclusive Agreement, the County is not precluded from retaining or utilizing any other contractor or its own staff to perform any services within the contract limits defined in the Agreement. The County may elect to competitively bid and contract any infrastructure or system additions and changes, including, but not limited to 1) outside plant extensions, 2) major changes in network architecture, 3) inside plant work associated with new facilities, and 4) other telecommunications infrastructure changes. The Contractor shall have no claim against the County as a result of the County electing to retain or utilize such other contractor(s) to perform any such services, provided that the County shall instruct all other contractor(s) that they must not act in a way which would disrupt or interfere with Contractor's performance of its duties, and take all other reasonably possible steps to avoid any such disruption or interference.

ARTICLE 4
SCOPE OF SERVICES

1. General Requirements and Services to be Provided

The Contractor shall provide for the design, installation, maintenance, repair, management and operational support services for all voice and data network infrastructure for MDAD and the SATS customers at the Airport. The scope of services includes the provisioning of voice and data network services and maintenance of existing and future voice and data network infrastructure equipment and facilities, at the Airport, and the management of SATS for the County, including CUTE, to Tenants and users at the Airport. The Parties agree that this scope of services describes the Contractor's obligations and responsibilities, and is deemed to include labor, materials, equipment, and tasks as and to the extent set forth in this Agreement.

The Contractor will be required to provide the following (the "Scope of Services"):

A. Manage the existing voice, data, CUTE and network infrastructure, and maintain records as required by MDAD, including but not limited to, equipment and cable plant, record keeping of work order activity, equipment inventory, telephone number inventory, number dialing plan, key sheets, and cable management to the IDF level for existing structure installed prior to February 7, 2002 and to the jack level for installations completed after February 6, 2002.

B. Manage the turn-key installation of new voice, data and network services such as user training on equipment provided, project scheduling, appropriate billing to MDAD, billing user customers for services, and also for the specified Equipment, including when specifically requested by appropriate work order, needs assessment, system design, procurement of equipment and parts, Documentation, record keeping and inventory, and any other functions related to the provisioning of the

services.

C Execute work orders and the work associated with these work orders for new services or routine installations, and for moves, adds and changes from MDAD.

D. Upon receipt of an appropriate work order, provide to MDAD proposals at MDAD requested level of detail outlining cost to MDAD and schedules for larger installations where additional equipment or cable infrastructure is required. Coordinate with MDAD assigned Project Manager for the implementation of the services required.

E. Resolve all troubles and outages involving Services in a timely manner, following the priorities established in this Agreement, to minimize disruption, reduced performance level, and interruption of Services.

F. Operate and manage a CRC, available twenty-four (24) hours a day and seven (7) days a week, that users can access to report troubles associated with their voice, data and network services. Access to the CRC can be by telephone, e-mail, or any other oral or written request.

G. Perform industry standard and/or vendor recommended preventive maintenance on all voice, data and network Equipment and Systems in an effort to prevent malfunctions.

H. Perform periodic traffic studies to properly size trunking facilities, data network utilization for the backbone and individual segments, and provide written reports to MDAD.

I. The County and the Contractor shall jointly work on a plan for disaster recovery and develop contingency plans for major outages, utilizing the Contractor's off-premise resources as required to mitigate the problem.

J. Conduct periodic meetings or as required by MDAD to inform the Department on service issues, and the status of pending work on projects.

K. The Contractor shall not provide communications services to other entities using the MDAD telecommunications infrastructure without the written consent of MDAD. During their respective work hours, Contractor's on-site employees shall only engage in activities on behalf of MDAD and the SATS customers of the Department as provided in this Agreement.

2. Existing Telecommunications Infrastructure

A. Voice Equipment and Services

The scope of work for the voice service includes the existing voice services currently provided at the Airport as detailed or used in connection with the ELM Agreement or to provide services pursuant to the SATS Agreement as described on Schedule A to the ELM Agreement and Schedule E to the SATS Agreement, as of February 6, 2002. This consists of: (i) two (2) Nortel 81Cs, (located in Building 3030 C wing, and in the Concourse E switch room E2386 (collectively, the "Core Rooms")); (ii) the telephone equipment (Option 11s and the Norstars) located around MIA; and (iii) the telephone equipment (Option 11s and the Norstars) located at the Opa Locka, Kendall-Tamiami, Homestead general aviation facilities (reflected in the current Voice Topology Drawing), and the Homestead Air Reserve Base.[1]

The number of ports in use are currently:

- Meridian PBX, Option 81 located in the Terminal Building: 2,990 ports in use
- Meridian PBX, Option 81 located in Building 3030: 908 ports in use
- Eight (8) Intelligent Peripheral Equipment (IPE) systems located in 8 different locations:
  - Served from terminal PBX: 1,760
  - Served for Building 3030 PBX: 1,404

  Total 7,062 ports in use

B. Data Network

The scope of work for the data network includes the existing data network currently provided at the Airport, interface with the new security network, all CUTE equipment, and the associated CUTE network.

The existing data network at the Airport (reflected in the current Network and CUTE Topology Drawing) consists of a fiber optic ring interconnecting eight (8) Centillion 100 switches. These hubs are located in equipment rooms located in Building 3030, Building 5A, Building 100, the Cargo Clearance Center ("CCC"), the Satellite Building, the Landside Administrative Offices on the Ground Floor of the Dolphin Garage, the Concourse C computer room, and the fourth floor Terminal equipment room. The network includes eighteen (18) Nortel 5000NT boxes, six (6) Nortel 5000BH boxes and twenty-one (21) 450 switches. The network also consists of two (2) Nortel BCN ATM routers located in Building 3030 and the Concourse C computer room. This network will be eventually interconnected with the new security network ("New Security Network") and the CUTE network, effectively

[1] See attached Exhibit 1 for the CD Building 3030 source book and the CD Main Terminal source book.

producing one logical network.

The installed network conforms to IEEE 802.3 and IEEE 802.5 standards for switching. The installed switches are capable of concurrent switching of all protocols specified in this Agreement, and support dual mode FDDI, Token Ring (IEEE 802.5, 4 and 16 Mbps), AUI Ethernet (IEEE 802.3, 10BaseTX and 100BaseTX), and Asynchronous Transfer Mode ("ATM") media connections.

i. The Local Area Networks conforms to the following standards:

a) IEEE 802.3 10BaseT, 100BaseT
b) IEEE 802.5 16 Mbps Token Ring
c) ANSI X3T9.5 FDDI
d) ATM Standard

ii. The installed network has the capability to interface with and will conform to the following networking protocol standards:

a) TCP/IP (RFC 793 / RFC 791)
b) OSI (ISO)
c) IPX/SPX (to be phased out with Novel IP)
d) ATM

The installed network conforms to IEEE 802.3 and IEEE 802.5 standards for transparent routing. The installed routers are capable of routing all protocols specified in this document, and support dual mode FDDI, Token Ring (IEEE 802.5, 4 and 16 Mbps), AUI Ethernet (IEEE 802.3, 10BaseTX and 100BaseTX), and ATM media connections.

C. **Cute Network**

The CUTE network consists of 175-200 CUTE terminals and network, the airline terminal emulators, an interconnecting network and wide area network links to airline reservation system host computers, includes preventive maintenance on CUTE printers.

3. Future Plans[2]

Exhibit 2 identifies all Equipment at locations to be maintained and Services to be provided under this Agreement, if and when the future expansions and projects described therein are implemented and ready to receive the services. Based upon County requirements, new Equipment or locations may be added. As new Equipment items or locations are added to the MDAD telecommunications infrastructure, the items will automatically become

[2] It is not expected that these services will be implemented during the term of this Agreement.

a part of this Agreement upon written mutual agreement of both the County's Project Manager and the Contractor.

Future planned expansions or projects at this time that may impact the services requested are:

A. The Premises Distribution System ("PDS").

This is a planned cabling/distribution system that runs throughout the Airport. The PDS will provide a new cabling infrastructure, required for all telecommunications systems to effectively communicate. It will also provide the physical connections for access to existing legacy systems, the wide area network, and the Internet. The PDS will consist of single-mode and multi-mode fiber optic cabling; copper cabling (enhanced Category 5 UTP) and possibly infrared, wireless or other distribution materials/media such as, color spectrum fiber optic switches. The PDS will utilize Information Management Outlets ("IMOs"), which consist of two (2) voice and two (2) data jacks (all RJ-45 modular jacks). In addition, the PDS will be designed to accommodate the Department's anticipated future growth requirements. The scope of work includes the management of the proposed PDS and the associated cable management system. The scope of work includes the data entry of "as built", or other drawings or documentation information into the cable management system as on-going work identifies the information.

Note: Some cable conduit and cable trays required to install the PDS cabling will be installed and will be utilized wherever possible. Certain applications will arise where the Contractor will be required to install new raceways and cables. All new work shall require prior approval from MDAD.

B. Network Management System

The scope of work will include the management of the data network utilizing a standard Network System Manager ("NSM"). The existing NSM is hosted on a SUN Microsystems workstation using HP's OpenView software. The NSM monitors all network components using standard SNMP applications. An audit trail of system operations and configuration changes shall be maintained by the Contractor using the NSM. The Contractor may be required to provide the following network management functions using the NSM applications:

i) Fault management.
ii) Configuration management.
iii) Performance monitoring management.
iv) Accounting management.
v) Security management.

All network components shall be SNMP manageable and conform to RFC 1157. Online system health monitoring shall be provided for verifying the health status of major network components and to support software and hardware maintenance activities.

C. Security Network

MIA will be implementing a new security network system ("NSNS"). The NSNS is composed of a high speed fiber optic based ATM network, fifteen (15) (expanding to 22) equipment rooms, CCTV and Intercom switching equipment, and CCTV and Intercom recording equipment. The rooms will be linked via a new security network. In the future this network will be expanded to accommodate interface with the future PDS. The PDS will provide CAT5e cabling from the network hubs located in these rooms to all devices requiring an IP address and network connection. The Contractor shall take over the management, maintenance, and operations responsibility, unless directed otherwise by MDAD, once the three (3) year management and operation contract with the NSNS Manager is over.

The main backbone of the New Security Network system will be comprised of multiple fiber optic loops, which will create multiple distinct data areas in the Main Terminal area. A main loop will run through the main Terminal through the equipment rooms. The main loop will have a four (4) room ATM configuration (rooms C4121, B3017, A3129, and H1472) with an OC-48 data rate. The ATM shelves in the four (4) equipment rooms will connect to switches at an OC-12 (ATM) data rate. The switches in the remaining eleven (11) equipment rooms (H3730, G1107, G1764, F1540, F1770, E1502, E1803, S1558, D3917, A3820, and A3105) will be capable of connecting to multiple network protocols (i.e., FDDI, ATM, and Ethernet). Two (2) separate backbone loops (a primary OC-12 backbone and a secondary OC-12 backbone) will connect the eleven (11) rooms to the four (4) OC-48 equipment rooms via separate diverse routes.

D. Wireless Network

In conjunction with the PDS, wireless antennas located approximately three hundred (300) feet apart will be located throughout the Terminal at MIA. This system will improve the use of cellular phones throughout the terminal areas. The new technology plans of tenant airlines are envisioning more wireless customer service devices similar to what rental car companies use today when checking in cars. The CIP may require wireless CUTE and FIDS to be movable for changing locations under construction. Airlines are anticipating that their customer base will increase the use of wireless Internet devices for telecommuting while in airports and on airplanes. All of this points to the need to put in a system in the terminal that will handle the wireless traffic and place MDAD in the position of controlling this part of the telecommunications infrastructure. The Contractor will have to interface with the Wireless System provider to provide network services via the PDS and interfaces with the network backbone and other service providers.

E. The scope of work may also include the management of approximately four

thousand (4000) new stations (to be installed in a new or existing equipment room) if American Airlines becomes a SATS customer.

4. Description of Services to be Provided

The services to be provided by the Contractor may include, but may not be limited to the following:

A. Move, Add and Change Service ("MAC")

i) Move, Add and Change Services will include, but shall not be limited to:

a. Install and program new telephone station equipment.
b. Disconnect old service and update records accordingly.
c. Install new station cabling and outlets for voice, data, video and wireless services.
d. Relocate existing services in response to MDAD/Tenant work orders.
e. Manage work order and invoicing process.
f. Remove and/or disconnect unused cabling and outlets.
g. Submit updated information for the MDAD Cable Management System or PDS database.

ii) Order Taking and Records

The Contractor will be responsible for receiving work orders from MDAD Telecommunications staff to coordinate and perform MAC services. Contractor's technicians are not authorized to perform MAC work unless these work orders have been properly submitted to Contractor. Depending on the size of the request, Contractor personnel may be required to perform surveys in order to facilitate the requested work. The Contractor is solely responsible for scheduling all work directly with the MDAD or SATS customer under the direction of MDAD Telecommunications who may periodically escalate various work orders or priorities associated with different requests. The Contractor shall also coordinate access issues directly with the MDAD or SATS customer. The Contractor shall assign personnel with project management skills to large scale MAC projects and/or larger tenants to facilitate the timely completion of the Contractor's portion of the work.

iii) Installation Time Intervals

Routine additions, deletions and relocations (also known as moves, adds, and changes) shall meet the following standards depending on their number, assuming that conduit, power, and other required facilities are existing at the time of the work order. Non-reimbursable MAC coverage shall be provided between 8:00 A.M. and 5:00 P.M., Monday through Friday, excluding

Contractor Holidays.

No. of MACs	Response Time
1 to 5	one (1) business day from receipt of work order
6 to 10	four (4) business days from the date of the work order
11 to 50	seven (7) business days from the date of the work order
Over 50	individual case basis to be mutually negotiated.

At a minimum, the Contractor is expected to keep staffing levels and technicians on hand to meet the above completion requirements. The Contractor is responsible for directly coordinating with the customer and/or local service provider until the MAC is complete.

iv) Priority Changes

Priority moves, adds and changes are those that are designated a "Priority" by MDAD in accordance with the Prioritizing of Work subarticle of this Agreement. Priority work must have written justification and be approved by the Project Manager. Priority work orders will supersede other work orders and will be worked on and completed as soon as possible by the Contractor. The due date for routine work orders will be adjusted for delays caused by priority work orders. For all conflicts of schedule, MDAD will be the final authority on the final timing and have responsibility for the resulting impact on other work and Equipment. Contractor shall notify MDAD of known potential impacts of priority changes.

B. **Maintenance and Trouble Resolutions**

i) Existing Network Infrastructure

The Contractor shall provide a complete operation and maintenance plan for all elements of the MDAD telecommunications network. This work shall include all components of inside plant, outside plant, active and passive electronic equipment, and ancillary equipment that is part of the telecommunications infrastructure currently serviced by Contractor and any additional Equipment added as provided hereinafter. Contractor shall also provide maintenance for all Systems and Sub-Systems in place as of February 6, 2002 (the "Existing System"), as well as any and all additional Systems, Sub-Systems, Equipment, or switches or products added in the future, when requested by the County. As to additional Systems, Sub-Systems and other Equipment that are added, maintenance for these items shall be under this Agreement upon the acceptance by County of the relevant System, Sub-System or additional Equipment and shall be compensated for in accordance with the Payments and Cost Reimbursements article of this Agreement.

ii) Levels of Performance

The Contractor for the telecommunications infrastructure operations and maintenance shall guarantee specific levels of performance and availability for each segment of the network. The Contractor is not responsible for degradation of performance due to the actions of a third party vendor not under the control of the Contractor, or due to the County's reduction in Contractor's staff. These segments and their required level of availability are as follows:

a.	Voice Circuits	99.98%
b.	Data Circuits (Point-to-Point)	99.98%
c.	LAN Circuits	99.98%

Availability shall be calculated on a monthly basis. Availability shall be calculated based on the following formula:

$$\textbf{Availability} = \frac{\text{Available Time} - \text{Downtime}}{\text{Available Time}} \times 100$$

where:

Available Time: The number of circuits of a given type multiplied by the number of hours in the month.

Downtime: The sum in hours of all circuit outages or performance degradation commencing when the trouble is reported and ending when the

trouble ticket is completed and closed out. For aggregate services such as T1 circuits downtime shall be the sum of the outage duration times the number of active channels (24) contained in the aggregate circuit. LAN downtime shall be the outage duration times the number of ports, which are reported as out of service or suffering from degraded operation.

iii) Preventive Maintenance

The Contractor shall perform all the preventive maintenance as specified by the equipment manufacturers. A quarterly report shall be submitted to MDAD detailing the preventive maintenance performed in the previous quarter and specifying the preventive maintenance planned for the upcoming quarter.

Preventive maintenance shall include, but is not limited to:

a. Visually inspect batteries condition and voltages.
b. Check power supplies voltages.
c. Routine replacement of lamps, indicators, protectors, and other components which may fail through normal use.
d. Perform annual trunk traffic studies and implement corrective action if required.
e. Perform annual voice mail port utilization study and configuration.
f. Inspect cabinets.
g. Periodic cleaning of filters.
h. Perform database dumps and reviews quarterly and perform corrective procedures if needed.

iv) Preventive Maintenance Plan

The Contractor shall develop a comprehensive routine and preventive maintenance plan, which includes each of the following elements:

a. Each element of voice or network systems equipment, shall be monitored for performance on a continuous basis. In addition to reporting of failed equipment, thresholds shall be established to report traffic problems or abnormal latency. Statistics will also be required for management reports that outline system capacities and utilization levels.

b. Regular periodic performance testing shall be provided for each element of active electronic equipment, which is not continuously monitored. This periodic testing shall be performed in accordance with manufacturer's published preventive maintenance procedures. Where no published preventive maintenance plan exists, measures, which are acceptable to MDAD Telecommunications, shall be implemented. The Contractor shall make special provisions for whether

self-performed or via subcontract) to clean optical fiber connectors, battery cable terminations and other connections, which require periodic cleaning to avoid performance degradation.

Note: Each telecommunications equipment room shall be provided with periodic cleaning to ensure an environment, which is suitable for the equipment. This cleaning (whether self-performed or via subcontract) shall ensure a dust free environment, removal of debris and cleaning of equipment, cabling and terminations for the two (2) Core Rooms.

c. The preventive maintenance plan shall include routine replacement of lamps, indicators, protectors, batteries, DC power plant equipment, 48VDC powered inverters and other components, which may fail through normal use. The preventive maintenance plan shall not include requirements for replacement of equipment room lighting components, air conditioning filters, ceiling tiles and other components, which are part of the building and are not related to the network itself. The preventive maintenance plan shall require that these latter items be reported to MDAD Facilities Maintenance if found to be defective or in need of repair. The preventive maintenance plan shall include operation and maintenance of DC plant in IDF rooms that support switching equipment.

d. The operations and maintenance plan shall include provisions for non-scheduled maintenance and repair of equipment that may fail or degrade during normal operation.

v) Problem Reporting and Escalation

The Contractor will be responsible for maintaining coverage in accordance with this article in the Agreement, of the CRC for MDAD or SATS customers at the Airport, in order to coordinate repair services. The Contractor shall issue service tickets in order to track repair requests, contact the assigned personnel, and respond to perform such repairs for major or minor failures in accordance within the time frames in the Response and Repair Time Requirements article of this Agreement. The dispatched personnel will be responsible for having the appropriate repair stock equipment and also for properly returning the equipment for repairs or replacements. The dispatched personnel will be responsible for keeping the CRC informed of problems, and reporting to MDAD a real-time status of repair progress. After hour calls will be routed to a twenty-four (24) hour customer service center or local contact to coordinate repair efforts.

The Contractor's dispatched personnel will coordinate with MDAD, local service provider, or SATS customer as required and MDAD will make the determination as to the type and quantity of resources required to correct the

problem, if necessary.

Should a major outage be related to the local operating company's network, the Contractor's personnel will act as the County's agent to open a repair ticket with the local exchange company and work on behalf of the County, as commercially reasonable and necessary, to troubleshoot the problem until the major outage is corrected. The Contractor shall also coordinate access issues directly with the user. The County requires the Contractor to propose spare parts levels for the various systems in order that the repairs can be made in a timely fashion based on the classification of the repair as described in the Types of Failures subarticle of this Agreement.

In case of emergency during after hours, Contractor shall proceed to attempt to repair while continuing an attempt to contact MDAD per the escalation notification list to be provided by the Contractor.

vi) Agreements with Vendors

The Contractor shall maintain maintenance and technical support agreements with vendors associated with the telecommunications systems. The Contractor shall be responsible and pay for all maintenance contracts and support contracts necessary to perform the services outlined in this Agreement (collectively, the "Agreements with Vendors"). The County shall compensate the Contractor in accordance with the Payments and Cost Reimbursement article of this Agreement. The Contractor is solely responsible for hands-on management of the systems. These third party agreements shall include at a minimum, when available from the third party and requested by MDAD:

a. Post-warranty service agreements;
b. advanced replacement agreements;
c. software and hardware revision/update provisions; and
d. technical support agreements that allow the Contractor to speak directly to engineer/technical support as required.

In the event of an emergency, MDAD reserves the right to take a hands-on approach to fix the problem if the Contractor's personnel are not available. A strict configuration and change management process will be adhered to, which documents all changes to the respective network. The Contractor shall submit a configuration and change management procedural plan on a yearly basis for review and approval by MDAD.

vii) Types of Failures

Troubles reported to the Contractor's CRC by the users will fall into two (2) categories: a) Major Failures, and b) Minor Failures.

a. **Major Failures** are those that severely impact the operation of the Airport or severely impede the ability for a Tenant to conduct business at the Airport and shall be defined as an occurrence of any of the following:

1. A failure of the telephone switch, its common equipment or power supplies which renders it or them incapable of performing normal functions for five percent (5%) or more of the stations or trunks.

2. A failure of over five percent (5%) of the trunks or station lines to function.

3. A failure of network components that will render over five percent (5%) of work stations inoperable.

4. An indication of a major alarm condition as defined by the manufacturer in any of the switching or power equipment.

5. Any failure of an individual station identified in Exhibit 3 furnished to Contractor's Project Manager, who has signed a receipt therefor, that impacts the operation of the Airport.

b. **Minor Failures** are any other failures including a failure of any ancillary equipment such as intercom circuits, paging input arrangement, or any other telecommunications equipment or component.

viii) Response and Repair Time Requirements

Based on Trouble classification, the Contractor will respond in the following manner:

a. **Major Failure**- Immediate response during business hours (Monday-Friday, 7 A.M. – 11 P.M., Eastern Time) and within two (2) hours for off hours (Monday-Friday, 11 P.M – 7 A.M., Eastern Time; and twenty-four (24) hours a day Saturday, Sunday, and holidays).

Contractor must immediately begin remedial maintenance for a major malfunction, which may consist of remote diagnostics during the first fifteen (15) to thirty (30) minutes, after repair notification time by the County to the Contractor, via the Contractor's tracking processes with the appropriate service ticket number, however, if not corrected, the Contractor's personnel must be on-site no less than forty-five (45) minutes during business hours and no less than two (2) hours during off hours from the repair notification time documented by the County. Any service between 11 P.M. – 7:00 A.M.

on weekends and Contractor Holidays will be compensated on a per call basis as described in the compensation article. Contractor shall start immediately and work continuously until the problem is resolved. Contractor will abide with the Problem Reporting and Escalation article of this Agreement, in order to resolve a major outage. Contractor shall make all commercially reasonable efforts to complete repairs within eight (8) hours from the time the County reported the incident and is documented via the Contractor's tracking processes with the appropriate service ticket number. Contractor is responsible for providing the Project Manager with a revised escalation procedure to include all appropriate levels of management with their associated contact numbers at the time this Agreement is executed, and immediately thereafter whenever a change occurs. In the event the Contractor should fail to respond in accordance with the time frames stated herein, the County shall be entitled to liquidated damages in accordance with the Performance and Liquidated Damages article of this Agreement.

b. Minor Failure - Response within eight (8) business hours.

Contractor will begin any repair not defined as a major failure as expeditiously as possible, and shall make all commercially reasonable efforts to complete repairs within one (1) business day from the time the County reported the incident and is documented via the Contractor's tracking processes with the appropriate service ticket number. Repairs may be made by a certified technical personnel either through a premise visit or via electronic access through the use of a remote maintenance terminal. However, in all cases, the repair must be confirmed and the status updated by the next business day by notification to the CRC. Contractor shall respond to minor service interruptions within eight (8) business hours and follow an escalation procedure in accordance with the Problem Reporting and Escalation subarticle of this Agreement. In the event the Contractor should fail to respond in accordance with the time frames stated herein, the County shall be entitled to liquidated damages in accordance with the Performance and Liquidated Damages article of this Agreement.

c. **After Hours Coverage, Emergency Service, and Contractor's Required Response Specifications:**

Service for a major failure shall be available twenty-four (24) hours a day, seven (7) days a week, and 365 days per year. In the event the Contractor does not commence repairs for a major failure within two (2) hours after notification, the County shall have the right, at any time thereafter, to notify the Contractor of such nonperformance, and if emergency repairs shall not have commenced within two (2) hours from the time the Contractor's technical personnel arrives on site, then the County shall have the right to call in any qualified and certified service organization to perform the necessary repairs.

"Respond" is equated to having technical support and/or troubleshooting the problem within aforementioned times. Note that during the troubleshooting process, the Contractor is coordinating directly with the user and/or the local service provider until the problem is resolved.

ix) System Availability Reporting

The Contractor shall provide a monthly circuit availability report to MDAD Telecommunications which states the required level of availability for each of the classes of circuits listed in the Levels of Performance subarticle of this Agreement. This report shall include the actual level of availability for each class of circuit, based upon the calculation method listed in Levels of Performance subarticle of this Agreement. The difference between the required level of availability and actual availability for each class of circuit shall be identified in the report.

x) Equipment/Facilities Covered

Equipment covered under this section include the following components:

a. PBX switches.
b. Electronic key systems.
c. Any other voice systems.
d. Ethernet.
e. ATM.
f. All network components maintained by Contractor.
g. All inside and outside plant to include both copper and fiber optic cabling.
h. Special systems such as IVR's.
i. Future wireless systems.

xi) Specification Compliance

If repair requirements arise on existing cable plant that is not installed according to manufacturer or industry specifications, the Contractor is required to provide notice and an estimate to the County to bring such infractions to specification while accomplishing the repair.

The Contractor is liable for circuit continuity, from the local service provider demarcation point to the station jack. In many instances, the Tenant has a Key Service Unit ("KSU") or other devices in the middle of this cable path and the existing cable records may or may not have records showing these outlets. Under these circumstances, the Contractor is expected to document any non-specification issues, provide notice to MDAD and jointly work with MDAD and/or the Tenant to upgrade this infrastructure to County

specification and document said upgrade in the cable records. The Tenant will incur the expense of bringing such facilities up to County specification.

xii) Coverage

The provider shall have adequate resources to provide the following: 1) On-site manned call receipt function 7:00 A.M. – 6:00 P.M. Monday through Friday, except Contractor Holidays; 2) Remote call receipt function 6:00 P.M. – 7:00 A.M. weekdays, and 24 hours on weekends and Contractor Holidays; 3) Technical staff on-site 7:00 A.M. – 11:00 P.M. Monday through Friday. The Contractor shall have "on call" trained personnel to cover all of the systems as specified in the Response and Repair Time Requirements of this article. The Contractor shall provide MDAD with a general description of its daily staffing requirements which will apply over the term of this Agreement, which shall be approved by MDAD. Any material changes to those requirements shall be subject to the approval of MDAD as provided herein.

xiii) Prioritizing of Work

The Contractor's technical personnel will be dispatched on jobs in a "first in-first out" fashion as long as the user deadline can be met. MDAD will review and authorize all work orders and reserves the right to prioritize various activities that the Contractor undertakes in order to meet deadlines. MAC activity will take a lower priority to repair activities pending the circumstances surrounding the given situation. The County reserves the right to mandate that the Contractor reallocate resources between 8:00 a.m. and 5:00 p.m., Monday through Friday (excluding Contractor Holidays), on a daily basis to deal with the various repair or MAC requests. The Manager or Project Manager has the authority to instruct and/or authorize work. In situations where emergency intervention is required, the County reserves the right to change configuration settings in systems, as coordinated with the Contractor.

xiv) Equipment Failure

If any Equipment malfunction is determined by the Contractor to be the fault of any other company, the County will so notify said company and request appropriate repairs and alterations. The County, Contractor, and the other company, if pertinent, must mutually determine the point of failure and the party responsible for payment. Notwithstanding the foregoing, if there is an emergency, the Contractor shall repair same in accordance with the Problem and Reporting Escalation subarticle in this Agreement and if during off hours or a weekend or Contractor Holidays, the County shall compensate the Contractor as provided herein and seek reimbursement from the other company. If the Equipment malfunction is associated with the Contractor's failure to install the Equipment properly or according to the Manufacturer's specifications, the Contractor shall pay all costs.

xv) Maintenance of Equipment, Systems, or Sub-systems Purchased from Others

In the event the County adds or purchases equipment, systems or sub-systems from other contractors or vendors, the County shall timely notify the Contractor in writing of the installation of said equipment, systems or sub-systems. After installation, and unless otherwise notified by the County, the Contractor will be responsible for maintaining the equipment, systems, or sub-systems, pursuant to the Scope of Services article of this Agreement.

C. **Project Management Services**

i) The telecommunications infrastructure at MIA will continue to expand and evolve with new development at the airport. This evolution involves design and construction projects, some are exclusively limited to telecommunications systems, and others involve a multi-discipline effort. Both types of projects may require management of the telecommunications portion of the project by the Contractor as part of this work. For such projects, the Contractor will also provide consulting and project management services.

Project Management services will include, but shall not be limited to:

(a) Needs Assessment.
(b) Design telecommunications systems to meet user requirements.
(c) Design Inside/Outside Plant and network changes and extensions.
(d) Competitively bid sub-contracts for execution of this work.
(e) Manage telecommunication construction related activities and coordination with related work contractors.
(f) Update MDAD as-built CAD drawings for the managed infrastructure.

ii) New projects will be authorized, on a work order basis by the Manager or agent authorized in writing by the Manager. Each authorization will be accompanied by a written scope of work, and conceptual drawing where appropriate. No projects are to be undertaken without this authorization. In the case of new buildings where services do not exist, or additional services to existing buildings, the County will either provide the contractor with conduit or a suitable path to access the service demarcation point, or have the selected contractor provide such conduit at a cost approved in writing by the County. If, at the request of the County, the contractor provides the conduit, the County will reimburse the contractor for the approved cost of providing the conduit. Upon the request of the County and advise as to work to be

performed by the contractor, the Contractor shall manage same in accordance with clause (i) above.

iii) Once a project has been authorized, the Contractor shall execute and coordinate the design and estimate the cost of construction. On projects that involve only the telecommunications systems, the design shall be coordinated with MDAD Telecommunications. On multi-discipline projects this coordination shall include designers of other disciplines or other MDAD Divisions that may be involved in the project. Design and estimating services may be provided directly by the Contractor or under a sub-contract agreement with a qualified telecommunications design firm. MAC or day-to-day operation of the system shall not be affected as a result of the Contractor's role in new projects.

iv) All design work performed under the awarded contract shall be in full compliance with MDAD, EIA/TIA, BICSI and other applicable standards. Drawing files for existing portions of the system shall be obtained from MDAD staff. These drawings shall be modified and supplemented as required to include the new work. These drawings are to be supplemented with specifications, standards and other information to form a competitive bid package for the work. In all cases, new work shall be specified to be uniform with existing installations and equipment of similar nature at MIA. Any deviation or changes must be approved in advance by the MDAD Telecommunications Section.

v) Subcontractors shall only be used, subject to prior written approval from the Department, when the Contractor's existing work force is unable to perform project management services within established time frames.

Where subcontracting is required, all new design packages shall be competitively bid by a minimum of three (3) qualified telecommunications contractors. The Contractor shall conduct and manage this bid process in a fair and professional manner. Unless otherwise approved by MDAD Telecommunications, the Contractor shall accept the lowest responsive bidder in each subcontract category for execution of the work. If required by MDAD, the Contractor shall provide appropriate documentation to MDAD to verify the process.

All projects shall be segmented into elements of design, bidding and negotiation, and construction administration services. The cost of this work to the County shall be the sum of the lowest responsive subcontractor bids plus an amount equal to fourteen percent (14%) of the price of the subcontractor's work.

vi) Construction Administration Services. The construction administration work for authorized projects shall include attendance of construction meetings,

inspection of installed work, and coordination with related work trades and resolution of issues that arise in the course of construction.

vii) As-Built Documentation in accordance in the Documentation subarticle of this Agreement.

D. **Shared Airport Tenant Services ("SATS")**

The Contractor agrees to use its best efforts to establish, market, maintain, operate and manage SATS for the County, including CUTE, to Tenants and users at the Airport, consistent with the requirements of the Public Service Commission of Florida ("PSC") or whatever other governmental entity has jurisdiction over SATS, if and where applicable, and all applicable laws. Both Parties stipulate:

1. The Contractor, as provided in the Shared Airport Tenant Service Agreement dated July 24, 1990, assigned all of its contracts with SATS customers to the County, and the County agreed to the assignment.

2. The Contractor shall maintain and provide labor to repair the equipment so that the shared tenant service is operating in accordance with this Agreement. The Contractor shall submit a yearly marketing and customer service plan (the "Marketing and Customer Service Plan"). for review and approval by the County, to ensure the Airport's business partners receive the most efficient, effective and reliable telephone service possible. The Marketing and Customer Service Plan shall include, but not be limited to, the Contractor's plans to establish, market, and sell SATS and to be compensated therefor as authorized in accordance with the Payments and Cost Reimbursements article, as well as procedures for the handling of customer complaints and downtimes, including associated equipment requirements, and staffing plans. Upon receiving prior authorization from the Project Manager, additional equipment may be procured when required to support these shared airport tenant services.

3. The Contractor shall invoice all SATS customers. The Contractor shall receive from the Department, a billing form with instructions to be used for billing SATS customers. A copy of all submitted bills shall be forwarded to the Miami-Dade Aviation Department, Finance Division. Checks are to be made payable to Miami-Dade Aviation Department. SATS customers shall be instructed to send checks directly to the Department's Finance Division to the following addresses:

:

In Person – To: during normal business hours, 8:00 A.M. to 5:00 P.M. (Monday through Friday)

Miami-Dade Aviation Department
Finance Division
Suite 300
Building 5A
4200 N.W. 36 Street
Miami International Airport
Miami, Florida 33122

By First Class Mail – To: Miami-Dade Aviation Department
Finance Division
P.O. Box 592616
Miami, Florida 33159

By Express Mail – To: Miami-Dade Aviation Department
Finance Division
Suite 300
Building 5A
4200 N.W. 36 Street
Miami, Florida 33122

By Wire Transfer: In accordance with wire transfer instructions provided by MDAD Finance Division

4. The Contractor shall submit a proposed tariff schedule for all SATS, that the Contractor plans to use to ensure optimal billings of all gross revenues (the "Gross Revenues").

5. The Department shall approve the tariff schedule and SATS billing rates.

E. **Training and Transition Program Services**

1. Contractor may be requested to provide on-site training to related to voice mail, such as voice mail personal greetings, and all other instructions that the telephone users may need during the term of this Agreement.

2. In lieu of training at a distant site, Contractor may be requested to provide on-site technical training courses for County's technical personnel. The County will provide the Contractor with a sixty (60) day notice to arrange for training at County's premises. When an on-site technical training course is requested, the County will pay for the charge for the training class and the Contractor's instructor's air-fare, lodging and meals during the training session, in accordance with Section 112.061, Florida Statutes.

3. **Transition Plan:** For the period of this Agreement between eighteen (18) months and two (2) years, the Contractor will be required to implement a transition program which commences one hundred and twenty (120) days prior to the termination date,

upon being given one hundred and twenty (120) days notice of the termination from the Department. The purpose of the transition program is to ensure that either the new vendor or the Department's qualified operating and maintenance personnel are trained in all aspects of the System, provided that the Contractor's sole responsibility shall be to implement a program in good faith and in no event shall the Contractor have any liability or responsibility for whether the new vendor or the Department's qualified operations and maintenance personnel actually are competent to perform the Services to which they are assigned. As part of this transition plan, the Contractor will be required to ensure that all applicable equipment and systems are operational and installed in accordance with plans and specifications, and ensure that Documentation is submitted to the Department as stipulated in this Agreement, including, but not limited to, as-built/record documents and manufacturer's operations and maintenance manuals, and operational procedures specific to MDAD.

4. **Limited Transition Plan:** If the County desires to terminate and provide notice of less than one hundred and twenty (120) days, but in no event less than thirty (30) days, the Contractor will take all reasonable steps to assist the County in effecting a smooth transition to a new provider, such as the staffing overlap of managerial, administrative, or technical personnel from the Contractor, with the incoming new provider or the Department's personnel, to ensure that either the new vendor or the Department's qualified operating and maintenance personnel are trained in all aspects of the System. The support would be provided in the areas that pertain to the County, rather than internal Contractor operations. Any overtime work required to support such a transition overlap would be incurred by either the County or the new provider. In addition, the County may negotiate with the Contractor for a contract extension for such a transition program, which would include compensation to the Contractor, which may be paid by either the County or the new provider.

ARTICLE 5
OFFICE SPACE AND PARKING ARRANGEMENTS

A. Existing Operations / Engineering Space

1. Based on thirty-eight (38) assigned personnel, MDAD will provide to the Contractor its existing workspace as described in Exhibit 4 (the "Space"), plus loading dock access and storage space for cables, to the Contractor at no cost. No additional space will be provided by the Department in its facilities for the personnel of the Contractor or any of its subcontractors.

2. Custodial Service for Office Areas: MDAD will provide routine custodial service for the Contractor's offices and engineering area. This service shall include cleaning of floors, and emptying of waste paper and recycled paper containers. This custodial service shall not include the routine cleaning of the two (2) Core Rooms. These locations shall be cleaned and maintained by the Contractor.

3. Maintenance and Repair: The Contractor will preserve the Space in good working order and condition, subject to ordinary wear and tear.

4. Alterations and Signs: The Contractor shall not alter the support space in any way whatsoever, erect any signs nor permit any advertising of any nature without prior written approval from the Department.

B. **Parking Arrangements**

County shall furnish parking permits for Contractor's assigned staff for the term of this Agreement. Construction vehicles and equipment will only be authorized at the job site and at pre-assigned parking areas. The County shall reimburse the Contractor for parking in the Park 8 garage for its employees, or other assigned facility provided by the County, if a parking expense is incurred.

C. **Furniture and Supporting Equipment**

The Contractor shall use their existing office furniture and supporting office equipment, including but not limited to, copiers, personal computers ("PCs"), facsimile machines, in its operations and maintenance rate structure. No separate compensation for furniture and equipment in this subarticle shall be considered.

D. **Office Supplies and Consumable Items**

All office supplies and consumable items used in performance of the Contractor's work shall be provided by the Contractor.

E. **Telecommunications Costs**

MDAD will provide telephones and related services for all Contractor's operations and maintenance work within MDAD, including local calling within Miami-Dade County area. The Contractor will be provided telephone service (local service and voice mail) using the MDAD telephone systems. This will include limited extensions and phone sets that support its operations at MIA. The Contractor shall be responsible for all long distance telephone charges of a personal nature or those non-related to MDAD business, made from its telephones. A monthly reimbursement to MDAD will be made by the Contractor to compensate the County for any such long distance charges. If the Contractor decides to use the local service provider, it will be entirely responsible for any initial and recurring charges associated with these lines. Any special circuits required for additional functionality will be provisioned and paid for by the Contractor. Paging service will be provided by the Contractor to allow for paging of Contractor's key individuals as alarm conditions are experienced. Cellular phones (or radios) required for technicians and key management personnel will be entirely at the Contractor's expense.

F. **Computer Network/Technical Systems**

The Contractor will be provided local area network ("LAN") access to the County operated LAN at MIA. MDAD will provide one (1) network connection to each Contractor's staff member. MDAD further agrees to provide email service to the Contractor as well as access to the MDAD electronic records of as-built drawings. Conversely, the Contractor shall provide MDAD Telecommunications with access to the work order and trouble ticketing system via this LAN connection. The Contractor will also be responsible to provide and maintain technical systems hardware and software associated with the management of the Ethernet backbone. In addition, the Contractor will be required to provide and maintain computer hardware and software associated with the cable record systems, and any billing system the Contractor chooses to employ subject to approval by the MDAD. The Contractor shall provide a billing system that is compatible with MDAD's financial systems. These management systems will be maintained and operated at a level suitable to maintain the quality of service or additional requirements outlined in other sections of this Agreement. Back-ups will be performed and maintained off-site by the Contractor on all key technical systems to ensure data integrity.

ARTICLE 6
PERFORMANCE STANDARDS AND JOB SITE REQUIREMENTS

A. **Installation Service Requirements**

1. **Work Practices.** All work performed shall be performed in accordance with the following standards, as applicable:

   a. Any and all Federal, State and Local laws, building code requirements, statutes, ordinances, rules and regulations. Ignorance on the part of the Contractor or subcontractor will not exempt, excuse, or waive the Contractor from responsibility.

   b. Manufacturer or vendor's instructions about installation and service.

   c. Generally accepted engineering principles and industry standards, as provided below.

   d. Installation practices guidelines as described elsewhere in this document.

   e. Americans with Disabilities Act.

2. Contractor to perform County needed voice/data cabling. Contractor or subcontractor must possess one (1) of the following licenses and State registrations (if applicable), and provide proof of such to the County:

STATE:

a) Electrical Contractor, or
b) Low Voltage Specialist

COUNTY:

a) Master Electrician (State registration required), or
b) Communications Electrician

3. Contractor or subcontractor shall be proficient in all phases of telephone and data wiring as related to cable and wiring architectures in telecommunications spaces. All work performed by the Contractor, after June 1, 2002, shall be supervised by a Registered Communications Distribution Designer ("RCDD") certified person. RCDD certification is required for the Contractor or subcontractor by June 1, 2002.

4. Permits and Licenses: Contractor shall be responsible for obtaining all necessary permits and licenses required for installation and operation of the Equipment. Contractor shall cooperate and comply with any inspections required by all OSHA, Federal, State, and County codes, ordinances, statutes, and laws.

   Any fines levied by the above mentioned authorities because of inadequacies to comply with this requirement shall be borne solely by the Contractor.

5. The systems specified in this document shall be designed and implemented in accordance with the requirements of the latest revision of the documents listed below:

REFERENCE	DESCRIPTION
ANSI X 3T 9.5	The ANSI Committee responsible for FDDI
EIA/TIA 568	The commercial building-wiring standard. It defines a generic wiring system for a multi-product, multi-vendor environment
EIA/TIA 568B	The Commercial Building Telecommunications Cabling Standard. RJ.45 pin configuration defined in EIA Standard 568. Equivalent to AT&T 256A
EIA/TIA 569	The commercial building standard for telecommunications pathway and spaces. It defines the minimum requirements for ducts, closets and other spaces needed for data and telecommunications wiring

FCC Part 68	Federal Communication Commission document relating to connection of Premise equipment and wiring to the network
IEEE 241	Institute of Electrical and Electronic Engineers recommended practice for Electric Power Systems in commercial buildings
IEEE 802.1	IEEE Committee that defines the LAN Management and bridging standards
IEEE 802.3	Physical layer standard specifying a linear (bus) LAN using CSMA/CD access method
IEEE 802.5	Physical layer standard that specifies a ring topology LAN with a token-passing access method
NEMA 250	Enclosures for Electrical Equipment (1000 Volts Maximum)
NFPA 70	National Fire Protection Agency Standard for National Electrical Code ("NEC")
RFC 1157	Request for Comment for SNMP Standardization
RS – 232	EIA physical interface standard for use between data communications equipment and data terminal equipment
RS – 422	EIA standard for the physical interface between data communications equipment and data terminal equipment over circuits with their own ground leads
RS – 455	EIA standard for Fiber Optics – Fiber, Cables, Traducers, Connecting and Terminating
TSB 40A	Technical Systems Bulletin the provides additional transmission specifications for unshielded twisted pair connecting hardware
TSB 67	EIA/TIA standard for Transmission Performance Specifications
TSB 72	EIA/TIA standard for Centralized Optical Fiber Guidelines
UL144	Underwriter's Laboratories listing of Communications Cable as required by NEC

UL 1459	Underwriter's Laboratories requirements	Fire resistance

B. **Circuit Engineering and Documentation**

1. **Standards**

MDAD, EIA/TIA and BICSI standards shall be utilized in the engineering of all inside wiring, outside plant and circuit engineering. The Manager must approve any deviation from these standards.

2. **Special Engineering**

a. *Custom Circuit Types* shall be defined as circuit types that have not been previously engineered or provisioned at the Airport. The Department shall supply end-to-end specifications for these circuits to the Contractor. The Contractor shall engineer these circuits at the Department's request and thereafter add these circuits to the catalog of available circuit types.

b. *Repeaters, special conditioning equipment and circuit terminating equipment* necessary for the successful performance of these circuits shall be properly documented. This equipment shall be installed, tested and commissioned at the Department's cost. Test results for the circuit shall be documented and compared against the engineering worksheet for each specially engineered circuit.

c. *Special Maintenance Spares.* It is recognized that special circuits may require equipment that is presently not part of the spares inventory. In cases where this occurs, the Contractor shall be permitted to purchase a quantity of repair parts sufficient to maintain the circuit in the event of component failure. These maintenance spares shall be included in the MDAD master component list as long as one or more of the circuits is in use.

3. **Documentation**

The following Documentation shall be provided by Contractor:

a. Cable Management System - All voice, data, video and other circuits shall be engineered and documented in the MDAD cable management system presently in existence today. This engineering includes circuits which are provisioned over copper and fiber facilities and virtual LAN and wireless circuits which are provisioned over the MDAD local area networks.

b. Circuit Engineering Worksheets shall be provided for all circuits either as part of the cable management system application or as part of a separate database. These worksheets shall reflect the beginning, end and all intermediate points of connection for each circuit and parameters such as loop resistance, attenuation, optical loss, etc. which are relative to the type of circuit being engineered.

c. As-Built Drawings - Any work performed by the Contractor, which involves (i) additions or changes or deletions to equipment, (ii) cabling, or (iii) raceways shall be reflected in the as-built drawings provided by MDAD. These drawings will be made available to the Contractor in read-only form on the MDAD server. With each change, the Contractor shall download the appropriate drawings, incorporate the latest changes, and mark the drawing with the next revision level and date. The Contractor shall transmit the revised drawing to both the CAD Manager and the Manager. The CAD Manager, after reviewing the changes will replace the previous version of the drawing on the write protected server. One plot of the revised drawing will be transmitted to the Contractor via inter-office mail for the purpose of updating the PDS record set of drawings.

d. The Contractor shall provide complete technical and systems documentation. The extent of the documentation required shall include, but not be limited to, all technical manuals, key sheets, system's printout, cable records up to the IDF level for existing structure installed prior to February 7, 2002 and to the jack level for installations completed after February 6, 2002, sketches, blueprints, CAD drawings with soft copy and as-built documentation provided by MDAD, and users handbook. The Contractor shall establish and maintain complete project documentation and documentation of all Equipment, including installation instructions, if appropriate, and shall deliver same to the County throughout the course of this Agreement. All documentation shall be available to the Project Manager at any time during this Agreement upon request. All documentation when delivered with any Equipment purchased by the County will be available to the County in a designated area, agreed upon by both the County and the Contractor. The Contractor represents that the manuals described are the only manuals necessary for the operation of the System by individuals with the requisite knowledge and experience. Contractor will execute any and all documents needed or requested by the County to perfect the County's right, title or interest in the System documentation and any other records.

e. Telecommunication Topology drawings as requested by the Department.

4. **Uniformity and Standardization of Components**

All components used in circuit engineering shall be of the same type and manufacture as other components used for the same purpose in existing portions of the telecommunications infrastructure. These components shall be maintained in a database of standard component types and costs that is used for costing of all changes. The Manager must approve, in writing, any proposed changes to this component list due to obsolescence or other reasons.

5. **Configuration, Change, Asset Management**

The Contractor will be required to adhere to sound "configuration, change, and asset" management principles. Detailed drawings will be maintained that summarize various system layouts. Prior to changing equipment settings or configuration beyond the scope of routine day to day maintenance or troubleshooting, the Contractor will be required to provide written notice and/or drawings to MDAD of details surrounding the changes. The Contractor will be required to notify and coordinate approval of all scheduled outages with Tenants and/or MDAD Telecommunications.

6. **Standard Circuit Specifications**

Circuits engineered at MIA and GAA shall conform to the same specifications as similar circuits installed in the regulated telephone environment. The Contractor shall compile a complete catalog of circuit offerings at the Airport including circuit type, description, worst case circuit parameters, thresholds where the circuit will be deemed unusable and in need of repair and special requirements for end user provided terminating equipment. The Contractor shall update this catalog for its own use. One updated copy of this catalog shall be maintained at MDAD Telecommunications for reproduction and distribution to Tenants, agencies and other users of the MDAD telecommunications facilities.

7. **Installation Practices Guidelines.**

   a. All existing Federal Communications Commission ("FCC") rules and regulations apply as related to demarcation points and proper installation procedures.

   b. Each telephone instrument shall have a "home-run" back to the distribution closet.

   c. All blocks and instruments shall be labeled by the Contractor upon installation and fully documented. The instrument tags will be provided by MDAD.

d. Each cable installed must be of the type designed for the application and environment in which it is to be utilized.

e. All unterminated cable ends, either in wallboxes or surfaces must be fitted with covers designed for that purpose.

f. All cables/wiring, wherever possible, will be concealed inside existing walls, ceiling finishes, or run inside wire mold.

g. All connectors must be concealed in wall boxes and should not be left laying on the floor or be obstructive.

h. Laying cables on suspended ceilings or using the support wires of suspended ceilings to support any cable is strictly prohibited and is a violation of the National Electrical Code ("NEC"). Using electrical conduits or other building infrastructure services such as air conditioning ducts, fire sprinkler pipes, is a violation of the NEC. All cables, wires, and equipment for voice and data services shall be installed in conduit or have independent support systems from the building structure, and any deviation from these rules will result in the Contractor having to redo the work at its expense.

i. Exposed cables shall be stretched and stapled at even distances to remove wrinkles, twists, and kinks.

j. For any underground or overhead cable installation, no in-house type cable can be used, whether temporary or permanent. Only cables designed for these kinds of installation must be used, preferably polyethylene, rodent protected and jelly filled.

k. All cables connecting two (2) or more buildings together, must be protected at each entrance, using three (3) element gas filled protection and properly bonded and grounded.

l. Station Location - all telephone sets will be installed at locations pre-determined by the using agency.

m. All equipment and component parts purchased shall be new at the time of delivery unless otherwise approved by MDAD.

n. All telephone equipment shall comply with the specifications set forth in the FCC Rules and Regulations, Part 68.

o. All electrical work shall be performed according to the NEC and all applicable State, County, and local codes.

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p. Where existing cables are found and available for re-use, they may be re-used provided that they are of the proper size (no in-line splice or connectors will be allowed), length, and meet proper installation standards.

q. Upon completion of every task, the Contractor must leave the site cleared of all cables and other materials. Furthermore, the work sites must be cleaned up daily and at the end of each installation.

r. All telephone station equipment utilized must be compatible in color as far as possible with existing equipment and must also be "plug compatible".

s. All equipment removed from service and deemed reusable, must be packaged and properly stored for future use when necessary. The Contractor must complete the applicable inventory forms showing deletion or additions of telephones.

t. As required, the Contractor will complete key sheets on new installations and store them for reference when the projects are completed.

u. The Contractor shall not deviate from proper installation standards at the request of the SATS customer or user, nor shall it accept and perform work beyond the initial requests from the SATS customer or user, in accordance with the approved work order. Changes to work orders will only be approved by MDAD Telecommunications. If the Contractor performs work beyond the initial request without the approval by MDAD, it does so at its own risk and may not be paid for the work performed.

C. **Examination of Work Sites, and Specifications.**

Where applicable and appropriate, the Contractor shall:

1. Examine all specifications, drawings, directions and conditions relating to the work.
2. Visit the job site.
3. Investigate any difficulties encountered in performing the work.
4. Notify the County of any discrepancies, conflicts or other field conditions that will affect the work to be performed.

Contractor has actual knowledge of the construction and labor conditions under which the work is to be performed, has inspected the sites, and has read and is reasonably familiar with this Agreement and its exhibits, documentation, and plans provided by County prior to the execution of this Agreement for the buildings in

which the work is to be performed. It is acknowledged that substantial construction and renovation is occurring on a continuous basis at the Airport and that Contractor's knowledge is limited to its actual knowledge of existing conditions at the time the work is requested. Failure to read or become familiar with said Agreement, documents, plans or specifications shall neither exempt, excuse, nor relieve the Contractor of its obligations to furnish all necessary Equipment, Services, and labor necessary to satisfy the Contractor's obligations under this Agreement and to complete the work for the consideration set forth herein.

Contractor shall at all times make commercially reasonable effort to conduct its work so as to insure the least possible obstruction to the County and the least inconvenience to the vicinity of the work site. The Contractor will assume full and complete responsibility for, and all risks in connection with the Services.

D. **Special Conditions at the Sites**

1. All material for the installation of services shall be delivered and the work conducted so as to minimize any interference with concurrent work of others and normal operations in existing MDAD facilities. Every effort shall be made to limit dust, noise and fire hazards during installation.

2. Debris due to work under this Agreement shall be cleaned and carted away by the Contractor prior to leaving the premises.

3. At the job sites, noise from equipment shall be kept to a minimum by use of adequate mufflers or other acceptable means. Noisy installation of equipment shall be scheduled when disruption to MDAD, SATS customers and the public will be minimal and cause the least inconvenience.

4. The Contractor shall conform to applicable fire regulations.

5. The Contractor shall protect against injury to persons, and damage to pipes, conduits, trees, fences or other visible structures.

6. Precautions shall be exercised at all times for the protection of persons and property. The Contractor and its subcontractors shall conform to all OSHA, Federal, State and County regulations while performing under this Agreement. Any fines levied by the above mentioned authorities due to failure to comply with any requirements shall be borne solely by the Contractor.

E. **Hardware/Software Configuration**

The Contractor shall be responsible for configuring software and hardware as may be required for the projects or jobs assigned, to provide a turnkey system. If the Contractor does not have the expertise in-house to configure software/hardware on

any of the above systems, it may upon approval by the County, utilize the services of subcontractors, provided they are factory certified to work on the System. In any event, the Contractor shall provide the MDAD with the appropriate Documentation detailing software and hardware configurations provided.

F. **Power Supplies**

The Contractor will be required to install, replace, analyze and repair chargers, rectifiers, inverters, uninterrupted power supplies ("UPS"), power supplies for PBX and data systems with voltage dividers (taking 110/220VAC converting to DC or vice versa). The Contractor must be versed in the repair, analysis and solutions to power system problems. Knowledge of grounding of power supplies and equipment cabinets is of primary importance. The Contractor: (i) must be able to follow manufacturer's specifications for grounding; (ii) must have appropriate test equipment, and be able to test systems for differences in ground potentials; and (iii) correct systems that do not meet manufacturer's specifications.

G. **Penetrations in Concrete or Other Structural Members**

Core drilling of poured concrete slabs, walls, beams, and the like, shall be performed in a safe and workmanlike manner, to minimize danger and damage to personnel and/or equipment and property, and dust production. All core drilling shall be completed in all telecommunications closets, MDF, IDF, before cable placement begins. Periodic clean-up and removal of debris generated during core drilling operations shall be performed by the Contractor.

The Contractor shall temporarily plug all slab penetrations as they are drilled to prevent dust and debris from the floor above from damaging any facilities on the floor below. Core drilling shall be scheduled and reviewed with the appropriate Building Manager before commencement.

H. **Main PBX/Switch Rooms**

For telephone rooms, the Contractor shall comply with ANSI EIA TIA Commercial Building Standard for Telecommunications Pathways and Spaces.

I. **Telephone Distribution Points**

The Contractor, when requested by the County, shall comply with the following:

1. Telephone distribution to areas distant from main telephone rooms requires an additional telephone closet or closets. Access to these spaces have the same requirements as telephone rooms as specified in the EIA/TIA 568 Standard. In addition, since many distribution points are in shallow closet-type areas, free access space in front of telephone backboards must be provided. This area must be kept clear for maintenance personnel for a

minimum distance of three (3) feet.

2. A plywood backboard, 3/4" exterior grade, painted black or blue with a minimum size of four feet by four feet (4'-0" x 4'-0") shall be installed at all telephone distribution points.

3. A minimum of one (1) four-outlet (quad) receptacle on a dedicated circuit shall be installed at the telephone and data backboard. This outlet shall be at a minimum height of sixty (60) inches AFF.

4. Adequate lighting shall be supplied at all telephone distribution points.

5. Each telephone distribution point shall be supplied with a suitable earth ground. The minimum size wire shall be number 4 AWG and shall terminate on a grounding bus at the lower right or left side of backboard.

J. **Access**

The County agrees to permit and arrange for access to the MDAD premises as it deems necessary for Contractor's technicians to perform the Services set forth in this Agreement. Access to Tenant premises shall be coordinated by the Contractor with the Tenants.

The County shall at all times have access to all Equipment, Systems, Sub-Systems. and work areas.

K. **Contractor's Responsibility to Reconstruct Work Areas as Originally Found**

Upon completion of any MAC, maintenance, or repairs, the Contractor shall reconnect any utilities, equipment, or appliances removed by the Contractor in the course of work, and replace all furniture, and objects moved by the Contractor for the performance of the work. Debris and rubbish created by the Contractor shall be removed and the premises left clean. This includes dust caused by the removal of ceiling tiles. Contractor will be responsible for replacing any ceiling tiles that are broken by its personnel or subcontractors.

L. **Coordination**

Contractor shall fully cooperate, and when directed by the County, coordinate the installation of all Systems, Sub-Systems, and Equipment with any other contractor under contract with County, and with County personnel for work related to, but not included in, this Agreement. Contractor shall not modify the work of any other contractor or the County without the express, written consent of the Project Manager.

M. **Uniformity and Standardization of Components**

All components used in service provisioning shall be of the same type and manufacture as other components used for the same purpose in existing portions of the network. The Project Manager, must approve, in writing, any proposed changes to this component list due to obsolescence or other commercially acceptable reasons.

N. Removal of Unused Cabling and Equipment

During remodeling efforts or furniture rearrangements within existing space, new MAC requests are submitted by the customers of MDAD. Existing outlets are to remain during this process, unless specifically identified in the request for removal. In addition, when walls are removed, the jacks shall be disconnected and cable records amended to reflect that change. In order to maximize existing cable plant, the Contractor shall avidly pursue disconnecting unused jacks for cross-connects to backbone cabling. Associated blocks shall be re-labeled and cable records updated where affected. The Contractor is responsible for opening and re-sealing fire rated assemblies when such assemblies are involved with the removal of unused cable and equipment.

O. Existing Utilities/Cable/Duct Locate Services

The utilities at MIA are covered under a blanket locate agreement for incidental jobs. The Contractor shall provide on-site cable locating support to augment the current locate service provider in situations where cable depth must be determined, or where direct buried facilities which fall outside of the provider service must be located. In addition, the Contractor's locate capability will be used to meet delivery schedules of MAC or repair service.

Existing Utilities:

1. Before performing any utility modifications, utility shutdowns, or any hot work on existing utilities within a building, or performing any excavation drilling holes, performing any vibroflotation (vibrocompaction) work, hot work on any underground utility, or driving piles, the Contractor shall contact all concerned utilities.

2. Contractor shall complete the Underground Utilities Clearance Sign-Off sheet and submit to the Project Manager.

3. Complete the Shut Down Request form and submit it to MDAD Maintenance Engineering in accordance with the form's instructions.

4. Before initiating hot work, the Contractor shall submit the hot work permit application. Hot work includes, but is not limited to, brazing, cutting, grinding, soldering or thawing of utility pipes, torch applied roofing, and welding.

P. **Unsatisfactory Work**

The County will inform the Contractor within ten (10) business days of Unsatisfactory Work. The Contractor has thirty (30) calendar days, commencing from the notification to remedy and cure the Unsatisfactory Work (the "Cure Period"), prior to the County withholding payment for the work. The County may extend the Cure Period.

ARTICLE 7
PROCUREMENT OF MATERIAL, EQUIPMENT AND INVENTORY

Except when the County requires the Contractor to provide competitive bids, the Contractor will be required to procure all parts, equipment, and software necessary to perform the work under this Agreement. These items are to be funded by the Contractor, and will be reimbursed and paid when the Department pays the invoice associated with the maintenance, MAC, and or project management services. The Contractor will maintain, in consideration for the payment of an annual spare parts carrying charge as provided in the Payment and Cost Reimbursements article, high use items "on-hand" in order to complete routine maintenance and MAC services within the aforementioned times. The Contractor will recommend and control a spare parts inventory list that will be solely used for maintenance repairs and MAC work. "Special order" parts are those that are not routinely used or are large enough that a "just in-time" approach suffices to the procurement of these materials. Parts will be designated to specific service requests or projects as they arrive. Any residual, excess, or left over material will become property of the County upon termination of the Agreement. Large item storage will be authorized in secured designated outdoor areas. THE CONTRACTOR SHALL NOT USE MDAD COMMUNICATION ROOMS AS STORAGE AREAS. The Contractor must adhere to all escort and security requirements in regards to delivery personnel.

A. **Spare Parts Inventory**

The Contractor shall maintain a spare parts inventory (the "Spare Parts Inventory") in a County designated secured area (which would be within the Space), to support both scheduled and non-scheduled maintenance and repair, to ensure prompt repair of Equipment and for MAC services. From time to time it may be necessary to add or delete certain items from the Spare Parts Inventory due to equipment obsolescence or changes in network configuration which preclude the need for these materials. The Contractor shall regularly monitor the Spare Parts Inventory and recommend the addition and/or deletion of specific items. MDAD Telecommunications will review the Contractor's recommendations and where appropriate, issue written direction for the addition and/or removal of items from the Spare Parts Inventory.

MDAD will purchase when and as required during the term of the Agreement all parts necessary for the ongoing operation and maintenance of all telecommunication, data and CUTE systems. Upon termination of this Agreement, MDAD will purchase the Contractor's remaining stocked spare parts inventory that the County deems necessary to the ongoing operation of its telecommunications, data network, and CUTE systems at the State of Florida contract or other agreed fixed price.

The Project Manager reserves the right to request that the stocked spare parts be modified, based upon supply and demand to service the Airport. The Contractor shall supply refurbished and remanufactured equipment if said equipment is requested by the County and is available via the Contractor's general product provider.

B. **Capital Outlay Expenditures**

1. **Capital Expenditure Approval:** The Contractor shall not make any capital expenditures except as expressly pre-approved by the Department in accordance with the Expenditure Authority article of this Agreement.

2. The Contractor shall continue to utilize its existing vehicles, furniture and supporting office equipment including copiers, personal computers, facsimile machines in its operations structure, and title to these materials shall remain with the Contractor.

3. **Installed Inventories:** The Contractor shall provide serial numbers and locations for the Equipment, to the extent they exist. The Contractor shall establish appropriate controls, subject to review and approval by the Department, to deter pilferage, theft, conversion, disappearance, or other losses of County property from inventory. The Contractor, throughout the term of this Agreement, shall maintain a current and up-to-date perpetual inventory listing. Following the completion of each inventory required herein, except that required prior to the effective date of this Agreement, the Contractor shall pay to the County the net book value of any losses from inventory resulting from the negligence of the Contractor. Nothing contained herein shall be construed to authorize the Contractor to dispose of any capital property of the County without the prior written approval of the Department.

C. **Purchasing Procedures**

1. The Contractor will be required to sell to the County, at State of Florida contract price, or other agreed fixed price, whichever is lower, or at a mutually agreed upon price if there is no State of Florida price applicable, all parts and equipment necessary to perform the work under this Agreement.

The Contractor shall pass on to the County any additional discounts offered by the equipment vendors and invoice MDAD for the actual cost paid for such equipment or parts by the Contractor.

2. At MDAD's option, the Contractor shall provide to MDAD a minimum of three (3) qualified bids, if available, for MDAD's acquisition of specified parts, equipment, wiring, cables, materials, supplies, systems, sub-systems, or software necessary to provide the Services under this Agreement.

3. The Contractor shall submit to MDAD on or before February 12, 2002, the State of Florida contracts price or other Contractor fixed price, in a pre-approved pricing exhibit for items expected to be purchased.

4. The dollar threshold for purchasing equipment and parts, and appropriate authority levels are as described in the Expenditure Authority article of this Agreement. The Contractor shall obtain prior written approval in accordance with this schedule prior to purchasing any equipment or parts.

5. Procurement of major purchases, like a new PBX system, if not included in any of the existing contracts above, may necessitate the issuing of a separate solicitation document.

D. **Deliveries and Shipping Costs**

1. Deliveries of material will be scheduled and handled solely by the Contractor and MDAD will provide loading dock facilities. The Contractor assumes all responsibility for the delivery of all purchased items. Contractor shall make all deliveries of equipment and supplies in such manner and at such times and locations as may be reasonably approved. Emergency deliveries may be made at other times subject to prior arrangements with MDAD Telecommunications.

2. Shipping Costs: All shipments shall be via standard freight carriers and expedited shipment shall be utilized only when required and requested by MDAD.

E. **Material storage space**

The Contractor will be provided storage space.

F. **Instrument Inventory and Labeling**

All telephone instruments and telecommunications equipment installed or stored shall be inventoried, labeled and tagged using MDAD provided labels, as required

by the County.

G. Contractor shall provide new Equipment under this Agreement. If the County requests refurbished or remanufactured Equipment, the Contractor shall provide County with the cost for the refurbished or remanufactured Equipment and shall provide the refurbished or remanufactured Equipment upon County request. Contractor shall supply refurbished or remanufactured equipment only if said equipment is available via the Contractor's secondary market provider.

H. If Equipment is rejected by the Project Manager or his or her designee, the validity of rejection must be reviewed, determined and mutually accepted by the Project Manager and the Contractor, in accordance with the Unsatisfactory Work subarticle of this Agreement. Contractor, if determined to be at fault, will as soon as practicable correct the Equipment. Failure of the Contractor to correct the problem(s) within the Cure Period, in accordance with the Unsatisfactory Work subarticle, gives the County the right to cease use of the Equipment and return it to the Contractor for full credit. Any installed but rejected Equipment shall be disconnected and removed by Contractor from the original installation site of the Equipment, provided however, that the Contractor shall not be required to accept the return of Equipment that has been damaged by County. Upon Equipment removal, the Contractor shall use all commercially reasonable efforts to return the site to its original condition.

I. The County reserves the right to request the Equipment manufacturer be brought on-site to provide technical support for the Contractor, if or when necessary.

J. **Title**

Title to Equipment and/or parts shall pass to the County upon the County's reimbursement to the Contractor of the cost of the particular item.

ARTICLE 8
WARRANTY

A. New System or Equipment Warranty

Contractor shall warrant that, in accordance with the manufacturer's warranty, the Equipment, Systems, Sub-Systems, and Software purchased by or from the Contractor under this Agreement, from and after February 7, 2002, shall function in all material respects in accordance with the manufacturer's published specifications. Contractor will make all commercially reasonably efforts required to ensure that the Equipment, Systems, Sub-Systems, and Software operate in all material respects in accordance with the manufacturer's published specifications. The Contractor will be responsible for enforcing warranties of the equipment purchased from other contractor(s) and vendor(s), provided that litigation will only be required at the Department's request and expense for enforcement of a warranty.

B. MAC Warranty

Contractor shall warrant that the Equipment purchased for moves, additions, and changes from the Contractor under this Agreement shall function in all material respects in accordance with the manufacturer's published specifications for ninety (90) days from the date of completion of the installation. Contractor will make all commercially reasonable efforts required to ensure that the Equipment installations will function in all material respects in accordance with the manufacturer's published specifications.

C. Warranty Service

Contractor agrees to provide to the County for the Equipment or parts purchased from Contractor, warranty service to keep or maintain the Equipment or parts in, or restore the Equipment or parts to the condition necessary to operate according to the manufacturer's specifications. If the Contractor is unable to repair any defective items, the Contractor will replace and reinstall such replacement items. Warranty service includes: (i) preventive maintenance based upon the specific needs of the individual items of the Equipment or parts; (ii) unscheduled, on-call remedial maintenance; and (iii) adjustments and replacement of Equipment or parts deemed necessary by Contractor at no cost to the County.

D. Contractor agrees that during the one (1) year warranty period, all subsequent or future Documentation and revisions to existing Documentation developed for the Equipment or system will be furnished to the County at no additional cost.

ARTICLE 9
PERSONNEL

The Contractor shall provide for a staff of thirty-eight (38) persons as of February 6, 2002, which the Contractor recommends is necessary to support the operations, management, maintenance, service, support and equipment and supplies of the telecommunication and data network infrastructure, hardware and software systems as herein described in this Agreement. It is assumed that subcontractors shall only be used, subject to prior written approval from the Department, when the existing work force is unable to perform the maintenance, MAC, and project management services within established time frames.

1. Categories of Labor to be Provided by the Contractor

The Contractor must provide, either through its own staff or through subcontractors, the labor competent to perform the following described work, as needed to perform the services required by the County. The Contractor shall provide a list of all personnel assigned to this Agreement that includes their title and job responsibilities. Any changes in staffing shall be approved in advance by the Department. If additional personnel are needed to perform the services, the Contractor shall submit a staffing proposal request that includes justification and a cost proposal to the County for its consideration and approval. The County reserves the right to review the Contractor's operations, and if the System requirements decrease, can correspondingly reduce the Management Fee, provided that in no event shall the Management Fee be reduced as a result of the County's decision to retain or employ a third party to perform the portion of the System requirements which had been reduced from this Agreement. The Management Fee may be correspondingly reduced as a result of the County's decision to retain or employ its' own personnel, up to a maximum of six (6) people, to perform a portion of the System requirements.

A. Engineering and Project Management Staff

The Contractor shall be experienced with private and public telephone and data network systems environments and be familiar with the design and implementation of:

1) PBX systems, electronic key systems, 1A2 key systems, ACD systems, Auto Attendants/Voice Mail systems, Voice Response units.
2) Data communications systems.
3) Transmission systems such as T1, Frame Relay, ISDN, ATM, ADSL.
4) Single and multi-zone paging systems.
5) Outside plant design including applicable LEC practices.
6) Inside plant including telephone rooms and closets, riser systems, MDFs, IDFs, and backboards according to Miami-Dade County specifications.
7) Power plants, including UPS and battery banks.
8) Floor plans, including equipment layout for the installation of telephone

systems and computer floors.

9) Environmental requirements, including air conditioning requirements, power requirements, grounding, and fire protection.
10) Traffic analysis.
11) Any other industry defacto requirements as the technology changes require for all subsequent sections.

B. **Telephone Technician/Installer**

The Contractor shall provide technicians/installers that are totally familiar with the installation, repair, and maintenance of various types of telephone systems. This Agreement requires installers that have expertise in the installation of intercoms, paging systems, speaker phones, answering machines, call sequencers, announcers, voice response units, electronic key systems, PABXs, and all types of voice and data cabling and telephone instruments.

The technician/installer performing the work must be factory certified in the installation and repair of telephone and network systems installed in the Airport and be equipped with standard installation tools and test equipment.

The telephone technician/installer shall be equipped with diagnostic tools appropriate for the equipment being tested and materials being installed. All test equipment shall be certified for the systems and circuits being tested.

C. **Data Technician/Installer**

The Contractor shall provide data technicians/installers who are knowledgeable in the following areas related to Local and Wide Area Networks:

1) The following layers of the Open System Interconnect ("OSI") open network architecture:

   a) The Physical Layer and equipment such as repeaters.
   b) The Data Link and equipment such as bridges.
   c) The Network Layer and equipment such as routers.

2) Medium and connectors for Ethernet, token ring, FDDI, such as Category 5 and fiber optic cables.

3) Installation practices of the Physical Media per EIA/TIA 568A, 569, 606, 607, TSB 67 and any other standards as they are published.

4) Safety and fire codes such as the National Electrical Code, as they apply to grounding, power, and fire stopping.

5) Data communications equipment such as modems, CSUs/DSUs, and

multiplexers.

6) Communications circuits such as T1, frame relay, ISDN, ATM, and ADSL.

The data technician/installer performing the work shall be knowledgeable and experienced in the installation of data communications cabling and equipment as per the technical specifications identified above. The data technician/installer shall be equipped with diagnostic tools appropriate for the equipment being tested and materials being installed. All test equipment shall be certified for the systems and circuits being tested.

D. **Cable Splicer**

The cable splicer shall be proficient in installing, splicing and trouble-shooting various kinds of inside and outside plant cables, both underground and overhead, to include fiber optic, CAT 3, CAT 5, shielded cables and any other specified cable infrastructure.

E. **Customer Service Representative ("CSR")**

The Contractor's CSR will interface between MDAD and SATS users of telephone equipment and the County's common carriers in providing a range of telephone and data services to MDAD and SATS users. The Contractor's CSR shall be experienced in interacting with public and privately owned telephone companies, public and private sector executives and dignitaries, technical and non-technical individuals, and will be required to have good public relations and interpersonal skills.

F. **General Manager**

A General Manager or equivalent level person with day-to-day operational responsibility for the competent performance and fulfillment of the duties and responsibilities of the Contractor under this Agreement, and who is authorized to accept service of all notices provided for herein. The General Manager shall be qualified and experienced and must have had at least three (3) years of recent management experience, with similar responsibility for a comparably-sized, similar operation, or equivalent supervisory experience. The General Manager shall be dedicated totally and solely to the fulfillment of the Contractor's obligations at the Airport pursuant to this Agreement, and shall maintain a primary office within the facilities provided by the County at MIA. The Department shall have the right to require the Contractor to replace the General Manager.

2. **Personnel**

The Contractor shall recruit, screen, and employ such full-time, part-time and Contractor personnel as needed for the Contractor to competently and efficiently fulfill its obligations under the terms of this Agreement. The Department shall have the right to approve personnel to be employed in designated classifications or levels.

3. **Personnel Standards**

A. The Contractor shall only fill positions with personnel who have met all of the personnel provisions of this Agreement and who meet the minimum training qualifications required for each position.

B. The Contractor shall ensure that all employees present a clean, neat and professional appearance at all times, and perform their duties in a cooperative, courteous, and efficient manner. Contractor employees shall be dressed in manner suitable for the type of work they are to perform.

C. **Removal of Staff**

The County reserves the right to request the Contractor to remove from the Contractor's staff, within thirty (30) days of receipt of written notice, any individual performing services under this Agreement, whose performance, behavior, or conduct is found unsatisfactory to the County or MDAD. The Contractor shall supply competent employees. The County may require the Contractor to remove an employee the County deems careless, incompetent, insubordinate or otherwise objectionable, and whose continued employment on County property is not in the best interest of the County. Any employee of the Contractor's staff in violation of the security provisions will be subject to immediate removal from the Contractor's staff assigned to perform the duties under this Agreement.

4. **Employees are the Responsibility of the Contractor**

All employees and subcontractors of the Contractor shall be considered to be, at all times, employees of the Contractor under its sole direction, and neither employees nor agents of the County. Each Contractor employee shall have and wear proper identification.

5. **Tips and Gratuities**

No employee of the Contractor shall be permitted, directly or indirectly to solicit, accept, or request any form of tip or gratuity from anyone.

6. **Employee Relations Expenses**

The Contractor shall not be reimbursed by the Department for any legal or other services with respect to employee relations matters applicable to employees of the Contractor, unless prior written approval is granted by the Department.

7. **Language Requirements**

The Contractor's supervisors, who must be able to take instructions from its management or, in the event of an emergency, from the Department, must be able to communicate in English.

8. **Other Agreements**

The Contractor shall not, without the specific advance written approval of the Department, which approval may be withheld without stated cause, enter into any contract, agreement or arrangement of any kind, which would or could in any way serve to (a) increase Reimbursable Operating Expenses for wages or fringe benefits, (b) modify or change the duties, work rules, working hours or responsibilities of reimbursable employees of the Contractor hereunder, or (c) delegate or assign to any other party the right to make decisions as to such matters.

9. **Labor Activity**

If any strike, boycott, picketing, work stoppage, slowdown or other labor activity is directed against the Contractor at the Airport, which results in the curtailment or discontinuance of services performed hereunder, the Department shall have the right, during said period, to cause the services required to be provided under this Agreement to be performed by others without any liability to the County. During such period, this Agreement may be abated at the sole discretion of the County. If such strike, boycott, work stoppage, slowdown, or other adverse labor activity continues for a period to thirty (30) days, the County shall have the right to terminate this Agreement for cause.

10. **Competing Employment**

Contractor's on site employees shall not engage in any type of activities for the provisioning of services outlined in this Agreement to entities other than MDAD and the SATS customers of the Department during the employees' working hours under this Agreement, and the employees will be dedicated totally and solely to the fulfillment of the Contractor's obligations at the Airport required by this Agreement, during said working hours. Except as may be required by law, the Contractor and its employees, agents, subcontractors and suppliers will not represent, directly or indirectly, that any product or service provided by the Contractor or such other parties has been approved or endorsed by the County, but Contractor is not precluded from listing County as a customer. The Department will not directly solicit the Contractor's employees, and will not tell other competitors of the Contractor to solicit the Contractor's employees.

ARTICLE 10
AIRFIELD OPERATIONS AREA ("AOA") SECURITY

1. Contractor acknowledges and accepts full responsibility for compliance with all

applicable rules and regulations of the FAA and MDAD as set forth from time to time relating to Contractor's work at the Airport. Contractor fully understands and acknowledges that any security measures deemed necessary by the Contractor for the protection of jobsite, or equipment and property and access to the AOA through the jobsite shall be the sole responsibility of the Contractor and shall involve no additional cost to MDAD. All such security measures by the Contractor shall be in accordance with FAR 107 and the MIA security plan.

2. MDAD authorized identification badges will be issued to all Contractor employees working in the security identification display area ("SIDA") or any other secured area of MIA. All such employees will be issued photo identification badges and will be subject to Federal Bureau of Investigation ("FBI") fingerprint based criminal background investigation. Unless otherwise specified, identification badges will not be required or issued by MDAD for work performed at the GAAs.

3. The Contractor shall be responsible for requesting MDAD to issue identification badges to all employees whom the Contractor requests be authorized access to the SIDA and shall be further responsible for the immediate reporting of all lost or stolen identification badges and the immediate return of the identification badges of all personnel transferred from MIA assignment or terminated from the employ of the Contractor or upon final acceptance of the work or termination of this Agreement. Contractor will be responsible for fees associated with lost and unaccounted badges as well as the fee for fingerprinting and identification issuance.

4. All employees of the Contractor and its subcontractor(s) who must work within MDAD secured areas at MIA shall be supplied with MDAD identification badges as specified above, which must be worn at all times while within the secured area. Badges shall be worn on outer garments above the waist so as to be clearly visible in order to distinguish, on sight, employees assigned to a particular Contractor. The MDAD Security and Safety Division shall provide the identification badges to the Contractor. Each employee must complete the SIDA training program conducted by MDAD and comply with all other FAA or MDAD requirements as specified by the MDAD at the time of application for the identification badge before an identification badge is issued. At the present time, MDAD Security and Safety Identification Section regularly provides SIDA Training.

5. Ramp permits will be issued to the Contractor authorizing vehicle entrance to the AOA through specified MDAD guard gates for the term of this Agreement. These permits will be issued only for those vehicles (including vehicles belonging to the subcontractor(s)) that must have access to the site during the performance of the Agreement. These permits will be only issued to Contractor owned vehicles or to Contractor leased vehicles (leased from a commercial leasing company). AOA decals, passes or permits to operate within the AOA will not be issued to privately owned or privately leased vehicles. All vehicles operating within the AOA must have conspicuous company identification signs (minimum of three (3) inch lettering) displayed on both sides of the vehicle.

All vehicles operating within the AOA must be provided with the Automobile Liability Insurance required in this Agreement. Proof of such insurance shall be provided to MDAD Airside Operations Division upon request. Unless otherwise specified in the Agreement, ramp permits will not be required or issued by MDAD for work performed at the GAAs.

6. Before the Contractor shall permit any employee with pictured identification to operate a motor vehicle on the AOA without MDAD escort, the Contractor shall require such employee to have a current, valid, appropriate Florida driver's license and to attend and successfully complete the AOA Driver Training Course conducted periodically by the Department. The privilege of a person to operate a motor vehicle on the AOA may be withdrawn by the Department because of violation of AOA driving rules or loss of Florida driver's license.

7. The Contractor agrees that its personnel, vehicles and other personal property are subject to being searched when attempting to enter, leave or while on the AOA. It is further agreed that MDAD has the right to prohibit an individual, agent or employee of the Contractor or subcontractor(s) from entering the AOA, based upon facts which would lead a person of reasonable prudence to believe that such individual might be inclined to engage in theft, cargo tampering, aircraft sabotage or other unlawful activities, including but not limited to repeated failure to comply with MDAD, and FAA SIDA and AOA access control policies, rules and regulations. Any person denied access to the AOA or whose prior authorization has been revoked or suspended on such grounds shall be entitled to a review hearing before the Director or his or her authorized designee within a reasonable time. Prior to such hearing, the person denied access to the AOA shall be advised, in writing, of the reasons for such denial.

   The Contractor acknowledges and understands that these provisions are for the protection of all users of the AOA and are intended to reduce the incidence of thefts, cargo tampering, aircraft sabotage and other unlawful activities at MIA and to maximize compliance with MDAD and FAA access control policies and procedures.

8. The Contractor understands and agrees that vehicles shall neither be parked on the AOA in areas not designated or authorized by MDAD, nor in any manner contrary to any posted regulatory signs, traffic control devices or pavement markings.

9. The Contractor understands and agrees that all persons entering and working in or around arriving international aircraft and facilities used by the various Federal Inspection Services agencies may be subject to the consent and approval of such agencies. Persons not approved or consented to by the Federal Inspection Services agencies shall not be employed by the Contractor in areas under the jurisdiction or control of such agencies. Persons not approved or consented to by the Federal Inspection Services agencies who enter such areas are subject to fines,

which shall be borne entirely by the persons and/or the Contractor.

10. Notwithstanding the specific provisions of this article, MDAD shall have the right to add, amend or delete any portion hereof in order to meet reasonable security requirement of MDAD or FAA.

11. The Contractor shall ensure that all employees so required participate in such safety, security and other training and instructional programs, as MDAD or appropriate Federal agencies may from time to time require.

12. Contractor agrees that it will include in all agreements with its subcontractor(s) an obligation by such parties to comply with all security requirements applicable to their operations at MIA. Contractor agrees that in addition to all remedies, penalties and sanctions that may be imposed by MDAD or the FAA upon the Contractor's subcontractor(s) and its individual employees for a violation of applicable security provisions, the Contractor shall be responsible to MDAD for all such violations and shall indemnify and hold MDAD harmless for all costs, fines and penalties arising therefrom which shall include reasonable attorneys' fees.

13. AOA Security at GAAs: The Contractor and its subcontractor(s), and suppliers shall "sign in" and "sign out" at the airport's manager's office or his designated representative whenever the Contractor is performing work at a GAA.

14. In the event the Contractor is assigned a project within the Customs area and the Contractor is required to obtain an Airport Customs security bond, the Department shall reimburse the Contractor the cost of the premium for such bond, as substantiated by the invoice.

ARTICLE 11
BUDGETING, MEETINGS AND REPORTS

1. **Preliminary Budget Estimate**

Annually, on or before October 1st, the Contractor shall provide the Department with a preliminary budget estimate (the "Preliminary Budget Estimate") for all expenses anticipated to be needed to provide for the Scope of Services in the following fiscal year under this Agreement. The estimate shall be established in good faith, but shall not be a warranty or assurance of any kind regarding the actual expenses which will be incurred. The preliminary budget estimate is intended to allow the Contractor to work with the County in order to assist it in its budgeting for expenses related to the Scope of Services in the following fiscal year. The Contractor shall also provide a projected SATS billing report for the following fiscal year.

The Contractor's price proposal for the Scope of Services (except for Future Plans) for the System, will be the initial Preliminary Budget Estimate, which is attached to this Agreement

as Exhibit 5.

The Preliminary Budget Estimate shall include comparisons to the current fiscal year with a summary of all recommended changes in compensation and staffing, if any, and include the following:

(A) The total number of employees of Contractor under this Agreement.

(B) A classification title and job description of each job to be preformed by employees of Contractor hereunder.

(C) The total number of employees who will be performing each job classification hereunder.

(D) The total wages or salary to be paid each employee hereunder according to job classification.

(E) The total fringe benefits including holidays and holiday pay, annual, sick and other types of leave, hospital and life insurance, retirement plan, and the like.

(F) Total prices for Agreements with Vendors.

(G) Estimated total subcontractor prices.

(H) Estimated total parts and materials prices.

(I) Total spare parts carrying costs.

(J) Estimated total Reimbursable Expenses.

2. **Pricing of Employee Expenses by the Contractor**

Contractor shall not change, alter or modify any of the following, without the prior written approval of the Department:

A. The total number of employees of Contractor used to perform the services hereunder.

B. The classification and job description of each job to be performed by employees of Contractor used to perform the services hereunder.

C. The number of employees who will be performing each job classification hereunder.

D. The wages or salary to be paid each employee hereunder according to job

classification.

E. The fringe benefits including holidays, holiday pay, overtime policy, annual, sick, and other types of leave, and health and life insurance.

F. The maximum number of entry level employees retained by the Contractor during any twelve-month period.

3. **Changes in Employee Expenses by the Department**

The Department may, at any time, upon fifteen (15) days written notice, require the Contractor to change, alter or modify any or all of the following:

A. The total number of employees of Contractor paid for by the County according to the provisions hereunder, subject to the provisions of the Personnel section of this Agreement, article 9, subarticle 1.

B. The classification title and job description of each job to be performed by employees of Contractor hereunder, provided that the County shall compensate the Contractor for any increased compensation due employees as a result of an increase in title or job description.

C. The number of employees who will be performing each job classification hereunder, provided that the County shall compensate the Contractor for any increased compensation due employees as a result of an increase in the number of employees, and that no reduction occurs which causes the number of employees performing in a different job classification to become insufficient, to perform the services required in that other classification.

If any such change, alteration or modification results in an increase or decrease in employee expenses, then the compensation as defined in the Payments and Cost Reimbursements article shall be adjusted accordingly by the Department.

4. **Meetings and Reports**

A. Meetings. The Contractor's management team will be required to attend periodic meetings as required with Tenants and MDAD to discuss on-going status of various projects. This also includes daily exposure to Tenants and MDAD users to perform field surveys and determine the scope of work required to provide requested services for various projects as well as routine day to day MAC service requests. The Contractor shall maintain daily contact with the Tenants when appropriate, to ensure the timely completion of service requests.

B. Reporting. The following list represents mandatory reports that the County requires at the listed interval or as requested by MDAD. Samples and

formats of the reports shall be provided by the Contractor no later than fifteen (15) days after the execution of the Agreement. The format of all reports shall be approved by the Department.

(i) OCCURRENCE REPORTS

- Parts Price List - *As Requested.*
- Circuit Cut-Sheets - *As Requested.*
- Custom Cable Record Reports - *As Requested.*

(ii) MONTHLY REPORTS

- Average response time for major and minor failures categorized by regular and after hour activity.
- Percent of work orders completed within specific time frames.
- List of completed and pending work orders.
- Order Report which outlines number of hours by labor type and activity for all personnel.
- Availability Reports which outline availability of all circuit types/ports, PBX switches, trunks, fiber links, network and other major systems.
- 30/60/90 Day Invoice
- SATS Billing Report, which will include the following information:

  (a) Dates of transactions.
  (b) Dollar values of transactions (both billing rates as well as cost calculations and support).
  (c) Invoice date and number.
  (d) Separate CUTE billing.

- Monthly Financial Statement, reflecting SATS expenses and SATS billings incurred pursuant to this Agreement.
- Preventive Maintenance Inspection Reports that outline what is done to maintain manufactured suggested maintenance for equipment covered under this contract.
- Audit Reports that detail results of locations and circuit types tested/audited for cable record accuracy. These activities are aimed at ensuring accurate cable records and recovering existing cable plant not in use.
- Circuit Capacity Reports that outline circuit types / amounts / % capacity for various locations

(iii) QUARTERLY REPORTS

- Reports that outline total amounts invoiced by activity type outlined in Invoice matrix. Reports shall also indicate number of hours expended by labor type towards that specific activity.

- Equipment Inventory - Includes PBX, network, and Gigabit Ethernet® Components / Systems and sparing levels.
- Contractor Staffing Organization Chart
- Contractor Staffing Contact / Notification List

(iv) ANNUAL REPORTS

- The Contractor shall submit a configuration and change management procedural plan on a yearly basis for review and approval by MDAD.
- Marketing and customer service plan
- Revenue and billing management plan
- Annual budget

5. **Other Reports**

The Department may request the Contractor to provide other reports which may or may not be generated by the Contractor in the normal course of operations.

6. **Records**

The Contractor shall deliver copies of all original documents and records required to be maintained pursuant to this Agreement or necessary to perform the Services no later than fifteen (15) days after the request for the documents or records. Upon request and during regular business hours, the Department shall be provided all documents and records required to be maintained pursuant to this Agreement, and permitted to inspect such documents and records. Copies of the specific documents shall be provided at the cost of the Department. Further, if and to the extent that any other records are required to be furnished under Chapter 119, Florida Statutes, the Contractor shall provide same. The Department may require the Contractor to provide all documents and records required to be maintained pursuant to this Agreement, including, but not limited to, inspection reports, progress reports and financial records.

ARTICLE 12
PAYMENTS AND COST REIMBURSEMENTS

The monies paid the Contractor shall be determined as set forth in subarticles 2 and 3 below, and may be greater or less than the Preliminary Budget Estimate.

1. **Acquisition costs**

a. The County will purchase on February 6, 2002 and Contractor will transfer the unencumbered title to all assets used in connection with the ELM Agreement as described in Schedule A to that Agreement, in addition to any required licenses or permit transfer fees, upon payment by the County of $3,250,000 to the Contractor.

b. The County will purchase on February 6, 2002 and Contractor will transfer the unencumbered title to all assets used to provide services pursuant to the SATS Agreement as described in Schedule E of the SATS Agreement, in addition to any required licenses or permit transfer fees, upon payment by the County of $3,100,000 to the Contractor.

c. The telecommunications, data network, and CUTE infrastructure, software, licenses, permits, and other assets to be purchased by the County on February 6, 2002, (collectively, the "Assets"),shall be in good working order, subject to normal wear and tear. The County recognizes that the Assets are used and that, therefore, the Contractor makes NO OTHER WARRANTY, EXPRESS OR IMPLIED, AS TO MERCHANTABILITY OR THE FITNESS OF THE ASSETS FOR A PARTICULAR USE beyond ninety (90) days, provided that there has been no modification or alteration of the Assets by or at the direction of the County within the ninety (90) period.

d. The County will on February 6, 2002 pay the sum of $100,000 to the Contractor in accordance with Article 6C of the ELM Agreement.

e. The County will on February 6, 2002 pay all ELM Agreement invoices due the Contractor that are outstanding and remitted to the County prior to January 1, 2002. All invoices received on or after January 1, 2002 will be paid on a timely basis. The County is neither liable for nor will pay any portion of an ELM Agreement invoice which either contained or contains a subcontractor labor mark-up of greater then seven and one-half percent (7 ½ %).

f. The Parties shall, on February 6, 2002, exchange mutual releases of any and all claims arising from the ELM Agreement and the SATS Agreement, except for the monies payable to the Contractor pursuant to clause (e) above and any SATS revenue owed to either the County or the Contractor from the other party based upon the completion of the SATS revenue audit.

2. **Management Fee**

a) **Basic Scope of Services**

Except for the compensation for project management services and reimbursements, the Contractor shall be paid a management fee (the "Management Fee") to provide for all of the operations, management, maintenance, service, support and procurement services, including all Agreements with Vendors associated with the telecommunications systems provided in Exhibit 6, of the telecommunications and data network infrastructure, hardware and software systems as herein described in this Agreement. This Management Fee shall include the Contractor's profit and overhead for these services, a staff transition cost for the first year of this Agreement, and a spare parts carrying charge.

1. The County shall pay to the Contractor, as consideration for managing and providing the services required herein, an annual Management Fee of $ 6,144,067 payable in arrears and in equal monthly payments of $ 512,005.58, upon billing by the Contractor in accordance with this article. The payments for any partial month shall be prorated.

   Such Management Fee may be increased only when the existing work force is unable to perform the services without a degradation in the System, and under the following circumstance for additional services rendered:

   If, as a result of the County's Capital Improvement Program ("CIP"), the Services provided by the Contractor hereunder increases, and/or when otherwise approved in accordance with this Agreement (for example changes in employees' expenses), the County shall increase the monthly Management Fee in an amount commensurate to the increase in the Contractor's Services. If the Contractor believes that additional personnel are needed to perform the Services, or that Agreements with Vendors need to be added, or that existing Agreements with Vendors need to be changed, the Contractor shall submit a proposal request that includes justification and a cost proposal to the County, and the County may increase the monthly Management Fee accordingly.

   The County reserves the right to review the Contractor's operations and if the System requirements increase or decrease, the County may, subject to subarticles 9.1 and 11.3, correspondingly increase or reduce the Management Fee based upon an addition or reduction in the Contractor's staffing requirements, or change in Agreements with Vendors. The Contractor shall calculate changes in the Management Fee by using the base salary of the employee according to job classification ("Direct Salaries") as reported to the Director of the United States Internal Revenue Services, times a 2.73 multiplier of such Direct Salaries and taking into account changes in Agreements with Vendors. The 2.73 multiplier is all inclusive, and compensates Contractor for all expenses directly or indirectly related to that employee's compensation, including but not limited to, social security, medicare, health insurance, unemployment, all benefits, and National Technical Resource Center ("NTRC"), and associated facilities provided to the employee such as vehicles, office equipment, office supplies, furnishing, and test equipment, plus all Contractor's overhead and profit; all of which items are included in the lump sum Management Fee.

2. The above Management Fee includes the Agreements with Vendors compensated by the agreed fixed dollar amount plus fourteen percent (14%).

3. Spare parts carrying charge equal to ten percent (10%) times the Spare Parts cost calculated and payable monthly.

4. The Management Fee will be adjusted to reflect a four percent (4%) increase in the salaries of the Contractor's personnel for the second year. The Management Fee may be adjusted based upon the total value of the Spare Parts Inventory.

b) **Project Management Services**

When subcontracting is required, authorized in accordance with the Scope of Services article of this Agreement, and the Contractor has competitively bid out the work order(s), the Contractor agrees to an agreed fixed dollar amount of compensation (the sum of the lowest responsive and responsible subcontractor bids) plus fourteen percent (14%) of the price of the subcontractor work, as compensation for the Contractor's management of the work supplied.

The County shall have no obligation to pay the Contractor any additional sum in excess of this lump sum amount, except for a change and/or modification to work order(s) approved and executed in writing by the County and the Contractor.

All Services undertaken by the Contractor before the County's approval of the respective work order shall be performed at the Contractor's sole risk and expense.

c) The Contractor shall receive compensation of ten percent (10%) of new billings for the term of this Agreement for SATS services as provided in the Marketing and Customer Service Plan. The Contractor's compensation related to SATS customers expires at the termination of this Agreement.

3. **Reimbursements**

All Reimbursable Expenses shall be approved in advance by the Department. The Contractor shall represent and warrant on each invoice that it submits for payment of a reimbursable item, that it has no interests, directly or indirectly, in the reimbursable products or services that have not been disclosed in writing and approved by the County, and that all direct or indirect discounts related to the purchases have been provided to the County. Payment for Reimbursable Expenses may be requested monthly and shall be made on duly certified invoices listing such expenses and substantiated by supporting documentation. The Contractor shall be entitled to the following direct reimbursements without any additional Contractor's mark-up of any kind except where noted:

a. Procurement of Material, Equipment and Inventory: The Contractor shall submit to Department, for each item purchased, the item, the price and a grand total, including the amount of freight and tax, and the work order number..

b. Airport Customs security bond.

c. When an on-site technical training course is requested, the County will pay for the

cost of the training class, Contractor's instructor's air-fare, lodging and meals during the training session, in accordance with Section 112.061, Florida Statutes.

d. In the event that the Contractor responds to trouble calls from the CRC, the Contractor will be compensated at one and one-half (1.5) times the chargeable rate for that employee ($100 per hour chargeable for voice personnel and $130 per hour for data personnel, each multiplied by the applicable amount) for work performed after hours Monday through Sunday and two (2) times the chargeable rate for that employee for work performed on Contractor Holidays.

e. The Management Fee described above already incorporates the payment of regular hours of all personnel. For the payment of approved overtime, however, the reimbursement to the Contractor will be paid in the amounts provided in clause (d) above, and shall be based upon the chargeable rate for that employee times one and one-half (1.5) for work performed after hours Monday through Sunday and 2.0 for work performed on Contractor Holidays. There shall be no overtime payment for any management and/or supervisory personnel.

f. Parking reimbursement for Contractor's employees.

4. Subcontractors and Agreement with Vendors

All subcontractors and Agreement with Vendors shall be approved in advance by the Department. The Contractor shall represent and warrant on each invoice that it submits for payment of the following listed items, that it has no interests, directly or indirectly, in the referenced products or services that have not been disclosed in writing and approved by the County, and that all direct or indirect discounts related to the purchases have been provided to the County. Payment for subcontractors and Agreement with Vendors may be requested monthly and shall be made on duly certified invoices listing such expenses and substantiated by supporting documentation, and which shall include the original subcontractor or Agreement with Vendor invoice(s). The Contractor shall be entitled to monthly payments of its invoices related to the following items:

a. Subcontractors, when approved by the Manager, are necessary for the accomplishment of the Services. Other than the Project Management Services described above, if subcontractor(s) are needed for any Service, the cost of the subcontractor will be reimbursed to the Contractor at cost plus fourteen percent (14%).

b. The Costs associated with variable Agreements with Vendors will be reimbursed to Contractor at cost plus fourteen percent (14%).

5. **Non-reimbursable Expenses**

Unless specifically authorized in writing in advance by the Department, the Contractor shall not be reimbursed for expenses of the following type or kind:

a. The Contractor's legal and accounting fees.

b. Charitable and political contributions.

c. Travel (except when approved in advance for training services) and entertainment.

d. Corporate public relations, gifts, dues, subscriptions, and memberships.

e. Any penalties, assessments or fines issued by any court or authorized government entity or agency, unless such penalty, assessment, or fine results from the direct action or inaction of the County, provided however, that the County will not be liable for such amounts when acting in its governmental capacity.

6. **Cash Losses or Losses from Employee Theft**

All cash losses or losses from employee theft shall be the responsibility of and be reimbursed by the Contractor.

7. **Prompt Payment**

The Contractor shall be responsible for making prompt and timely payment of all obligations arising out of this Agreement, to maximize the potential for available discounts and rebates, and comply with the Florida Prompt Payment Act, Part VII, Chapter 218, Florida Statutes. All discounts, allowances, and rebates paid or received hereunder shall be to the credit and benefit of the County. The Contractor shall pay from its own funds any penalty, fine or like assessment resulting from any late, delinquent, or delayed payment of an obligation hereunder; provided, the Contractor has not been unduly delayed in making payment of such obligation by action or inaction of the County.

8. **Method of Billing and Payment**

Contractor may submit monthly statements as set forth in this article on a monthly basis, ***but only after*** the Services for which the monthly summary statements are submitted have been completed. An original monthly summary statement as set forth in the subarticle below is due within thirty (30) days of the end of the month, except the final invoice which must be received no later than sixty (60) days after this Agreement terminates or expires. Invoices shall designate the nature of the Services performed and/or the expenses incurred.

a. Prior to submitting its first invoice, the Contractor shall submit a sample format of

its monthly-itemized summary statement and invoice for the Department's review and approval for use for this Agreement.

The Contractor will provide itemized billings for purchases made on behalf of, and authorized by MDAD. These itemized billings shall be sufficiently detailed to establish the cost to the County of individual components supplied.

All invoices for subcontracted labor costs shall have attached supporting invoices with details of personnel employed, hours worked, amounts paid and such other information as necessary to ensure compliance with the terms of this Agreement.

b. Invoices and payments are to be mailed to:

Miami-Dade County - MDAD Accounting Division
PO Box 592075
Miami, FL 33159-2075

c. The County shall pay the Contractor within forty-five (45) calendar days of receipt of the Contractor's invoice, pursuant to Section 218.74, Florida Statutes and Section 2-8.1.4(4)(b), Code of Miami-Dade County, Florida (1994). All invoices must comply with the requirements set forth in this Agreement and must be submitted on the form and pursuant to instructions prescribed by the Project Manager. Payment may be withheld or delayed for failure of the Contractor to comply with a term, condition, or requirement of this Agreement. Within the time for payment, County shall deliver written notice to Contractor setting forth the specific reasons why any portion(s) of an invoice are not being paid. Interest on improperly delayed payments shall be paid at the rate of one percent (1%) per month, and commence thirty (30) days after the due date of the payment.

Payment shall be made to Contractor at:

NextiraOne, LLC
21398 Network Place
Chicago, IL 60673-1213

d. Except as specifically permitted under the Subcontractual Relations article of this Agreement, the County shall not offset an amount claimed to be due, against an invoice which otherwise is payable in accordance with this article.

e. The Parties will comply with Section 196.295, Florida Statutes.

9. **Payments to the County**

The SATS Agreement will be terminated on February 6, 2002, and the Contractor shall upon completion of the SATS revenue audit currently being conducted, pay to MDAD any amounts found to be due and owing and vice versa if the audit shows an underpayment.

The Contractor will pay to the County the sum of $110,000 on February 6, 2002, on account of excess space occupied without lease by the Contractor in Building 3030 at MIA for the period from November 1, 1997 up to and including February 6, 2002.

ARTICLE 13
SOFTWARE LICENSE

The County and the Contractor recognize that title to and ownership of the existing Equipment used in connection with the ELM Agreement or to provide services pursuant to the SATS Agreement as described on Schedule A to the ELM Agreement and Schedule E to the SATS Agreement, as of February 6, 2002 is held by and in the County and that such Equipment is computer hardware and software used for telecommunications and data network purposes. The Contractor has assigned all of its software licenses and permits (collectively, the "Licensed Software") to the County, which are assignable.

1. **Joint Obligations**

a. The County will keep the Software licenses for the Equipment in full force and effect during the term of this Agreement. Contractor will do nothing on its part during the term of this Agreement that will cause such license(s) to be terminated by the licensor or diminish the County's rights to use such license(s) in accordance with the terms and conditions as set forth in the Licensed Software.

b. **Contractor's Warranty and Maintenance Obligations Unaffected**

Nothing contained in this article shall diminish, extinguish, or relieve the Contractor from its responsibilities and obligations to provide maintenance pursuant to this Agreement, including, but not limited to, providing maintenance for the Licensed Software, and the payment of any and all costs for such license maintenance to the licensor, or others as may be required. Contractor's right to maintain the Equipment is conditioned and contingent upon the County's having valid licenses for the Software, or other software, pertaining to such Equipment.

c. Certain software suppliers license on a nonexclusive basis to the Contractor, and the Contractor also develops software or has software developed for it by third parties. All such software is and will remain the property of Contractor or its third party suppliers. Contractor, with respect to the software it develops, and to the extent authorized under the supplier licenses, grants the County, for such software a personal, nontransferable and nonexclusive sublicense to use the software (including related documentation), for the life of the particular System or Equipment to which such software is related, solely to maintain, use and operate such System for which the software is initially furnished, provided the County:

(i) except where required by law, does not allow any aspect of the software to be disclosed to a third party without the Contractor's written consent;

(ii) uses the software solely for County's governmental and business purposes in the operation of the Equipment or any new Equipment provided by the Contractor which are part of the System;

(iii) does not copy or reproduce any of the software without the Contractor's consent, except to the extent necessary for (A) archival and back-up purposes and (B) the operation and/or use of the System to the extent allowed or authorized by the Contractor or third party licenses, and except as allowed by law, does not attempt to develop any source code from the software, nor reverse engineer, decompile, disassemble, reverse translate, or otherwise translate the software into human readable form; and

(iv) returns to the Contractor or erases or destroys any software and any media being recycled or discarded upon the expiration of the licenses granted hereunder.

2. County to Execute License Agreements

The County understands that suppliers of software including the Contractor may require the County to execute license agreements in order to use the software. Contractor understands that the County is a governmental entity and may not be able to execute such an agreement, as a matter of law or administrative policy among other things, because of the terms and provisions contained therein. In the event Equipment to be supplied by the Contractor requires the County to execute a separate software license agreement, whether with the Contractor or a third party supplier of such software, then the Contractor will notify the County of such circumstances, and provide the County with a copy of the software license agreement. Contractor will not provide the County with any Equipment, System or Sub-System where the operation or use thereof is contingent upon the executed license agreement, unless and until the County has informed the Contractor that the County is willing and able to execute such license agreement.

ARTICLE 14
NATURE OF THE AGREEMENT

The Contractor shall provide the Services set forth in the Scope of Services, and render full and prompt cooperation with the County in all aspects of the Services performed hereunder.

The Contractor acknowledges that this Agreement requires the performance of all things necessary for or incidental to the effective and complete performance of all work and Services under the Agreement. All things not expressly mentioned in this Agreement, necessary to either enforce or carrying out its purpose and intent are implied, and the Parties shall perform the same as though they were specifically mentioned, described and delineated.

The Contractor shall furnish all labor, materials, tools, supplies, and other items required to perform the work and Services that are necessary for the completion of this Agreement. All work and Services shall be accomplished at the direction of and to the satisfaction of the County's Project Manager.

The Contractor acknowledges that the County shall be responsible for making all policy decisions regarding the Scope of Services. The Contractor agrees to provide input on policy issues in the form of recommendations. The Contractor agrees to implement any and all changes in providing Services hereunder as a result of a policy change implemented by the County. The Contractor agrees to act in an expeditious, fiducial, and fiscally sound manner in providing the County with input regarding the time and cost to implement said changes and in executing the activities required to implement said changes.

The Contractor shall not have liability for the immediate or long-term effects of matters related to any action or inaction by the Department. Further, if a lawsuit is brought against the Contractor, by a third party that is neither an employee nor supplier of the Contractor, and the claim is based upon the Contractor's action or inaction which occurs based upon the Department's action or inaction under this Agreement, then the Contractor may bring a Third-Party claim against the County.

ARTICLE 15
MANNER OF PERFORMANCE

The Contractor shall provide the Services described herein in a competent and professional manner satisfactory to the County in accordance with the terms and conditions of this Agreement. The County shall be entitled to a satisfactory performance of all Services described herein and to full and prompt cooperation by the Contractor in all aspects of the Services. At the request of the County the Contractor shall promptly remove from the project any Contractor's employee, subcontractor, or any other person performing Services hereunder. The Contractor acknowledges that such removal of any of its employees does not require the termination or demotion of any employee by the Contractor.

The Contractor represents that based upon its initial staffing recommendation, it will employ, maintain and assign to the performance of the Services a sufficient number of competent and qualified professionals and other personnel to meet the initial requirements under this Agreement. The Contractor agrees to adjust its personnel staffing levels or to replace any of its personnel if so directed upon reasonable request from the County, should the County make a determination, in its sole discretion, that said personnel staffing is inadequate or inappropriate, or that any individual is not performing in a manner consistent with the requirements for the position.

The Contractor warrants and represents that its personnel have the proper skill, training, background, knowledge, experience, rights, authorizations, and licenses as necessary to

perform the Services described herein.

The Contractor shall at all times cooperate with the County, and coordinate its work efforts and those of its subcontractors, to most effectively and efficiently maintain the progress in performing the Services. Similarly, the County shall at all times cooperate with the Contractor and coordinate its work efforts, and those of the County's independent contractors, to most effectively and efficiently maintain the progress in the Contractor's performance of its Services.

The Contractor shall comply with all provisions of all Federal, State and County laws, statutes, ordinances, and regulations that are applicable to the performance of this Agreement.

ARTICLE 16
TERM OF AGREEMENT

The Agreement shall become effective on the date written on page 1 and shall be for a duration of twenty-four (24) months. The County may terminate the Agreement with or without cause on thirty (30) days written notice to the Contractor, provided however, that the Agreement shall have a minimum term of no less than eighteen (18) months unless terminated earlier for cause.

ARTICLE 17
CONTRACTOR REPRESENTATIONS AND WARRANTIES

The Contractor represents and warrants it shall transfer the unencumbered title to all telecommunications, data, and CUTE infrastructure, software, licenses, permits, and other assets used in connection with the ELM Agreement or to provide services pursuant to the SATS Agreement as described on Schedule A to the ELM Agreement and Schedule E to the SATS Agreement, as of February 6, 2002. For purposes of this Agreement, the Parties recognize that due to the complexity of the network and the many thousands of items contained therein, Schedules A and E do not include every item and may include some items which are not present.

The Contractor represents and warrants it shall assign to the County all of its rights under a license/agreement entered into between WilTel Communications LLC and Societe Internationale de Telecommunications Aeronautique ("SITA") dated August 6, 1997. At MDAD's option, the Contractor shall, rather than deliver an assignment of its rights, terminate its license arrangements with SITA, at the Contractor's expense. The assignment of the SITA license is subject to SITA's consent.

The Contractor represents and warrants the Assets are in good working order, as of February 6, 2002, subject to normal wear and tear. The Contractor indemnifies the County for those assets that are not in good working order, subject to normal wear and tear.

The Contractor shall indemnify the County with respect to any prospective or outstanding

claims, set off, or payments due, with respect to its operation of the Shared Airport Tenant Services and CUTE systems up to and including February 6, 2002.

The Contractor represents and warrants that all permits and software licenses necessary for the operation of all elements of the telecommunications, data, CUTE, and shared tenant services systems will, at MDAD's option, be issued or assigned to the County. MDAD will pay any transfer fees associated with the transfer of such permits and licenses excluding the Contractor's own costs.

ARTICLE 18
PROJECT MANAGER AND RESOLUTION OF DISPUTES

The County will assign a Project Manager to coordinate all County responsibilities under this Agreement. All instructions from the County to the Contractor, shall be issued by or through the Project Manager. Except for MDAD Information Systems and Telecommunications Division, and SATS customers, the Contractor shall notify any other person who attempts to give instructions that he or she must communicate with the Project Manager or Manager. The authority of the Project Manager is as follows:

a) The Project Manager will determine: (i) questions as to the value, acceptability and fitness of the Services; (ii) questions as to either party's fulfillment of its obligations under the Agreement; and (iii) questions as to the interpretation of the Scope of Services.

b) Contractor acknowledges and agrees that the Project Manager has no authority to make changes that would modify the Scope of Services to be provided under this Agreement.

c) The Contractor shall be bound by the determinations or orders specifically authorized under this Agreement and shall promptly obey and follow every order of the Project Manager specifically authorized under this Agreement, including the withdrawal or modification of any previous order and regardless of whether the Contractor agrees with the Project Manager's determination or order. Where orders are given orally, they will be issued in writing by the Project Manager as soon thereafter as is practicable.

d) The Contractor must first seek to resolve every difference concerning the Agreement with the Project Manager, for a period of thirty (30) days or such longer period as agreed upon by the Parties, which shall be a condition precedent to any lawsuit permitted hereunder. In the event the Contractor seeks to contest an issue or difference for which there has been administrative review by the Project Manager, such subsequent lawsuit shall be considered a *de novo* proceeding.

ARTICLE 19
COUNTY EXPENDITURE AUTHORITY

The dollar thresholds for obtaining project management services, procurement of material, equipment and inventory, and an increase in the management fee and appropriate authority levels are described as follows:

A. **PURCHASES OF GREATER THAN $500,000**
APPROVAL AUTHORITY: BOARD OF COUNTY COMMISSIONERS
The Board shall award all contracts greater than $500,000, and approve all contract modifications required of this Agreement.

B. **PURCHASES OF $100,000 UP To $500,000**
APPROVAL AUTHORITY: MDAD DIRECTOR
Each individual purchase of $100,000 or more and each continuing contract which can reasonably be anticipated to aggregate $100,000 or more within twelve (12) months.

C. **PURCHASES OF $5,000 BUT LESS THAN $100,000**
APPROVAL AUTHORITY: MDAD ASSISTANT DIRECTOR
Each individual purchase of $5,000 but less than $100,000 and each continuing contract which can reasonably be anticipated to be within this range within twelve (12) months.

D. **SMALL PURCHASE ORDER (LESS THAN $5,000)**
APPROVAL AUTHORITY: MANAGER
Each individual purchase request with a total value of less than $5,000, for a specific commodity, during one (1) fiscal year.

ANY CHANGE, MODIFICATION, ADDITIONAL SERVICE, EQUIPMENT OR PARTS THAT CAUSES THE FINANCIAL OBLIGATION OF THE COUNTY TO EXCEED THE AMOUNT OF AUTHORITY OF THOSE NOTED ABOVE SHALL BE PRESENTED FOR APPROVAL TO THE NEXT HIGHER AUTHORITY LEVEL. IF THE CONTRACTOR FAILS TO OBTAIN THE PROPER AUTHORIZATION AS DESCRIBED ABOVE, THEN THE COUNTY SHALL BE ABSOLVED FROM PAYMENT OF THE LIABILITY.

ARTICLE 20
SUBCONTRACTUAL RELATIONS

If the Contractor will cause any part of this Agreement to be performed by a subcontractor, the provisions of this Agreement will apply to such subcontractor and its officers, agents and employees in all respects as if it and they were employees of the Contractor; and the Contractor will not be in any manner thereby be discharged from its obligations and liabilities hereunder, but will be liable for all acts, omissions, or negligence of the subcontractor, its officers, agents, and employees, as if they were employees of the Contractor. The services performed by the subcontractor will be subject to the provisions hereof as if performed directly by the Contractor.

The Contractor, before making any subcontract for any portion of the Services, will state

in writing to the County the name of the proposed subcontractor, the portion of the Services that the subcontractor is to do, the place of business of such subcontractor, and such other information as the County may require. The County has the right to require the Contractor not to award any subcontract to a person, firm or corporation disapproved or debarred by the County.

Before entering into any subcontract hereunder, the Contractor will inform the subcontractor of all provisions and requirements of this Agreement relating either directly or indirectly to the Services to be performed. Such services performed by such subcontractor will strictly comply with the requirements of this Agreement.

In order to qualify as a subcontractor satisfactory to the County, in addition to the other requirements herein provided, the subcontractor must be prepared to prove to the satisfaction of the County that it has the necessary facilities, skill and experience, license(s), and ample financial resources to perform the Services in a satisfactory manner. To be considered skilled and experienced, the subcontractor must show to the satisfaction of the County that it has satisfactorily performed services of the same general type that is required to be performed under this Agreement.

The County shall have the right to withdraw its consent to a subcontract if it appears to the County that the subcontract will delay, prevent, or otherwise impair the performance of the Contractor's obligations under this Agreement. All subcontractors are required to protect the confidentiality of the County and County's proprietary and confidential information. Contractor shall furnish to the County copies of all subcontracts between the Contractor and subcontractors hereunder.

The Contractor shall, where agreed to by the subcontractor, insert a clause for the benefit of the County within each respective subcontract, which permits the County to request completion of performance by the subcontractor of its obligations under the contract. Contractor agrees that the County shall be permitted to request completion of performance by the subcontractor of its obligations under the subcontract, in the event that the Contractor is in breach of its obligations, and the option to pay the subcontractor directly for the performance by such subcontractor. Should either the Contractor or subcontractor(s) violate the terms of this article, the County may order all or any part of the subcontract work stopped, and may elect to complete the work itself or enter into an agreement with a third party to have the work completed. The Contractor's obligation to reimburse the County for the cost to complete the work, will only exist to the extent that said cost exceeds the amount which would have been payable to the Contractor in connection with the work which was stopped. The excess cost to complete the work may be deducted from any unpaid balance payable to the Contractor. If there exists no unpaid balance, or if the completion cost is in excess of the unpaid balance, the Contractor shall reimburse the County for this sum, plus any costs of collection. The Contractor shall be entitled to be paid for work performed to the time the work was stopped by the County. Notwithstanding, the foregoing shall neither denote, connote, nor convey any obligation or liability on the part of the County to any subcontractor.

NOTHING CONTAINED IN THIS AGREEMENT SHALL CREATE ANY CONTRACTUAL RELATIONSHIP BETWEEN ANY SUBCONTRACTOR AND THE COUNTY, OR ANY OBLIGATION ON THE PART OF COUNTY TO PAY ANY SUMS TO ANY SUBCONTRACTOR.

ARTICLE 21
ASSIGNMENT

Neither this Agreement nor any interest herein shall be assigned, or transferred by either party without prior written consent of the other party and said consent shall not be unreasonably withheld.

The Contractor has assigned all of its SATS Airport rental and CUTE agreements, software license(s), and permits to the County as fully described in Exhibit 7 of this Agreement.

1. Contracts Assignable

All contracts, purchase agreements, and purchase orders entered into by the Contractor for the purchase of goods, capital equipment and services specifically pursuant to this Agreement, shall be assigned, with the consent of the subcontractor, by the Contractor to the County or others as designated by the Department, upon either the request of the Department or termination of this Agreement. If such contracts, purchase agreements and purchase orders contain language acceptable to the Department, reflecting that they are assignable as provided herein, then upon such assignment, the Contractor shall be relieved from any further responsibility to the County under such contracts, agreements and orders, provided however, that the Contractor shall be liable for and shall indemnify the County with respect to any prospective or outstanding claims, set off, or payments due, with respect to said contracts, agreements, and orders which accrued prior to such assignment to the County.

ARTICLE 22
PROPRIETARY INFORMATION

As a political subdivision of the State of Florida, Miami-Dade County is subject to the stipulations of Florida's Public Records Law, Chapter 119, Florida Statutes.

The Contractor acknowledges that all computer software in the County's possession may constitute or contain information or material which the County has agreed to protect as proprietary information from disclosure or unauthorized use, and may also constitute or contain information or material which the County has developed at its own expense, the disclosure of which could harm the County's proprietary interest therein.

The County acknowledges that software licensed by the Contractor pursuant hereto may constitute or contain information or material which the County has agreed to protect as proprietary information from disclosure or unauthorized use, and may also constitute or

contain information or material which the Contractor has developed at its own expense, the disclosure of which could harm the Contractor's proprietary interest therein.

During the term of the Agreement, the Contractor and the County, except as required by Chapter 119, Florida Statutes, will not use directly or indirectly for itself or for others, or publish or disclose to any third party, or remove from the County's property, any computer programs, data compilations, or other software which the County or Contractor has developed, used or is using, is holding for use, or which is otherwise in the possession of the County (hereinafter the "Computer Software"). All third party license agreements must also be honored by the Contractor and its employees, and by the County, and if the Computer Software has been leased or purchased by the County, all third party license agreements must also be honored by the Contractor's employees. This includes mainframe, minicomputers, telecommunications, personal computers and any and all information technology software.

The Contractor will report to the County and the County shall report to the Contractor, any information discovered or disclosed to the Contractor or the County which may relate to the improper use, publication, disclosure or removal from the other's property of any information technology software and hardware, and will take such steps as are within the Contractor's or the County's authority, respectively, to prevent improper use, disclosure or removal.

ARTICLE 23
PROPRIETARY RIGHTS

All rights, title and interest in and to materials, data, Documentation, certain inventions, designs and methods, specifications and related thereto developed by the Contractor and its subcontractors, customized or created specifically for the County for use in connection with this Agreement (hereinafter referred to as "Developed Works"), shall become the property of the County. The Contractor hereby acknowledges and represents that the County retains all rights, title and interests in and to the Developed Works, and copies thereof furnished by the County to the Contractor hereunder, or furnished by the Contractor to the County and/or created by the Contractor for delivery to the County, even if unfinished or in process which are customized or created specifically for the Scope of Services provided herein and which are created as a result of the Services the Contractor performs in connection with this Agreement, including all copyright and other proprietary rights therein, which the Contractor as well as its employees, agents, subcontractors and suppliers may use only in connection of the performance of Services under this Agreement. The Contractor shall not, without the prior written consent of the County, use such Developed Works on any other project in which the Contractor or its employees, agents, subcontractors or suppliers are or may become engaged. Submission or distribution by the Contractor to meet official regulatory requirements or for other purposes in connection with the performance of Services under this Agreement shall not be construed as publication in derogation of the County's copyrights or other proprietary rights.

Accordingly, neither the Contractor nor its employees, agents, subcontractors or suppliers shall have any proprietary interest in such Developed Works. The Developed Works may not be utilized, reproduced, or distributed by or on behalf of the Contractor, or any employee, agent, subcontractor, or supplier thereof, without the prior written consent of the County, except as required for the Contractor's performance under this Agreement, or as required by law. The Contractor may, without use of the County's name, use any of the documentation not included in the Developed Works on any other project in which the Contractor is or may become engaged.

Except as otherwise provided above, or elsewhere herein, the Contractor and its subcontractors and suppliers hereunder shall retain all proprietary rights in and to all Licensed Software provided hereunder, that has not been customized to satisfy the performance criteria set forth in the Scope of Services. Notwithstanding the foregoing, the Contractor hereby grants, and shall require that its subcontractors and suppliers grant, if the County so desires, a perpetual, irrevocable and unrestricted right and license to use, duplicate, disclose and/or permit any other person(s) or entity(ies) to use all such Licensed Software and the associated specifications, technical data and other documentation for the operations of the County or entities controlling, controlled by, under common control with, or affiliated with the County, or organizations which may hereafter be formed by or become affiliated with the County. Such license specifically includes, but is not limited to, the right of the County to use and/or disclose, in whole or in part, the technical documentation and Licensed Software, including source code provided hereunder, to any person or entity outside the County for such person's or entity's use in furnishing any and/or all of the deliverables provided hereunder exclusively for the County or entities controlling, controlled by, under common control with, or affiliated with the County, or organizations which may hereafter be formed by or become affiliated with the County. No such Licensed Software, specifications, data, documentation or related information shall be deemed to have been given in confidence and any statement or legend to the contrary shall be void and of no effect.

ARTICLE 24
CONFIDENTIALITY

All Developed Works constitute confidential information and may not, without the prior written consent of the County, be used by the Contractor or its employees, agents, subcontractors or suppliers for any purpose other than for the benefit of the County, unless required by law. Neither the Contractor nor its employees, agents, subcontractors or suppliers may sell, transfer, publish, disclose, display, license or otherwise make available to others any part of the Developed Works without the prior written consent of the County.

The Contractor shall advise its employees, agents, subcontractors and suppliers who may be exposed to such Developed Works of their obligation to keep such information confidential and Contractor shall promptly advise the County, in writing if it learns of any unauthorized use or disclosure of the Developed Works by any of its current or former employees, agents, or subcontractors or suppliers. In addition, the Contractor agrees to cooperate fully and provide any assistance necessary to ensure the confidentiality of the

Developed Works.

It is understood and agreed that in the event of a breach of this article, damages may not be an adequate remedy, and the County shall be entitled to injunctive relief to prevent any such breach or threatened breach. Unless otherwise requested by the County, upon the completion of the Services performed hereunder, the Contractor shall immediately return to the County all such Developed Works existing in tangible form, and no copies thereof shall be retained by the Contractor's employees, agents, subcontractors or suppliers without the prior written consent of the County. The Contractor may retain copies of the Developed Works for a period of up to one (1) year after the termination of this Agreement. For the period from one (1) year after the termination of this Agreement through five (5) years after the termination of this Agreement, the copies of the Developed Works will be held in escrow with Iron Mountain, or such other mutually accepted escrow agent, at the cost of the Contractor, and a withdrawal of the Developed Works will require the signature of the Parties. At the conclusion of the five (5) year period, the Developed Works shall be released to the County, unless the Contractor has notified the escrow agent that there is pending litigation, audit, or claim, in which event the Contractor shall have a right to access the Developed Works with the consent of the County which shall not to be unreasonably withheld. This Confidentiality article will survive the termination of this Agreement, and will be in effect for all periods, that the Contractor or the escrow agent retain copies of the Developed Works. The Contractor remains liable to the County for any breach of this article until all copies of the Developed Works have been returned to the County.

ARTICLE 25
ACCOUNTING RECORDS AND AUDIT PROVISIONS

The County shall have the right to audit those portions of the Contractor's books and records as necessary to ensure compliance with the Agreement in accordance with its terms, provided that in no event shall the County be entitled to examine records which would disclose information beyond that specifically related to this Agreement and the performance of Services hereunder. Such audit may take place during reasonable business hours for the period of the performance of this Agreement and for three (3) years after the final payment under this Agreement. The Contractor shall maintain as part of its accounting system, records of a nature and in a sufficient degree or detail to enable such audit to determine the payments for Services, personnel hours, personnel costs, and other expenses required to be documented under this Agreement. To the extent, that Chapter of 119 of the Florida Statutes is applicable to the Contractor, the Contractor shall be responsible to comply with same.

ARTICLE 26
IPSIG AND INSPECTOR GENERAL REVIEWS

1. Independent Private Sector Inspector General Reviews

Pursuant to Miami-Dade County Administrative Order No. 3-20, the Contractor is aware

that, when applicable, the County has the right to retain the services of an independent private sector Inspector General (the "IPSIG"), whenever the County deems it appropriate to do so. The County shall be responsible for the payment of these IPSIG services and for the payment of costs of Contractor related to actions by the IPSIG and/or the Office of the Inspector General for clerical staff time for obtaining and copying the documentation, and copying of documentation. Nothing contained in this provision shall impair any independent right of the County to conduct an audit or to review the operations, activities and performance of the Contractor as and to the extent as provided under this Agreement.

2. Inspector General

Pursuant to Miami-Dade County Ordinance No. 97-215, the County has established the Office of the Inspector General (the "Inspector General"), which is empowered to conduct random audits on all County contracts throughout the duration of each contract. Nothing herein shall limit the right of the Contractor to contest any action by the IPSIG or the Inspector General on any legal or equitable ground.

ARTICLE 27
EQUAL EMPLOYMENT OPPORTUNITY
NONDISCRIMINATION AND AFFIRMATIVE ACTION

1. Equal Employment Opportunity

The Contractor shall not discriminate against any employee or applicant for employment because of age, sex, race, color, religion, marital status, place of birth or national origin, ancestry, nor in accordance with the Americans with Disabilities Act, discriminate against any otherwise qualified employees or applicants for employment with disabilities who can perform the essential functions of the job with or without reasonable accommodation. The Contractor shall take affirmative actions to ensure that applicants are employed and that employees are treated during their employment without regard to age, sex, race, color, religion, marital status, place of birth or national origin, ancestry, or disability. Such actions include, but not limited to, the following: Employment, upgrading, transfer or demotion, recruitment, recruitment advertising, layoff or termination, rates of pay of other forms of compensation, selection for training including apprenticeship.

The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to the provided by the County setting forth the provisions of this Equal Employment Opportunity clause. The Contractor shall comply with all applicable provisions of the Civil Rights Act of 1964, Executive Order 11246 of September 24, 1965, as amended by Executive Order 11375, revised Order No. 4 of December 1, 1971, as amended, and the Americans with Disabilities Act. The Age Discrimination in Employment Act effective June 12, 1968, the rules, regulations and relevant orders of the Secretary of Labor, Florida Statutes 112.041, 112.042, 112.043 and Miami-Dade County Ordinance 75-46, Articles 3 and 4.

2. **Nondiscriminatory Access to Premises**

The Contractor, for itself, its personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree that: (1) no person on the grounds of race, color, sex, national origin or ancestry shall be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of the Premises; (2) that the Contractor shall use the Premises in compliance with all other requirements imposed by or pursuant to then enforceable regulations of the Department of Transportation, as amended from time to time.

3. **Breach of Nondiscrimination Covenants:**

In the Event it has been determined that the Contractor has breached any enforceable nondiscrimination covenants contained in Article – (1) Equal Employment Opportunity and (2) Nondiscriminatory Access to Premises above, pursuant to the complaint procedures contained in the applicable Federal Regulations, and the Contractor fails to comply with the sanctions and/or remedies which have been prescribed, the County shall have the right to terminate this Agreement pursuant to the Event of Default subarticle hereof.

4. **Nondiscrimination**

During the Performance of this Agreement, the Contractor agrees as follows: The Contractor shall, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to age, sex, race, color, religion, marital status, place of birth or national origin, ancestry, physical handicap or disability. The Contractor shall furnish all information and reports required by Executive Order 11246 of September 24, 1965, as amended by Executive Order 11375 and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to Contractor's books, records, accounts by the county and Compliance Review Agencies for purposes of investigation to ascertain by the compliance with such rules, regulations, and orders. In the event of the Contractor's noncompliance with the nondiscrimination clauses of this Agreement or with any of the said rules, regulations, and orders, this Agreement may be cancelled, terminated, or suspended in whole or in part in accordance with Event of Default subarticle hereof and the Contractor may be declared ineligible for further contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, as amended by Executive Order 11375 and such sanctions as may be imposed and remedies invoked as provided in Executive Order 11246 as amended or by rules, regulations, and orders of the Secretary of Labor, or as otherwise provided by law.

The Contractor will include Article 1 and 2 above in Contractor sub-contracts in excess of $10,000, unless exempted by rules, regulations or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, as amended by Executive Order 11375, so that such provisions will be binding upon each sub-contractor.

Dated 1/22/02

5. **Disability Nondiscrimination Affidavit**

By entering into this Agreement with the County and signing the Disability Nondiscrimination Affidavit attached hereto as Attachment No. 1, the Vendor attests that it is not in violation of the Americans with Disabilities Act of 1990 (and related Acts) or Miami-Dade County Resolution No. R0385-95. If the Contractor or any owner, subsidiary or other firm affiliated with or related to the Contractor is found by the responsible enforcement officer Courts or the County to be in violation of the Act or the Resolution, such violation shall render this Contract terminable in accordance with the Event of Default subarticle hereof. This Contract shall be void if the Contractor submits a false affidavit pursuant to this Resolution or the Contractor violated the Act or the Resolution during the term of this Contract, even if the Contractor was not in violation at the time it submitted its affidavit.

6. **Affirmative Action/Non Discrimination of Employment, Promotion and Procurement Practices (Ordinance No. 98-30)**

In accordance with the requirements of Ordinance No. 98-30, all firms with annual gross revenues in excess of $5 million seeking to contract with Miami-Dade County shall, as a condition of award, have a written Affirmative Action Plan and Procurement Policy on file with the County's Department of Business Development. Said firms must also submit, as a part of their proposals/bids to be filed with the Clerk of the Board, an appropriately completed and signed Affirmative Action Plan/Procurement Policy Affidavit (Form A-8.2)

Firms whose Boards of Director are representative of the population make-up of the nation are exempted from this requirement and must submit, in writing, a detailed listing of their Boards of Directors, showing the race or ethnicity of each board member, to the County's Department of Business Development. Firms claiming exemption must submit, as part of their proposal/bids to be filed with the Clerk of the Board, an appropriately completed and signed Exemption Affidavit (Form A-8.1) in accordance with Ordinance 98-30. These submittals shall be subject to periodic reviews to assure that the entities do not discriminate in their employment and procurement practices against minorities and women/owned businesses.

It will be the responsibility of each firm to provide verification of their gross annual revenues to determine the requirement for compliance with the Ordinance. Those firms that do not exceed $5 million annual gross revenues must clearly state so in their bid/proposal.

7. **Contract Measures**

No Contract Measures are applicable for this Management Agreement.

ARTICLE 28
INDEMNIFICATION

1. **Indemnification And Hold Harmless**

The Contractor shall indemnify and save the County, its officers, employees, agents and authorized representatives, harmless from any and all claims, liability, losses, damages, and causes of action which may arise out of the performance of this Agreement by the Contractor, except to the extent such act is caused by the County's negligence. The Contractor shall pay all claims and losses of any nature whatsoever in connection therewith and shall investigate and defend all claims, suits, and actions of any kind or nature in the name of the County, its employees, agents and authorized representatives where applicable, including appellate proceedings, and shall pay all costs, judgments and attorneys fees which may be issued thereon. Nothing contained in this provision shall be construed so as to require the Contractor to indemnify the County's employees, agents and authorized representatives for their own negligence. The Contractor expressly understands and agrees that any insurance protection required by this Agreement or otherwise provided by the Contractor shall in no way limit the responsibility of the Contractor to indemnify, keep and save harmless and defend the County or its officers, employees, agents and instrumentalities as herein provided. This provision shall survive early cancellation or termination of this Agreement.

2. **County Liability**

The County is a state agency or political subdivision as defined in Section 768.28, Florida Statutes, and agrees to be fully responsible for acts and omissions of its agents or employees to the extent permitted by law. Nothing herein is intended to serve as a waiver of sovereign immunity, nor shall it be construed as consent by a state agency or political subdivision of the State of Florida to be sued by third parties in any manner whether arising out of this Agreement or any other contract. The County acknowledges that it will not raise sovereign immunity as a defense to a contractual claim under this Agreement.

ARTICLE 29
PATENT AND COPYRIGHT INDEMNIFICATION

The Contractor warrants that to the best of its actual knowledge, all deliverables furnished hereunder, including but not limited to: equipment programs, Documentation, software, analyses, applications, methods, ways, processes, and the like, do not infringe upon or violate any patent, copyrights, service marks, trade secret, or any other third party proprietary rights.

The Contractor shall be liable and responsible for any and all claims made against the County for infringement of patents, copyrights, service marks, trademarks, trade secrets or any other third party proprietary rights, by the use or supplying of any of the Contractor's or Contractor subcontractor's programs, documentation, software, analyses, applications, methods, ways, processes, and the like, used in the course of performance or completion

of, or in any way connected with, the work or the County's continued use of the deliverables furnished hereunder. Accordingly, the Contractor at its own expense, including the payment of attorney's fees, shall indemnify, and hold harmless the County and defend any action brought against the County with respect to any claim, demand, cause of action, debt, or liability.

In the event any deliverable or anything provided to the County hereunder, or portion thereof is held to constitute an infringement and its use is or may be enjoined, the Contractor shall have the obligation to use its best efforts to (i) modify, or require that the applicable subcontractor or supplier modify, the alleged infringing item(s) at its own expense, without impairing in any respect the functionality or performance of the item(s), or at Contractor's sole option (ii) procure for the County, at the Contractor's expense, the rights provided under this Agreement to use the items(s).

The Contractor shall not knowingly infringe any copyright, trademark, service mark, trade secrets, patent rights, or other intellectual property rights in the performance of the Services.

ARTICLE 30
INSURANCE

The Contractor shall furnish to the County's Risk Management Division, Certificate(s) of Insurance which indicate that insurance coverage has been obtained which meets the requirements as outlined below:

1. Workers' Compensation Insurance for all employees of the Contractor as required by Chapter 440, Florida Statutes.

2. Public Liability Insurance on a comprehensive basis, in an amount not less than $1,000,000 combined single limit per occurrence for bodily injury and property damage. The County must be shown as an additional insured with respect to this coverage.

3. Automobile Liability Insurance covering all owned, non-owned and hired vehicles, used in connection with the Services, in an amount not less than $1,000,000 combined single limit per occurrence for bodily injury and property damage.

The insurance coverages required shall include those classifications, as listed in standard liability insurance manuals, which most nearly reflect the operations of the Contractor.

All insurance policies required above shall be issued by companies authorized to do business under the laws of the State of Florida with the following qualifications:

The company must be rated no less than "B" as to management, and no less than "Class

V" as to financial strength, according to the latest edition of Best's Insurance Guide published by A.M. Best Company, Oldwick, New Jersey, or its equivalent, subject to approval of the Miami-Dade County Risk Management Division.

OR

The company must hold a valid Florida Certificate of Authority as shown in the latest "List of All Insurance Companies Authorized or Approved to Do Business in Florida", issued by the State of Florida Department of Insurance and are members of the Florida Guaranty Fund.

Certificates of Insurance will indicate that no modification or change in insurance shall be made without thirty (30) days written advance notice to the certificate holder.

Compliance with the foregoing requirements shall not relieve the Contractor of this liability and obligation under this section or under any other section in this Agreement.

This Agreement is contingent upon the receipt of the insurance documents within fifteen (15) calendar days after Board of County Commission approval. If the insurance certificate is received within the specified time frame but not in the manner prescribed in this Agreement, the Contractor shall be verbally notified of such deficiency and shall have an additional five (5) calendar days to submit a corrected certificate to the County. If the Contractor fails to submit the required insurance documents in the manner prescribed in this Agreement within twenty (20) calendar days after Board approval, the Contractor shall be in default of the contractual terms and conditions and this Agreement will be terminated, unless such time frame for submission has been extended by the County.

The Contractor shall be responsible for assuring that the insurance certificates required in conjunction with this section remain in force for the duration of the Agreement. If insurance certificates are scheduled to expire during the Agreement, the Contractor shall be responsible for submitting new or renewed insurance certificates to the County at a minimum of thirty (30) calendar days in advance of such expiration. In the event that expired certificates are not replaced with new or renewed certificates, which cover the Agreement period, the County shall suspend the Agreement until such time as the new or renewed certificates are received by the County in the manner prescribed in this article; provided, however, that this suspension period does not exceed thirty (30) calendar days. Thereafter, the County may, at its sole discretion, terminate this Agreement.

ARTICLE 31
PERFORMANCE AND LIQUIDATED DAMAGES

1. Monetary Penalty

The County will impose a monetary penalty on the Contractor for failing to achieve the required level of availability for any class of circuit described in the Maintenance and Trouble Resolutions subarticle, failure to complete scheduled MAC work within the designated time schedule, and other performance measurements as more fully described below:

	Performance Measurement	Liquidated Damages Summary
1	Failure of Contractor to respond to a minor outage.	$200 per incident, not to exceed $10,000 in a calendar year.
2	Failure of Contractor to respond to a major outage more than two (2) times in a consecutive six (6) month period.	$1,000 per incident, not to exceed $10,000 in a calendar year

The Parties recognize that the extent and calculation of damages may be difficult to ascertain, therefore, they agree that liquidated damages in the amount stated are reasonable and is in lieu of all other remedies.

The monetary penalty shall be deducted from the Contractor's management fee invoice amount for the month. This monetary penalty shall not apply to the Contractor's invoice amounts which are attributable to third party intervention, or any external events outside the Contractor's control.

ARTICLE 32
TERMINATION AND DEFAULT PROVISIONS

1. Termination For Convenience And Suspension Of Work

In addition to cancellation or termination as otherwise provided in this Agreement, the County may at any time, in its sole discretion, with or without cause, terminate this Agreement by thirty days (30) written notice to the Contractor, provided however, that this Agreement can only be terminated for cause if the Agreement is in effect for less than eighteen (18) months.

2. **Actions at Termination**

a) The Contractor shall, upon receipt of such notice, and as directed by the County:

i. stop work on the date specified in the notice (the "Termination Date");

ii. take such action as may be necessary for the protection and preservation of the County's materials and property;

iii. cancel orders, but the County shall reimburse Contractor for all costs and expenses of such cancellation, provided that Contractor has, within five (5) business days, advised MDAD in writing that there may be cancellation costs, and to the extent known, an estimate of amount of these costs;

iv. assign to the County and deliver to any location designated by the County any noncancelable orders not incorporated in the Services;

v. take no action which will increase the amounts payable by the County under this Agreement; and

vi. implement a transition plan pursuant to the Training and Transition Program Services subarticle of this Agreement.

b) In the event that the County exercises its right to terminate this Agreement pursuant to this article, the Contractor will be compensated as stated in the Payments and Cost Reimbursements article, herein, for the:

i. portion of the Services completed in accordance with the Agreement and the work up to the Termination Date;

ii. noncancelable deliverables, that have been specifically developed for the sole purpose of this Agreement but not incorporated in the Services; and

iii. any additional charges, incurred by the Contractor, at the direction of the County, not covered in clause (b)(i), above.

NOTE: All compensation paid pursuant to this article is subject to audit.

3. **Surrender of Office and Support Space**

On or before the Termination Date of this Agreement, whether by lapse of time or otherwise, in accordance with the provisions contained herein, the Contractor shall vacate, quit and surrender and shall account for the support space, all furnishings, fixtures, equipment, software, vehicles, records, funds, inventories, commodities, supplies and other property of the County in as good order and condition as they were upon commencement of this Agreement or date of subsequent acquisition, reasonable and normal wear and tear

excepted.

4. **Removal of Personal Property**

On or before the Termination Date of this Agreement, the Contractor shall remove all of its personal property from the support space. Any personal property of the Contractor not removed in accordance with this article may be removed by the Department for storage at the cost of the Contractor. Failure on the part of the Contractor to reclaim its personal property within thirty (30) days from the date of termination shall constitute a gratuitous transfer of title thereof to the County for whatever use and disposition is deemed to be in the best interests of the County.

5. **Termination For Cause**

a) The County may terminate this Agreement, if an individual or corporation or other entity attempts to meet its contractual obligation with the County through fraud, misrepresentation or material misstatement.

b) The County may, as a further sanction, terminate or cancel any other contract(s) that such individual or corporation or other entity has with the County and that such individual, corporation or other entity shall be responsible for all direct and indirect costs associated with such termination or cancellation, including attorney's fees.

c) The foregoing notwithstanding, any individual, corporation or other entity which attempts to meet its contractual obligations with the County through fraud, misrepresentation or material misstatement may be disbarred from County contracting for up to five (5) years in accordance with the County debarment procedures. The Contractor may be subject to debarment for failure to perform, and all other reasons set forth in Section 10-38 of the Code of Miami-Dade County, Florida.

d) The County may terminate this Agreement, if the Contractor fails to cure an event of default timely.

6. **Contractor Event of Default**

a. A default shall mean a breach of this Agreement by the Contractor (an "Event of Default"). In addition to those instances referred to herein as a breach, an Event of Default, shall include one or more of the following:

i. the Contractor has violated the terms and conditions of this Agreement, including failing to respond to major and minor failures on a timely basis, unless the Contractor has paid the damages flowing therefrom, and made all necessary repairs associated with the failure(s);

ii. the Contractor has refused or failed, except in case for which an extension of time is provided, to supply a sufficient number of properly skilled personnel;

iii. the Contractor has failed to make prompt payment to subcontractors or suppliers for any Services;

iv. the Contractor has become insolvent (other than as interdicted by the bankruptcy laws), or has assigned the proceeds received for the benefit of the Contractor's creditors, or the Contractor has taken advantage of any insolvency statute or debtor/creditor law, or the Contractor's affairs have been put in the hands of a receiver;

v. the Contractor has failed to obtain the approval of the County where required by this Agreement;

vi. the Contractor has failed to provide adequate assurances as required under subsection b below; or

vii. the Contractor has failed in a representation or warranty stated herein.

b. When, in the opinion of the County, reasonable grounds for uncertainty exist with respect to the Contractor's ability to perform the Services or any portion thereof, the County may request that the Contractor, within the time frame set forth in the County's request, provide adequate assurances to the County, in writing, of the Contractor's ability to perform in accordance with terms of this Agreement. Until the County receives such assurances, the County may request an adjustment to the compensation received by the Contractor for portions of the Services that the Contractor has not performed. In the event that the Contractor fails to provide to the County the requested assurances within the prescribed time frame, the County may:

i. treat such failure as a repudiation of this Agreement;

ii. resort to any remedy for breach provided herein or at law, including but not limited to, taking over the performance of the Services or any part thereof either by itself or through others.

c. In the event the County terminates this Agreement for default, the County or its designated representatives, may immediately take possession of all applicable equipment, materials, products, Documentation, reports, data, or Developed Works.

7. **Notice of Default and Opportunity to Cure**

If an Event of Default occurs, the County shall notify the Contractor (the "Default Notice"), specifying the basis for such default, and advising the Contractor that such default must be cured immediately or this Agreement with the County may be terminated. The Contractor can cure and rectify the default, to the County's reasonable satisfaction, within thirty (30) days of actual notice of the Default Notice

(the "Cure Period"). The County may extend the Cure Period and grant an additional period of such duration as the County shall deem appropriate without waiver of any of the County's rights hereunder, so long as, the Contractor has commenced curing such default and is effectuating a cure with diligence and continuity during such thirty (30) day period or any other period which the County prescribes. The Default Notice shall specify the date the Contractor shall discontinue the services on or before the Termination Date.

8. **Remedies in the Event of Default**

If an Event of Default occurs, the Contractor shall be liable for all damages resulting from the default, including but not limited to:

i. SATS revenues lost to the County;

ii. the difference between the cost associated with procuring the Services hereunder and the amount actually expended by the County for reprocurement of the Services, including procurement and administrative costs; and

iii. such other damages as the County may be entitled.

9. **COUNTY EVENT OF DEFAULT**

The County shall be in default in the event (a "County Event of Default") that one of the following occurs:

(a)

(i) the Contractor tenders all required documentation for payment under this Agreement; and

(ii) within fifteen (15) days, the County has neither returned the invoice to the Contractor with an explanation of what is missing or incorrect, nor disputed the amount of the payment due the Contractor; and

(iii) the County fails to pay that sum of money as and when due under this Agreement and fails to cure the nonpayment within thirty (30) days following receipt of written notice from the Contractor; or

(b) it commits a material breach of a nonpayment provision of this Agreement and fails to cure that breach within thirty (30) days after written notice describing the breach.

10. **CONTRACTOR REMEDIES UPON COUNTY DEFAULT**

In the event of a County Event of Default, the Contractor may exercise any right and seek any remedy provided at law or in equity. In the event the Contractor brings suit

to collect an amount due from the County, then if the Contractor is successful, it shall be entitled to its reasonable attorney's fees.

11. **CONTRACTOR RIGHT OF EARLY TERMINATION**

In the event the County has reduced the level of the Contractor's staff by seven (7) employees or such greater reduction, such that the Contractor believes in good faith that it can no longer effectively discharge all of its duties under this Agreement, then the Contractor shall have the right to terminate this Agreement on thirty-five (35) days written notice to the County, unless the County rescinds the required Contractor staff reduction within ten (10) Business Days of receipt of the notice. The reduction in the Contractor's staff under this subarticle, shall not include the total number of Contractor's staff that the County may reduce given a reduction in the Contractor's Services, pursuant to subarticle 9.1 of this Agreement.

ARTICLE 33
FORCE MAJEURE

If the performance of this Agreement, or any obligation contained in it, is prevented, restricted or interfered with by reason of either

1. fire, explosion, breakdown of plant, epidemic, hailstorm, hurricane, tornado, cyclone, flood, power failure, lightning, water, or other acts of God, or

2. war, revolution, terrorism, civil commotion, acts of public enemies, blockage, or embargo,

then the party affected, upon giving prompt notice to the other party, shall be excused from such affected performance on a day-to-day basis to the extent of such prevention, restriction or interference (and the other party shall likewise be excused from performance of its obligations on a day-to-day basis to the extent such party's obligations relate to the performance so prevented, restricted or interfered with); provided however, that the party so affected shall use its commercially reasonable efforts to avoid or remove such causes of non-performance and the Parties shall perform promptly whenever such causes are removed or ceased.

ARTICLE 34
CONFLICT OF INTEREST

Conflict of Interest Code of Ethics Ordinance: In connection with the terms and conditions of this Agreement, the Contractor agrees to adhere to and be governed by the County, Florida Conflict of Interest Code of Ethics Ordinance (Section 2-11.1 of the Code of Miami-Dade County, Florida). Notwithstanding the provisions of any Federal, State or County law governing the activities of the Contractor hereunder, commencing as of the

effective date of this Agreement and continuing for the term hereof, the Contractor shall not knowingly enter into any contract or other financial arrangement with any person, corporation, municipality, authority, county, state, country, or any tenant or airline, which would constitute a conflict with interest of the County hereunder or with the Services provided by the Contractor to the County hereunder. The Miami-Dade County Ethics Commission shall make determination(s), binding upon the Parties, as to whether conflicts exist or will exist, and if such relationship will be serious enough to constitute a conflict hereunder.

The Contractor represents that no officer, director, employee, agent, or a member of the immediate family or household of the aforesaid has directly or indirectly received or been promised any form of benefit, payment or compensation, whether tangible or intangible, in connection with the grant of this Agreement.

The Contractor also represents that, to the best of its actual knowledge:

(a) There are no undisclosed persons or entities interested with the Contractor in this Agreement. This Agreement is entered into by the Contractor without any connection with any other entity or person making a proposal for the same purpose, and without collusion, fraud or conflict of interest. No elected or appointed officer or official, director, employee, agent or other Contractor of the County, or of the State of Florida (including elected and appointed members of the legislative and executive branches of government), or a member of the immediate family or household of any of the aforesaid:

i) is interested on behalf of or through the Contractor directly or indirectly in any manner whatsoever in the execution or the performance of this Agreement, or in the Services, supplies or work, to which this Agreement relates or in any portion of the revenues; or

ii) is an employee, agent, advisor, or consultant to the Contractor or to the best of the Contractor's knowledge any subcontractor or supplier to the Contractor.

(b) Neither the Contractor nor any officer, director, employee, agency, parent, subsidiary, or affiliate of the Contractor shall have an interest which is in conflict with the Contractor's faithful performance of its obligation under this Agreement; provided however, that the County, in its sole discretion, may consent in writing to such a relationship, provided the Contractor provides the County with a written notice, in advance, which identifies all the individuals and entities involved and sets forth in detail the nature of the relationship and why it is in the County's best interest to consent to such relationship.

(c) The provisions of this article are supplemental to, not in lieu of, all applicable laws with respect to conflict of interest. In the event there is a difference between the standards applicable under this Agreement and those provided by statute, the stricter standard shall apply.

(d) In the event the Contractor has no prior knowledge of a conflict of interest as set forth above and acquires information which may indicate that there may be an actual or apparent violation of any of the above, the Contractor shall promptly bring such information to the attention of the Project Manager. Contractor shall thereafter cooperate with the County's review and investigation of such information, and comply with the instructions the Contractor receives from the Project Manager in regard to remedying the situation.

ARTICLE 35
MISCELLANEOUS PROVISIONS

1. **Binding Effect**

The terms, conditions and covenants of this Agreement shall inure to the benefit of and be binding upon the Parties hereto and their successors and assigns. This provision shall not constitute a waiver of any conditions prohibiting assignment or subletting.

2. **Contractor Limitation of Liability**

a) The Contractor and its subcontractors shall not be liable for:

(i) any indirect, incidental, consequential except as it pertains to SATS revenues, special or exemplary damages;

(ii) any damages of any kind resulting from unauthorized use of or intrusion into the system, including total fraud. This provision applies to all claims whether based upon breach of warranty, breach of contract, negligence, strict liability in tort where any other legal theory, and regardless of whether the Contractor or its subcontractors have been advised of the possibility of such damage or loss, unless the Contractor or its subcontractors fail to take explicit remedial action based upon the directive of the Department.

b) If a voice system or any other component thereof supports voice over IP protocol (telephony or transmission control protocol/internet protocol), the County may experience certain compromises in performance, liability and security, even when the System is in good working order. These compromises may become more acute if the County fails to follow the Contractor's or the manufacturer's recommendations for configuration, operation and use of the System. The County acknowledges that it is aware of these risks and that it has determined they are acceptable for its application of the System, and the County will not assert any claim against Contractor for such compromises. The County further acknowledges and agrees that the County is solely responsible for:

(i) ensuring that its network and systems are adequately secured against unauthorized intrusion; and

(ii) backing up its data and files.

3. **Other County Rights**

a) Contractor shall be liable for any physical damage it causes to the system. This liability is limited to:(i) the Contractor's repair of the system or component thereof, or if the system or component cannot be repaired, replacement with a comparable system or component; and (ii) any other such damages to the County arising from the physical damage caused by the Contractor.

b) The County may also bring any suit or proceeding for specific performance or for an injunction.

4. **No Estoppel or Waiver**

No acceptance, order, measurement, payment, or certificate of or by a Party or its employees or agents shall estop the other Party from asserting any right of the ensuing Agreement. There shall be no waiver of the right of a Party to demand strict performance of any of the provisions, terms and covenants of this Agreement, nor shall there be any waiver of any breach, default or non-performance hereof by the other Party unless such waiver is explicitly made in writing by the Party. No delay or failure to exercise a right under the ensuing Agreement shall impair such right or shall be construed to be a waiver thereof. Any waiver shall be limited to the particular right so waived and shall not be deemed a waiver of the same right at a later time, or of any other right under the Agreement.

5. **Federal Subordination**

This Agreement shall be subordinate to the provisions of any existing or future agreements between the County and the United States of America relative to the operation and maintenance of the Airport, the execution of which has been or may be required as a condition precedent to the expenditure of Federal funds for the development of the Airport. All provisions of this Agreement shall be subordinate to the right of the United States of America to lease or otherwise assume control over the Airport, or any part thereof, during time of war or national emergency for military or naval use and any provisions of this Agreement inconsistent with the provisions of such lease to the United States of America shall be suspended.

6. **Governmental Authority**

Nothing in this Agreement shall be construed to waive or limit the governmental authority of the County as a political subdivision of the State of Florida.

7. **Headings**

The headings of the various articles and sections of this Agreement, and its Table of Contents, are for convenience and ease of reference only, and shall not be construed to define, limit, augment or describe the scope, context or intent of this Agreement or any part or parts of this Agreement.

8. **Independent Contractor**

The Contractor shall perform all services described herein as an independent contractor and not as an officer, agent, servant, or employee of the County. All personnel provided by the Contractor in the performance of this Agreement shall be considered to be, at all times, the sole employees of the Contractor under its sole discretion, and not employees or agents of the County.

9. **Intent of Agreement**

This Agreement is for the benefit of the Parties only and does not: (a) grant rights to third party beneficiaries, or to any person; or (b) authorize non-parties to the Agreement to maintain a suit for personal injuries, professional liability, or property damage pursuant to the terms or provisions of the Agreement.

10. **Joint Preparation**

The Parties acknowledge that they have sought and received whatever competent advice and counsel as was necessary for them to form a full and complete understanding of all rights and obligations herein and that the preparation of this Agreement has been their joint effort.

11. **Laws and Regulations**

The Contractor shall comply with the Code of Miami Dade County, Florida (the "Code"), including but not limited to Chapter 25 of the Code, Operational Directives issued thereunder, all laws, statutes, ordinances, resolutions, regulations and rules of the United States of America, State of Florida, or Miami-Dade County, all as may be amended from time to time, and any and all plans and programs developed in compliance therewith which may be applicable to its operations or activities under this Agreement.

12. **Modifications**

This Agreement may be modified and revised by written Amendment duly executed by the Parties hereto. **Any oral representation or modifications concerning this Agreement shall be of no force or effect.**

13. **Notices**

Any notices given under the provisions of this Agreement shall be in writing and shall be hand delivered or sent by Registered or Certified Mail, Return Receipt Requested, or express mail service to:

To the County:

Director
Miami-Dade Aviation Department
Post Office Box 592075
Miami, Florida 33159-2075

To the Contractor:

NextiraOne, LLC
Attn: Contractor Project Manager
Building 3030
Perimeter Road and NW 22nd Street
Miami, Florida 33122

with a required copy to General Counsel

or to such other respective addressees as the Parties may designate to each other in writing from time to time. Notices by Registered or Certified Mail shall be deemed given on the delivery date indicated on the Return Receipt from the United States Postal Service or on the express mail service receipt.

14. Ownership Of Documents

Any and all reports, photographs, surveys, provided or created in connection with this Agreement are and shall remain the property of the County. In the event of termination of this Agreement, any reports; such as traffic, inventory, switch audit, service and or MAC logs and photographs, surveys, prepared by the Contractor, whether finished or unfinished, shall become the property of the County, and the Contractor shall immediately remit same to the County.

15. Order Of Precedence

If there is a conflict between or among the provisions of this Agreement, the order of precedence is as follows: 1) work order, 2) the Scope of Services, and 3) these terms and conditions other than the Scope of Services.

16. Press Release Or Other Public Communication

The Contractor shall not issue or permit to be issued any press release, advertisement or literature of any kind that states or suggests that the County endorses the Contractor or the work being performed hereunder, unless the Contractor first obtains the written approval

of the County. Such approval may be withheld if for any reason the County believes that the publication of such information would be harmful to the public interest or is in any way undesirable. This article shall not preclude the Contractor from including the County as a representative customer. Except as may be required by law, or with the written consent of County, the Contractor and its employees, agents, subcontractors and suppliers will not represent, directly or indirectly, that any product or service provided by the Contractor or such other parties has been approved or endorsed by the County.

17. **Prior Agreements**

The Parties agree that there are no commitments, agreements or understandings concerning the subject matter of this Agreement that are not contained in this document. Accordingly, the Parties agree that no deviation from the terms hereof shall be predicated upon any prior representations or agreements whether oral or written. **No modification, amendment or alteration in the terms or conditions contained herein shall be effective unless set forth in writing in accordance with this Agreement.**

18. **Project Fresh Start**

Project Fresh Start has been abated by the County for fiscal year 2001-2002 by action of the Miami-Dade Board of County Commissioners. The Board reserves the right to reinstate this program in the future; if it does, the County will advise the Contractor of the impact, if any, such action may have on this Agreement.

19. **Rights to be Exercised by Department**

Wherever in this Agreement rights are reserved to the County, such rights may be exercised by the Department. Wherever Department approval is required, it shall not be unreasonably withheld.

20. **Security**

Subject to recommendations from the Contractor as to reasonable and prudent security measures needed and approval by the Department, the Contractor shall be responsible for the security and protection of the facilities, and the equipment, furnishings, commodities and supplies provided under this Agreement, for which the Contractor has managerial responsibilities.

21. **Severability**

If any provision of this Agreement or the application thereof to either party to this Agreement is held invalid by a court of competent jurisdiction, such invalidity shall not affect other provisions of the Agreement which can be given effect without the invalid provision, and to this end, the provisions of this Agreement shall be severable.

22. **Solicitation**

Except as provided by Section 2-11.1(s) of the Code of Miami-Dade County, Florida, the Contractor warrants that: 1) it has not employed or retained any company or person other than a bona fide employee working solely for the Contractor to solicit or secure this Agreement; and 2) it has not paid, or agreed to pay any company or other person any fee, or commission, gift, or other consideration contingent upon the execution of this Agreement. A breach of this warranty makes this Agreement voidable by the County without liability to the Contractor for any reason.

23. **Survival**

Any obligations of the Contractor and the County which by their terms would continue beyond the termination, cancellation or expiration of this Agreement or any service order shall survive with such termination, cancellation or expiration.

24. **Taxes**

The Contractor acknowledges that the County is a tax exempt entity. The Contractor shall pay all taxes lawfully assessed against its operations at the Airport, provided, however, that the Contractor shall not be deemed to be in default of its obligations under this Agreement for failure to pay such taxes pending the outcome of any legal proceedings instituted in a court of competent jurisdiction to determine the validity of such taxes.

25. **Third Party Beneficiaries**

Neither the Contractor nor the County intend to directly or substantially benefit a third party by this Agreement. Therefore, the Parties agree that there are no third party beneficiaries to this Agreement, and that no third party shall be entitled to assert a claim against either of the Parties based upon this Agreement. The Parties expressly acknowledge that it is not their intent to create any rights or obligations in any third party or entity under this Agreement.

26. **Governing Law; Venue**

This Agreement shall be governed by the laws of the State of Florida. Venue for all actions and claims arising from this Agreement shall be heard in the Circuit Court of the Eleventh Judicial Circuit in and for Miami-Dade County, Florida or in the United States District Court in and for the Southern District of Florida.

Registered Officer/Agent; Jurisdiction: The Contractor shall designate a registered office and a registered agent, as required by Florida Statutes, such designations to be filed with the Florida Department of State in accordance with Florida Statutes. If the Contractor is a natural person, he and his personal representatives hereby submit themselves to the jurisdiction of the Courts of this State for any cause of action based in whole or in part on the alleged breach of this Agreement.

27. **Violations of Laws and Regulations**

The Contractor agrees to pay on behalf of the County any penalty, assessment, or fine, issued in the name of the County, or to defend in the name of the County any claim, assessment or civil action, which may be presented or initiated by any agency or officer of the Federal, State or County governments, based in whole or substantial part upon a claim or allegation that the Contractor, its agents, employees or invitee, have violated any law, statute, ordinance, resolution, regulation or rule described in subarticle 8 above or any plan or program developed in compliance therewith.

28. **Responsible Wages And Benefits**

If construction work in excess of one hundred thousand dollars ($100,000) is required of, or undertaken by the Contractor as a result of this Agreement, the Contractor must pay laborers and mechanics performing work on the project no less than the hourly rates specified in accordance with Section 2-11.16 of the Code of Miami-Dade County, Florida and Administrative Order ("AO") No. 3-24. The Contractor shall fully comply with the requirements of the Code and AO and shall satisfy, comply with, and complete the requirements set forth in this Agreement.

It is also the policy of Miami-Dade County that in all leases of County-owned land which provide for privately funded construction improvements thereon whose construction costs are greater than or equal to $1 million dollars, any portion of which are financed by any Federal, State or local governmental entity or by bonds issued by such entities, including the Industrial Development Authority ("IDA"), shall comply, including requiring the lessee to require any Contractor constructing such improvements to pay responsible wages to the same extent as if such improvements were County construction. A lessee must pay the County the monitoring fee(s) for the project according to the sliding scale approved by the Board.

This AO does not apply to County construction contracts less than or equal to one hundred thousand dollars ($100,000) or blanket County contracts designed to consolidate an indeterminate number of individual smaller construction contracts, repair or alteration activities which may be needed over a fixed period of time, provided the overall blanket contract ceiling does not exceed five hundred thousand dollars ($500,000) and further provided that no individual work order issued under such blanket contract shall exceed twenty-five thousand dollars ($25,000) per craft, nor does it apply to County construction contracts which are federally funded or otherwise subject to the Davis-Bacon Act, 40 U.S.C. 276 (a). Furthermore, this AO shall not apply to those privately funded projects on County-owned land for construction or alteration of public buildings or public works which are financed solely through private sources, without one dollar ($1) or more of financing provided through any Federal, State, County or local government entity or bond sources including IDA bonds or similar type bond funding.

29. Entirety of Agreement

The Parties hereto agree that this Agreement sets forth the entire agreement between the Parties, and there are no promises or understandings other than those stated herein. None of the provisions, terms and conditions contained in this Agreement may be added to, modified, superseded or otherwise altered, except as may be specifically authorized by subarticles 12 and 17 to this article of the Agreement, or by written instrument executed by the Parties hereto.

IN WITNESS WHEREOF, the parties have executed this Agreement effective as of the date first herein above set forth.

Contractor	**Miami-Dade County**
By: _____	By: _____
Name: _____	Name: _____
Title: _____	Title: _____
Date: _____	Date: _____
Attest: _____ Secretary	Attest: _____ Clerk of the Board

Approved as to form
and legal sufficiency

_____
Assistant County Attorney

Dated 1/22/02

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 6(A)(1)(A)
9-24-02

OFFICIAL FILE COPY
CLERK OF THE BOARD
OF COUNTY COMMISSIONERS
DADE COUNTY, FLORIDA

RESOLUTION NO. R-1091-02

RESOLUTION AUTHORIZING THE COUNTY MANAGER OR DESIGNEE TO EXECUTE AIRPORT RENTAL AGREEMENTS FOR AIRPORT TENANT TELECOMMUNICATIONS SERVICES AND NETWORK ACCESS; NEGOTIATE TERMS AND CONDITIONS; AND ISSUE RENEWAL AND DEFAULT NOTICES AND TAKE NECESSARY TERMINATION ACTION FOR FAILURE TO CORRECT DEFAULTS.

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that this Board hereby authorizes the County Manager or designee to: (i) execute the standard form of an airport rental agreement attached to the accompanying memorandum for shared airport tenant telecommunications services and network access; (ii) negotiate such terms and conditions as may be necessary on a tenant by tenant basis; and (iii) issue renewal and default notices and, in the instance of default, to take necessary termination actions for failure to timely correct defaults all in accordance with the agreement.

Final Exhibit
No. 14

The foregoing resolution was offered by Commissioner Dorrin D. Rolle, who moved its adoption. The motion was seconded by Commissioner Gwen Margolis and upon being put to a vote, the vote was as follows:

Bruno A. Barreiro	absent	Jose "Pepe" Cancio, Sr.	aye
Dr. Barbara Carey-Shuler	absent	Betty T. Ferguson	absent
Gwen Margolis	aye	Joe A. Martinez	aye
Jimmy L. Morales	aye	Dennis C. Moss	aye
Dorrin D. Rolle	aye	Natacha Seijas	absent
Katy Sorenson	aye	Rebeca Sosa	nay
Sen. Javier D. Souto	absent		

The Chairperson thereupon declared the resolution duly passed and adopted this 24th day of September, 2002. This resolution shall become effective ten (10) days after the date of its adoption unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

By: KAY SULLIVAN
Deputy Clerk

Approved by County Attorney as to form and legal sufficiency. dsh

David Stephen Hope

5

MEMORANDUM

OFFICE OF THE COUNTY MANAGER

Agenda Item No. 6(A)(1)(A)

TO: Honorable Chairperson and Members Board of County Commissioners

DATE: September 24, 2002

FROM: Steve Shiver County Manager

SUBJECT: Resolution approving recommendations relating to shared airport tenant services for the Aviation Department

RECOMMENDATION

It is recommended that the Board approve the attached resolution that will authorize the County Manager or his designee to: (i) execute standard form airport rental agreements for shared airport tenant services ("SATS") to offer telecommunications and network access to airport tenants; (ii) negotiate such terms and conditions as may be necessary on a tenant by tenant basis; and (iii) issue renewal and event of default notices, and in the instance of default, to take necessary termination actions for failures to correct defaults on a timely basis all in accordance with the airport rental agreement.

BACKGROUND

On January 29, 2002, the Board of County Commissioners (the "Board") approved Resolution No. R-31-02 relating to the telecommunications, data network, and shared airport tenant services at Miami-Dade Aviation Department ("MDAD"), and entered into a non-exclusive management agreement with NextiraOne, LLC (the "Contractor") wherein MDAD now receives all SATS gross revenues.

Shared airport tenant services consist of telecommunications, voice and data network services, which MDAD offers to its tenants. The Contractor is required to use its best efforts to establish, market, maintain, operate and manage SATS for the County to tenants and users at Miami International Airport ("MIA") and the General Aviation Airports ("GAA"), consistent with the requirements of the Public Service Commission of Florida ("PSC") or whatever other governmental entity has jurisdiction over SATS, if and where applicable, and all applicable laws.

It is requested that the Board delegate to the County Manager or his designee certain specified and limited authority that would provide for more efficient management of airport properties, maximization of revenues, and better operational flexibility for users of said facilities. Given the changing or different needs of each tenant requesting SATS, it is also requested that the Board delegate the authority to negotiate such terms and conditions as may be necessary, on a tenant by tenant basis, to allow the County to be responsive to the needs of the MIA and GAA business partners. The rental term may vary depending on the tenant, but in no occasion will any airport rental agreement exceed forty-eight (48) months.

The installation and monthly rental fees for SATS is dependent on the scope of the tenant's request for services.

The following chart provides a sampling of three levels of service (i.e., small, medium, and large tenant) that is presently offered by MDAD:

Tenant	Type of Service	Number of Subscribers	Installed Costs	Actual Monthly Rental Fee (period 5/1/02 – 5/31/02)
Air Jamaica (small)	Telecommunications Access	6 Subscribers	$860.00	$206.88
Miami Airport Duty Free (medium)	Network Access	46 Subscribers	$15,690.00	$ 2,516.44
United Airlines (large)	Telecommunications Access	593 Subscribers	$99,297.00	$16,142.88

The requested delegation of authority is similar to that which has existed for standard form aviation leases for the use and occupancy of real property at MDAD facilities.

At present, there are fifty-five (55) tenants with existing SATS agreements with MDAD. These agreements must be renewed, and as MDAD takes additional tenants into service, it is expected the number of users of our telecommunications and data network system and resulting revenues will increase. Per the previous SATS agreement with NextiraOne, LLC[1], last year the MDAD received $267,000, which was based on ten (10) percent of gross revenues. Under the new non-exclusive management agreement with NextiraOne, LLC, approved by the Board on January 29, 2002, MDAD will receive all SATS gross revenues which last year totalled $2,670,024. This revenue is expected to increase based on new marketing initiatives presently under development.

[1] NextiraOne, LLC was the successor or assignee of Centel's rights and obligations (via Williams Communications Solutions, LLC) under both the ELM Agreement and the SATS Agreement.

MEMORANDUM

TO: Honorable Chairperson and Members
Board of County Commissioners

DATE: September 24, 2002

FROM: Robert A. Ginsburg
County Attorney

SUBJECT: Agenda Item No. 6(A)(1)(A)

Please note any items checked.

_____ "4-Day Rule" (Applicable if raised)

_____ 6 weeks required between first reading and public hearing

_____ 4 weeks notification to municipal officials required prior to public hearing

_____ Decreases revenues or increases expenditures without balancing budget

_____ Budget required

_____ Statement of fiscal impact required

_____ Statement of private business sector impact required

_____ Bid waiver requiring County Manager's written recommendation

_____ Ordinance creating a new board requires detailed County Manager's report for public hearing

_____ "Sunset" provision required

_____ Legislative findings necessary

3

MIAMI-DADE AVIATION DEPARTMENT — Airport Rental Agreement

This Agreement is made as of _____, 20__, between Miami-Dade County (the "County"), a political subdivision of the State of Florida, and _____, a _____ corporation/partnership/sole proprietorship (the "Customer"), conducting business at Miami International Airport ("MIA" or the "Airport").

1) Agreement. The County agrees to deliver, install, rent, and maintain telecommunications systems and services consisting of: (1) switch access to its common telecommunications switching equipment and software which will be shared by the Miami-Dade Aviation Department ("MDAD" or the "Department") and its tenants at the Airport ("Switch Access"), (2) network access to the local telephone exchange carrier ("Network Access"), and (3) telecommunication terminal equipment and cabling, when itemized and executed on Schedule I. Such equipment and services are described in the Equipment and Services Schedule I any Maintenance Schedule III attached hereto, including optional services and features and made a part hereof, (collectively, the "System") and the Customer agrees to rent the System (the "Rental"), subject to the terms and conditions of this Agreement.

This Agreement is subject to credit approval by the County. The Customer agrees to cooperate with the County by providing all credit and financial information that may be required by the County. Upon the County's approval of the Customer's rental application the Customer agrees to execute all documents relating to the Rental and promptly return them to the County. In the event all required and properly executed documents and advance payments are not provided to the County, the County may, in addition to other contractual rights and remedies delay turnover until such executed documents and advance payments are received and approved by the County.

2) Schedules. The attached schedules (the "Schedules") are part of this Agreement:

- Schedule I	Equipment and Services Schedule
- Schedule II	Acknowledgment and Certificate of Acceptance
- Schedule III	Maintenance Schedule

3) Installation.

a) The Customer will be responsible for, and provide or arrange for at its own expense (in a timely manner as required or directed by the County): (1) necessary floor plans and accessible System locations free from environmental hazards, (2) reasonable access for the County; (3) completed copies of database feature forms; (4) raceway, conduit, holes and wireways, where not otherwise provided herein; and (5) easements and microwave licenses.

b) The System will meet Federal Communications Commission Part 68 regulations regarding connection to the public telephone network. The County will install the System in a workmanlike manner without damage to the Customer's premises, and will obtain necessary work permits to install the System. The County will not be responsible for removing any cabling or equipment of the Customer's old telephone system.

4) Force Majeure. The County's performance under this Agreement shall be excused to the extent and for the time compliance is beyond the County's reasonable control for reasons that include but are not limited to: strikes, work stoppage; fire, water, wind; acts of God; disruption in service for any cause; storms; lightning; delays by suppliers and subcontractors; delays of power company; delays of the local exchange company, interexchange carrier, or any other carrier; governmental action; or any Customer nonperformance such as (1) non-payment, or (2) failure to execute an acceptance certificate or rental document.

5) Term and Acceptance. This Agreement shall be effective upon execution by the Customer and the County, but the term of this Agreement (the "Rental Term") shall commence on the "Commencement Date" (as hereinafter defined) and shall terminate on the last day of the Rental Term stated in Schedule I, provided, however, the Customer's indemnities, assumption of liabilities, and other duties, and all of the County's disclaimers herein shall survive the termination of this Agreement. The Customer shall be deemed to have accepted the System for all purposes of this Agreement, including the payment of rent hereunder, with the Customer's execution of the "Acknowledgment and Certificate of Acceptance" contained in Schedule II, attached hereto and made a part hereof. The date of execution of the Acknowledgment and Certificate of Acceptance shall be the Commencement Date under this Agreement. The Customer shall execute the Acknowledgment and Certificate of Acceptance, with the County's completion of installation and preoperational testing and first connection of the equipment to the public telephone network in a manner permitting calls to be made through the System (the "Cutover").

6) Payments of Rent. The rent for the System (the "System Rent") shall be as listed in Schedule I and shall be payable, without notice or demand, pursuant to said Schedule.

7) Cancellation. After paying the first twelve (12) monthly payments under this Agreement including twelve (12) months of payments for any additions, the Customer may cancel this Agreement by giving sixty (60) days written notice to the County and by paying a cancellation fee equal to: (a) seventy percent (70%) of the unpaid System Rent, AND (b) three (3) monthly payments for Switch Access and Network Access. With the County's prior written approval, the cancellation fees will be waived, if this Agreement is assigned to a MIA tenant who assumes all the obligations of this Agreement.

8) Training. The County will provide instruction and training in the use of the System, to employees of the Customer for a reasonable time (not to exceed sixty (30) days) after the Cutover.

9) Maintenance. The County will maintain the System in good repair, and will provide the necessary parts and labor to maintain the System as provided in Schedule III; provided the Customer is current on its payments hereunder and is otherwise in compliance with terms and conditions of this Agreement. The Customer's SOLE AND EXCLUSIVE REMEDY for the County to correct a defect in the System is limited to the County's performance under this Section 9.

The County's duty to maintain the System:

a) Excludes any service in connection with maintenance or repair of the equipment caused by negligence, theft or unexplained loss, abuse, connection to foreign power, fire, water, wind storms, lightning, acts of God, acts of public enemies, improper wiring, installation of equipment, items, material, or software by the Customer or third parties, failures or changes resulting from local exchange company failures or changes resulting from local power company failures or changes resulting from other transmission providers or repair or alteration of the equipment or software by anyone other than the County; and

b) requires that Customer maintain a suitable operating environment for the System.

BY CUSTOMER REQUEST, REPAIRS NECESSITATED BY ANY OF THE EXCEPTED CAUSES IN SECTION 9(a) ABOVE, SHALL BE PERFORMED BY THE COUNTY AT ITS THEN PREVAILING RATES. THIS MAINTENANCE AGREEMENT IS IN LIEU OF ANY WARRANTY OR OTHER OBLIGATION, EXPRESS OR IMPLIED INCLUDING BUT NOT LIMITED TO, ANY WARRANTY AGREEMENT OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE COUNTY DISCLAIMS ANY WARRANTY TO PREVENT UNAUTHORIZED USE OF THE SYSTEM INCLUDING TOLL FRAUD.

10) LIMITATION OF LIABILITY: THE COUNTY WILL BE LIABLE FOR PHYSICAL INJURIES TO INDIVIDUALS AND DAMAGES TO TANGIBLE PHYSICAL PROPERTY (OTHER THAN THE SYSTEM WHICH IS COVERED BY THE MAINTENANCE PROVISIONS OF THIS AGREEMENT) CAUSED BY THE COUNTY'S NEGLIGENCE. IN NO EVENT HOWEVER WILL THE COUNTY AND ITS CONTRACTORS, SUBCONTRACTORS, OR SUPPLIERS BE LIABLE FOR: (A) ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES; (B) COMMERCIAL LOSS OF ANY KIND (INCLUDING LOSS OF BUSINESS OR PROFITS); OR (C) ANY DAMAGE OF ANY KIND RESULTING FROM UNAUTHORIZED USE OF THE SYSTEM INCLUDING TOLL FRAUD. THIS LIMITATION SHALL APPLY TO ANY CLAIM OF THE CUSTOMER WHETHER BASED UPON BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE OF THE COUNTY, ITS EMPLOYEES, CONTRACTORS, SUBCONTRACTORS, AND SUPPLIERS, STRICT TORT OR ANY OTHER LEGAL THEORY WHETHER OR NOT THE COUNTY OR ITS EMPLOYEES, CONTRACTORS, SUBCONTRACTORS, OR SUPPLIERS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE OR LOSS.

11) Title. The County shall retain title to the System and the Customer shall have no interest in the System other than the rights acquired as a customer hereunder. The Customer acknowledges the County may affix to and maintain on such System identifying labels indicating the County's ownership. The System shall remain County personal property and not become a fixture or part of any Customer real estate regardless of the manner in which it may be installed or attached. If requested by the County, the Customer will at the Customer's expense, furnish a landlord and/or mortgagee waiver with respect to the System. The Customer shall protect and defend the County's title, and at the Customer's expense, keep the System and parts thereof free and clear of all liens, encumbrances and security interests other than those arising through the County, and shall not permit the County's rights or interest hereunder to be subject to any lien, charge or encumbrance, including but not limited to: (a) any lien of the owner of real or property upon which the System is installed, or (b) of any purchaser of, or future creditor secured by a lien on, said real property. The Customer shall give the County immediate notice of any attachment or judicial process affecting any item of the System.

12) Use of the System(s), Inspections and Reports. The Customer shall use the System(s) solely for business and not for personal, family or household purposes. The Customer may only use the System at the location set forth in Schedule I. The Customer's use of the System shall conform with all applicable federal, state, and local laws and rules. The County shall have the right to inspect the System at all reasonable times during the Customer's normal business hours.

Additional Terms and Conditions

13) Alterations and Attachments. The Customer shall not permit any equipment or other items or material (the "Other Equipment") or software (the "Other Software") to be used on or in connection with the System, which does not meet the specifications of the manufacturer of the equipment in the System. All Other Equipment and Other Software which may be used on, or in connection with, the System shall be acquired and installed by the Customer at Customer's own expense and risk. The County makes no representation concerning the compatibility of any such Other Equipment and/or Other Software for use with the System.

Without the prior written approval of the County, at the end of the Rental Term, the Customer must remove any additions to the System not otherwise subject to this Agreement (the "Additions") made by Customer during the Rental Term, and restore the System, at the Customer's expense, to its original condition, reasonable wear and tear only excepted. In the event the Customer fails to remove an Addition, it shall become the property of the County.

14) Indemnification. The County will be responsible only for physical injury to persons (including death) and damage to tangible physical property to the extent caused by its negligence during delivery, installation, or maintenance of the System, and which is reported to the County in writing within sixty (60) calendar days of the incident.

The Customer shall indemnify and hold harmless the County and its officers, employees, agents and authorized representatives, and instrumentalities from any and all claims, losses, fines, damages, and causes of action, including attorney's fees and costs of defense, which may arise or be incurred as a result of claims, demands, suits, causes of actions, or proceedings of any kind or nature arising out of, relating to, or resulting from the performance of this Agreement by the Customer or its employees, agents, servants, partners, principals, or subcontractors, except to the extent such act is caused by the County's negligence. The Customer shall pay all claims and losses of any nature whatsoever in connection therewith and shall investigate and defend all claims, suits or actions of any kind or nature in the name of the County, where applicable, including appellate proceedings, and shall pay all costs, judgments, and attorney's fees which may be issued thereon. The Customer expressly understands and agrees that any insurance protection required by this Agreement or otherwise provided by the Customer shall in no way limit the responsibility to indemnify, keep and save harmless and defend the County or its officers, employees agents and authorized representatives, and instrumentalities as herein provided. Nothing contained in this Section 14 shall be construed so as to require the Customer to indemnify the County's employees, agents, and authorized representatives for their own negligence.

15) Return of System. Upon termination of this Agreement, excepting equipment covered under a renewal agreement, the Customer will make the System available for removal which shall be accomplished in a careful and reasonable fashion by the County. The System will be returned to the County in the same condition as originally installed, ordinary wear and tear excepted, or the Customer will pay for the restoration of the System to such condition. The County shall not be obligated to restore the premises to its original condition. If the Customer does not return the System or make it available for removal by the County, then in addition to all other remedies in this Agreement, the County has available all other remedies available at law or equity. All obligations of the Customer under this Agreement shall remain in force and effect until the System is returned to the County.

16) Events of Default by the Customer. The occurrence of any one or more of the following events (an "Event of Default") shall constitute a default under this Agreement:

a) Failure by the Customer to pay any installment of System Rent or any other amount payable hereunder as and when the same becomes due and payable and the continuation of such failure for a period of ten (10) calendar days thereafter;

b) Failure by the Customer to perform or observe any other term, covenant or condition of this Agreement or any Schedule, or the inaccuracy in any material respect of any representation, warranty or statement made by the Customer in this Agreement, any Schedule, or any document or certificate furnished to the County at any time, which such failure or inaccuracy shall continue for a period of ten (10) calendar days after notice from the County;

c) dissolution, termination, or discontinuance of the Customer's business (including, without limitation, the death of the proprietor if the Customer is a sole proprietorship or the death of a general partner if the Customer is a partnership), the sale of substantially all of the Customer's assets, or the sale or pledge of the controlling interest in the Customer;

d) the Customer's insolvency, the appointment of a receiver for any property of the Customer, assignment by the Customer for the benefit of creditors, admission by the Customer in writing of its inability to pay its debts as they become due, or the commencement of a proceeding under any bankruptcy, reorganization, or similar laws by or against the Customer or any property in possession, or if the Customer enters into an agreement of composition with its creditors; or

e) the attempted sale by the Customer of a System or any part thereof, or the issuance of any levy, seizure or attachment thereon or pertaining thereto.

17) Remedies of the County. At any time after the occurrence of an Event of Default, the County may exercise any one or more of the following remedies:

a) The County may, upon seven (7) days written notice, terminate this Agreement with respect to any System or portion thereof, or all of the Systems;

b) the County may demand and recover from the Customer all System Rent and other amounts then due;

c) the County or its agents may take possession of any portion or all of the Systems, wherever the same be located, on reasonable notice, without any court order or other process of law and without liability to the Customer for any damages occasioned by such taking or possession, and any such taking or possession shall constitute a termination of this Agreement, and whereupon all rights and interest of the Customer to possess and use the Systems shall absolutely cease, but the Customer shall remain liable as provided herein;

d) the County may demand the Customer return any System or portion thereof, or all of the Systems to the County in accordance with this Section 17 herein; and

e) the County may pursue any other remedy available at law or in equity, including, without limitation, seeking damages, specific performance, and/or an injunction. None of the remedies under this Agreement is intended to be exclusive, but shall be cumulative and in addition to any other remedy referred to herein or otherwise available to the County in law or in equity. Any repossession or subsequent sale or lease by the County of any portion of the System shall not bar any action for a deficiency as herein provided, and the bringing of any action or the entry of a judgment against the Customer shall not bar the County's right to repossess any System or portion thereof, or all of the Systems.

18) County Event of Default and Customer Remedy. The Customer may terminate this Agreement upon thirty (30) days written notice in the event of the County's material breach of this Agreement. Such written notice shall identify the material breach(es) and provide a reasonable time to cure in the notification to remedy the cause(s). The County has fifteen (15) days to cure the cause of the termination (the "Cure Period"). Such Cure Period commences the day after the thirty (30) day written notice period runs. The Customer may extend the Cure Period. This shall be the Customer's exclusive remedy.

19) Insurance. In addition to such insurance as may be required by law, the Customer shall maintain during the term of this Agreement the following insurances:

a) Public Liability Insurance on a comprehensive basis, including contractual liability, products, and completed operations, in an amount not less than $1,000,000 combined single limit, per occurrence for bodily injury and property damage. Miami-Dade County must be an Additional Insured with respect to this coverage.

b) Automobile Liability Insurance coverage for all owned, non-owned and hired vehicles used in connection with the agreement in amounts not less than $300,000 combined single limit per occurrence for bodily injury and property damage.

c) Property Damage. The Customer will bear the risk of loss or damage to the leased equipment for the replacement cost and will reimburse the County for any damages to the equipment.

The insurance coverage required shall include those classifications, as listed in the standard liability manuals, which most nearly reflect the operations of the Customer on this Agreement. All insurance policies required herein shall be issued by companies authorized to do business under the laws of the State of Florida. The companies must be rated no less than "B" as to management, and no less than "V" as to strength in accordance with the latest edition of "Best's Insurance Guide", published by A.M. Best Company, Inc., or its equivalent as approved by the Miami-Dade County Risk Management Division.

Prior to the commencement of operations hereunder, and annually thereafter the Customer shall furnish certificates of insurance to Miami-Dade County Aviation Department and the Risk Management Division, which certificates shall clearly indicate: (1) the Customer has obtained insurance in the type, amount and classifications as required for strict compliance with this Section 19; (2) any material change or cancellation of the insurance shall not be effective without thirty (30) days prior written notice to the County; and (3) that Miami-Dade County is named as an Additional Insured with respect to the Public Liability coverage.

The County reserves the right to require the Customer to provide such reasonably amended insurance coverage as it deems necessary or desirable upon issuance of notice in writing to the Customer, which notice shall automatically amend this Agreement effective thirty (30) days after such notice. Compliance with the foregoing requirements shall not relieve the Customer of its liability under any other portion of this Agreement.

20) Further Assurances. The Customer will execute and deliver to the County such additional instruments as the County deems necessary hereunder.

Additional Terms and Conditions

21) County's Performance of the Customer's Obligations. If the Customer fails to perform any of its obligations under the Agreement, the County may perform any act or make any payment which the County deems necessary for the maintenance and preservation of the Systems and the County's title thereto. All sums so paid by the County (together with all related "Late Payment Charges", as hereinafter defined) and reasonable attorney's fees incurred by the County in connection therewith shall be additional System Rent immediately due and payable by the Customer to the County. The performance of any act or payment by the County shall not be deemed a waiver or release of any obligation or default on the part of the Customer.

22) Severability. Any provision of this Agreement prohibited by the laws of a state shall, as to such state, be ineffective to the extent of such prohibition, but shall not affect the other provisions of the Agreement.

23) Amendments and Waivers. This Agreement and the Schedules constitute the entire agreement between the County and the Customer with respect to the rental of the Systems, and supersede all previous communications, understandings, and agreements whether oral or written, between the parties with respect to such subject matter. Any representations, warranties or statements made by an employee, salesperson, agent, or authorized representative of the County and not expressed in this Agreement are not binding upon the County. No provision of this Agreement may be changed, waived, or amended except by written agreement signed by both the County and the Customer, except that the County may insert the serial number of any portion of a System on the applicable Schedule after delivery of such portion of the System and the County may insert the Commencement Date for this Agreement after receiving the Acknowledgment and Certificate of Acceptance.

24) Late Payment Charge: In the event the Customer fails to make any payments as required to be paid under the provisions of this Agreement, within ten (10) calendar days of the due date, interest at the rates established from time to time by the Miami-Dade Board of County Commissioners and/or Florida Statutes (currently set at one and one-half percent (1½%) per month), shall accrue against all such delinquent payment(s) from the original date due until the Department actually receives payment. The right of the County to require payment of such interest and the obligation of the Customer to pay same shall be in addition to and not in lieu of the County's rights to enforce other provisions herein, including termination of this Agreement, or to pursue other remedies provided by law.

25) Assignment. The Customer shall not assign this Agreement without the County's written consent. No assignment or transfer of any sort shall relieve the Customer of its obligations hereunder. The County may assign any rights under this Agreement to an affiliate or any other assignee, and the Customer agrees to execute any documents that such assignee may reasonably require. The Customer acknowledges that if this Agreement is assigned to a governmental entity, the indemnity obligations under Section 16 herein may not apply in full to such assignee.

26) Applicable Law. This Agreement shall be governed by, construed and enforced in accordance with the applicable laws of the County, including (a) the rules and regulations of the Department, (b) Chapter 25, Code of Miami-Dade County, Florida, and (c) operational directives issued thereunder, in addition to all additional laws, ordinances, administrative orders, regulations, and rules of the federal, state, and local governments, and any and all plans and programs developed in compliance therewith, which may be applicable to the operations of this Agreement.

27) Customer's Representations. The Customer represents that this Agreement is a lawful, binding and valid obligation of the Customer enforceable in accordance with its terms and has been duly authorized, executed and delivered by the Customer, and that all information concerning the Customer's financial condition which has been or will be supplied to the County is and will be true and correct.

28) Notices. All notices, demands and other communications shall be transmitted in writing by hand delivery or by United States Mail, addressed to such party set forth below or at such other address as may be subsequently submitted by written notice of either party. Notice given pursuant to this Section 28 shall be deemed effective four (4) days after the date it is mailed or upon receipt, whichever is earlier.

For the Department:

Manager, Information Services Division
Miami-Dade Aviation Department
PO Box 592075
Miami, Florida 33159-2075

For the Customer:
[Billing Customer Name] _____
[Customer Address] _____
[City, State & Zip Code] _____
[Billing Contact] _____
[Telephone Number] _____

29) Miscellaneous.

a) If the Customer uses a purchase order or similar document to order a System or addition thereto, the Customer acknowledges that the terms and conditions of such purchase order or document shall not apply and that the terms and conditions of this Agreement shall exclusively apply thereto.

b) The waiver by either party of any default will not operate as a waiver of any subsequent default.

c) The Customer will pay all of the County's costs or expenses, including reasonable attorney's and collection fees, incurred in enforcing this Agreement.

d) Any modification must be in writing and executed by an authorized representative of the party against whom enforcement is sought.

e) This Agreement shall be binding upon and inure to the benefit of the County and the Customer and their respective successors and assigns.

f) Rights to be Exercised by Department. Wherever in this Agreement rights are reserved to the County, such rights may be exercised by the Department.

Additional Terms and Conditions

30) Terms and Execution.

a) This Agreement binds the Customer when it is executed by the Customer and binds the County when executed by the County and delivered to the Customer.

b) This Agreement allocates the risks of the System's delivery, installation, operation and maintenance between the County and the Customer. The County has provided the Customer a favorable rent in return for the County performing all delivery, installation, and maintenance obligations. This allocation is recognized by both parties and is reflected in the System Rent. The Customer acknowledges that it has read this Agreement, understands it and is bound by its terms.

c) The Customer agrees that the County shall not be obligated under this Rental Agreement if the federal, state, or county emergency or regulatory authority permitting the County's performance hereunder is withdrawn, abridged, or amended so as to preclude the effective delivery by the County of services hereunder. In such event, the County shall notify the Customer in writing and the Customer's sole obligation thereafter shall be to compensate the County for the equipment and services rendered by the County to date.

Miami-Dade Aviation Department	Customer
By:	By:
Title:	Title:
Date:	Date:

MIAMI-DADE AVIATION DEPARTMENT — Equipment and Services Schedule I

Rental # _____ Date: _____

With respect to the certain Airport Rental Agreement dated _____, 20__ (the "Agreement") between the County and _____ (the "Customer"), the County and the Customer agree to incorporate the following additional terms and conditions into said Agreement:

1) Location: Miami International Airport

2) Rental Term: _____ ( ) months.

3) Payment: The Customer shall pay to the County the total rental (which includes maintenance) for the Rental Term of the Agreement, which shall be the total amount of all rental payments set forth on this Schedule, plus any such additional amounts as may arise hereunder or pursuant to any additions hereto as described in Paragraphs 11 and 12 of this Schedule. Except as otherwise specified in this Schedule, rental payments pursuant to this Schedule (each monthly payment of System Rent) shall be made and shall be due and payable in advance on the first day of each calendar month during the Rental Term; provided, however, that the Customer shall pay to the County the first monthly System Rent payment with respect to the System when the Customer delivers to the County the Schedule I and Schedule II executed by the Customer. In the event the Customer does not accept the System for any reason, the County shall be entitled to retain such payment, in addition to its other rights hereunder, unless the parties agree in writing to the contrary. All amounts due hereunder from the Customer shall be paid to the County by credit, in immediately available funds, at the address of the County as set forth in the Agreement or at such other place as the County shall designate in writing. Whenever any payment (of System Rent or otherwise) is not made within ten (10) days of the date when due hereunder, the Customer shall pay the "Late Payment Charge" (as defined in Section 24 of the Agreement), calculated from the eleventh (11th) day after the due date to the date of actual receipt of payment.

4) System Rent: _____ Dollars ($_____) (Monthly System Rent during Rental Term: $_____ per month during the term of this Agreement), except as it may be increased or decreased by amendment or by an inflation and/or utility company adjustment, plus applicable taxes. Unless otherwise specified telephone numbers, directory listings, and all other charges of the local exchange company of any interchange carrier are not included in the rental price unless indicated on a schedule. No cabling, wiring, or other items are included unless specifically stated in this Agreement and indicated on this Schedule.

5) Security Deposit: The Customer shall pay two (2) months rent as a security deposit, that shall be held as long as the Customer is current on its System Rent and applicable taxes, and that shall be returned without interest to the Customer at termination of this Agreement. If not current on either System Rent or applicable taxes, the County may deduct from the Security Deposit any and all amounts due from the Customer under the Agreement. The Customer must maintain the two (2) month rent security deposit amount balance, and must tender to the County the amount needed to maintain this threshold, if a deduction or deductions are made by the County.

6) Estimated Commencement Date: _____, 20__

7) Attachments: The following Schedules are attached to and made a part of this Agreement: Schedules I, II, & III.

8) Installation: The total amount due for installation of the System is _____ Dollars ($_____) plus applicable taxes. This amount is due and payable on the Agreement execution date and is non-refundable.

9) Maintenance Hours: The County will respond to System failures during the hours specified by the maintenance plan chosen by the Customer (see Schedule III).

10) Equipment and Features: The equipment and features subject to the Agreement are set forth below:

1)	Switch Access	$	/month
2)	Network Access	$	/month
3)	System - Terminal Equipment	$	/month
4)	System - Other	$	/month
	Monthly Rent	$ See Attached quote #	

(A continuation sheet may be added if more room is needed)

11) Pre-Turnover Changes: In the event that additions and/or deletions to the equipment and/or features described in Section 10 above are made in accordance with the Agreement before the Commencement Date, the monthly Rental shall be adjusted by the charge caused by applicable Installation Change Notices ("ICNs"). The County and the Customer hereby agree that any ICN executed by the Customer and delivered to the County in accordance with this Section 11 shall constitute an amendment to the Agreement and this Schedule, thereby adding to each such document the descriptions and rental information with respect to the equipment and the software indicated in such ICN.

12) Post-Turnover Changes: If the Customer wishes to add additional County equipment and/or features to the System (excluding however, minor equipment and/or features with maintenance related thereto which the Customer purchases from the County for cash), during the Rental Term of the Agreement, the Customer shall add additional equipment and/or features to the Agreement on such terms as the County and the Customer may agree in a Customer Service Order ("CSO") executed by the County and the Customer and such equipment and/or features shall become, upon amendment of the Agreement and acceptance by the Customer pursuant to the Agreement, subject to the terms of the Agreement, provided the Customer is not in default under the Agreement and has not suffered a material adverse change in its financial condition since the execution of the Agreement. Pricing for additions may be adjusted for changes in tax laws and regulations.

The term of the Agreement for all CSO additions will commence on the date when such CSO additions are first operated as part of the System and shall have a term of sixty (60) months unless stated otherwise on this Schedule.

13) Renewal: If the Customer is not in default under this Agreement, the Customer can either (a) renew this Agreement on its termination at the then current market monthly rate or (b) return the System to the County. Negotiation of any such renewal can be initiated by the Customer's written notice of its willingness to negotiate a renewal not earlier than one hundred twenty (120) days but not later than sixty (60) days prior to the end of the Rental Term; the Agreement can be automatically renewed at the County's discretion for a minimum period of one (1) year if a renewal is not finalized. Renewals will be at the price and on the terms and conditions of the County in effect at the time of renewal unless otherwise agreed to in writing by the parties.

14) Miscellaneous: All terms defined in the Agreement shall have the same meaning herein.

IN WITNESS WHEREOF, the parties hereto have caused this Schedule to be executed by their duly authorized representative and this Schedule shall be incorporated into and made a part of the Agreement.

Miami Dade Aviation Department	Customer
By:	By:
Title:	Title:
Date:	Date:

10

5

MIAMI DADE AVIATION DEPARTMENT *Acknowledgment and Certificate of Acceptance Schedule II*

To Miami-Dade Aviation Department

The Customer, _____ acknowledges, represents and warrants to the County that the equipment subject to the Rental Agreement dated _____ _____, 20___ between the County and the undersigned: (a) has been delivered, installed and subjected to all necessary pre-operational testing; (b) has been inspected; (c) is operating in accordance with the manufacturer's specifications; (d) has not been used or made available to be placed in service for its specifically assigned function for the first time prior to the date indicated below as the "Commencement Date"; and (e) was first connected to a public telephone system in a manner permitting calls to be made through the equipment to and from the facility in which the equipment is located on such Commencement Date.

Commencement Date: _____

Customer: _____

By: _____

Title: _____

Dated: _____

The maintenance plan features the following services:

1. Types of Failures:

Troubles reported by the Customers will fall into two categories: a) Major Failures, and b) Minor Failures.

a. Major Failures are those that severely impede the ability for a Customer to conduct business at the Airport and shall be defined as an occurrence of any of the following:

1. A failure of the telephone switch, its common equipment or power supplies which renders it or them incapable of performing normal functions for five percent (5%) or more of the stations or trunks.
2. A failure of network components that will render over five percent (5%) of work stations inoperable.

b. Minor Failures are any other failures including a failure of any ancillary equipment such as intercom circuits, paging input arrangement, or any other telecommunications equipment or component.

2. Response and Repair Time:

Based on the trouble classification, the response will be in the following manner:

a. Major Failure- Immediate response during business hours (Monday-Friday, 7 A.M. – 11 P.M., Eastern Time) and within two (2) hours for off hours (Monday-Friday, 11 P.M. – 7 A.M., Eastern Time; and twenty-four (24) hours a day Saturday, Sunday, and holidays).

Remedial maintenance will begin immediately for a major malfunction, which may consist of remote diagnostics during the first fifteen (15) to thirty (30) minutes, after the repair notification time by the Customer, via the service provider tracking processes with the appropriate service ticket number, however, if not corrected, the service provider's personnel must be on-site no less than forty-five (45) minutes during business hours and no less than two (2) hours during off hours from the repair notification time. Repair work shall start immediately and continue until the problem is resolved. All commercially reasonable efforts will be made to complete repairs within eight (8) hours from the time the Customer reported the incident.

b. Minor Failure - Response within eight (8) business hours.

Repairs not defined as a major failure will begin as expeditiously as possible, and all commercially reasonable efforts shall be made to complete repairs within one (1) business day from the time the Customer reported the incident. Repairs may be made by a certified technical personnel either through a premise visit or via electronic access through the use of a remote maintenance terminal. However, in all cases, the repair must be confirmed and the status updated by the next business day by notification to the service provider. Response to minor service interruptions will take place within eight (8) business hours.

"Respond" is equated to having technical support and/or troubleshooting the problem within aforementioned times. Note that during the troubleshooting process, the service provider is coordinating directly with the Customer until the problem is resolved.

3. Miscellaneous:

- All parts and labor are included, unless the failure is due to abuse or misuse of the equipment or facilities.
- Preventive maintenance routines are included.
- Utility coordination with the local telephone company and other common carriers are provided.
- Consultation services on the Customer's system are included.
- User training (beyond that provided in Section 8 of the Agreement) is optional, and at an additional cost.
- Traffic studies to determine adequate system utilization (not to exceed two (2) annual Customer requested studies) are included.

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 7(A)(1)(C)
1-20-04

OFFICIAL FILE COPY
CLERK OF THE BOARD
OF COUNTY COMMISSIONERS
DADE COUNTY, FLORIDA

RESOLUTION NO. R-33-04

RESOLUTION RELATING TO TELECOMMUNICATIONS, DATA NETWORK, AND SHARED AIRPORT TENANT SERVICES AT MIAMI-DADE COUNTY AIRPORT SYSTEM FACILITIES; AND AUTHORIZING AWARD AND EXECUTION OF NON-EXCLUSIVE MANAGEMENT AGREEMENT WITH NEXTIRAONE, LLC FOR FIVE YEAR PERIOD

WHEREAS, Miami-Dade County, Florida (the "County") and NextiraOne, LLC ("Nextira") entered into a non-exclusive "Telecommunications, Data Network, and Shared Airport Services" management agreement (the "Interim Agreement") dated February 1, 2002, whereby the County (i) acquired title to all telecommunications, data network, and common use terminal equipment infrastructure, software, licenses, permits, and other assets (collectively, the "Assets"), to be used and operated by or for the Miami-Dade Aviation Department ("MDAD"), and (ii) authorized Nextira to act as interim manager of the Assets for a two (2) year period, until a telecommunications and data network request for proposal ("RFP") was circulated and a new manager selected; and

WHEREAS, RFP No. MDAD-04-01 was advertised on March 6, 2003, for a successor telecommunications, data network, and shared airport services manager, who would *inter alia* (i) provide for the design, installation, maintenance, repair, management, and operational support services for all voice and data network infrastructure for MDAD, and (ii) manage the shared airport tenant services customers at Miami International Airport; and

WHEREAS, after competitive bid, which included oral presentations, Nextira received the highest technical score, price score, and overall ranking from the evaluation and selection committee; and

Final Exhibit No. 15

WHEREAS, the Interim Agreement for the management of the Assets terminates on February 6, 2004,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that the Board: (i) authorizes the award and execution of a non-exclusive "Telecommunications and Network Management Services" agreement (the "Agreement") with Nextira for a five (5) year period, with the County's right to extend the Agreement for an additional two (2) years, in one (1) year increments (the maximum term of the Agreement with extensions not to exceed seven (7) years); and (ii) delegates to the County Manager the authority to negotiate all terms and conditions necessary to consummate the Agreement. The Agreement shall contain a random audit provision to be conducted by the Office of the Inspector General, pursuant to § 2-1076(c)(6), Code of Miami-Dade County Florida. The Agreement shall also contain a provision for the County to retain the services of an independent private sector Inspector General ("IPSIG"), pursuant to Administrative Order No. 3-20.

The foregoing resolution was offered by Commissioner Dorrin D. Rolle, who moved its adoption. The motion was seconded by Commissioner Dennis C. Moss and upon being put to a vote, the vote was as follows:

Dr. Barbara Carey-Shuler, Chairperson aye
Katy Sorenson, Vice-Chairperson aye

Bruno A. Barreiro	absent	Jose "Pepe" Diaz	absent
Betty T. Ferguson	absent	Sally A. Heyman	aye
Joe A. Martinez	aye	Jimmy L. Morales	aye
Dennis C. Moss	aye	Dorrin D. Rolle	aye
Natacha Seijas	aye	Rebeca Sosa	aye
Javier D. Souto	aye		

The Chairperson thereupon declared the resolution duly passed and adopted this 20th day of January, 2004. This resolution shall become effective ten (10) days after the date of its adoption unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF COUNTY
COMMISSIONERS

HARVEY RUVIN, CLERK

By: KAY SULLIVAN
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency:

David Stephen Hope

[redacted] e, LLC

Propc[redacted]1
[redacted]ne Items

		Direct Salary Individual Hourly Rate	Direct Salary Individual Yearly Salary	Total Yearly Salary	Payroll Multiplier	(CPI For So. Fla, Adjusted Annually, presently 3.2%) Year 1 0%	Year 2 3.20%	Year 3 3.20%	Year 4 3.20%	Year 5 3.20%	Totals
1.0 On-Site Management Maintenance and Operations Staff											
Service Manager	1	56.77	$118,082	$118,082	1.84	217,270.14	224,222.79	231,397.92	238,802.65	246,444.34	1,158,137.84
Office and Administrative Supervisor	1	25.25	$52,520	$52,520	1.84	96,636.80	99,729.18	102,920.51	106,213.97	109,612.81	515,113.27
Administrative Assistant	1	13.94	$28,995	$28,995	1.84	53,351.17	55,058.41	56,820.27	58,638.52	60,514.96	284,383.33
Billing Specialist	1	23.32	$48,506	$48,506	1.84	89,250.30	92,106.31	95,053.72	98,095.43	101,234.49	475,740.26
Purchasing Administrator	1	14.42	$29,994	$29,994	1.84	55,188.22	56,954.25	58,776.78	60,657.64	62,598.68	294,175.58
Dispatcher/Scheduler Specialist	1	13.74	$28,579	$28,579	1.84	52,585.73	54,268.47	56,005.06	57,797.22	59,646.74	280,303.22
SATS Technical Specialist	2	29.98	$62,358	$124,717	1.84	229,478.91	236,822.24	244,400.55	252,221.37	260,292.45	1,223,215.51
Voice Communications Supervisor	1	33.14	$68,931	$68,931	1.84	126,833.41	130,892.08	135,080.62	139,403.20	143,864.11	676,073.42
Senior Voice Technician - LEAD	1	28.78	$59,862	$59,862	1.84	110,146.82	113,671.51	117,309.00	121,062.89	124,936.90	587,127.13
Senior Voice Technicians	2	23.79	$49,483	$98,966	1.84	182,098.18	187,925.32	193,938.93	200,144.97	206,549.61	970,657.01
PBX Engineer	1	29.86	$62,109	$62,109	1.84	114,280.19	117,937.16	121,711.15	125,605.90	129,625.29	609,159.69
PBX Programmer / Administrator	1	30.29	$63,003	$63,003	1.84	115,925.89	119,635.52	123,463.85	127,414.70	131,491.97	617,931.92
Voice Technician	3	23.82	$49,546	$148,637	1.84	273,491.71	282,243.45	291,275.24	300,596.04	310,215.12	1,457,821.56
Data Communications Supervisor	1	37.92	$78,874	$78,874	1.84	145,127.42	149,771.50	154,564.19	159,510.24	164,614.57	773,587
Network Engineers	5	41.55	$86,424	$432,120	1.84	795,100.80	820,544.03	846,801.43	873,899.08	901,863.85	4,238,209
Network Engineer V	1	57.69	$119,995	$119,995	1.84	220,791.17	227,856.49	235,147.89	242,672.63	250,438.15	1,176,906.32
Network Technicians	2	32.19	$66,955	$133,910	1.84	246,395.14	254,279.78	262,416.73	270,814.07	279,480.12	1,313,385.84
Help Desk & NOC Supervisor	1	37.92	$78,874	$78,874	1.84	145,127.42	149,771.50	154,564.19	159,510.24	164,614.57	773,587.93
NOC Technicians - Senior Level	2	26.66	$55,453	$110,906	1.84	204,066.30	210,596.43	217,335.51	224,290.25	231,467.54	1,087,756.02
NOC Technicians	3	18.97	$39,458	$118,373	1.84	217,805.95	224,775.74	231,968.57	239,391.56	247,052.09	1,160,993.91
Help Desk Customer Service Reps.	6	15.38	$31,990	$191,942	1.84	353,174.02	364,475.58	376,138.80	388,175.24	400,596.85	1,882,560.50
Level 1 Support Techs For Office Apps	2	15.87	$33,010	$66,019	1.84	121,475.33	125,362.54	129,374.14	133,514.11	137,786.56	647,512.68
NOC Openview/Netview Configuration Adn	1	46.89	$97,531	$97,531	1.84	179,457.41	185,200.05	191,126.45	197,242.49	203,554.25	956,580.64
Cable Planning & Special Projects Sup	1	31.67	$65,874	$65,874	1.84	121,207.42	125,086.06	129,088.62	133,219.66	137,482.69	646,084.65
Fiber and Copper Cable Technicians	3	23.60	$49,088	$147,264	1.84	270,965.76	279,636.66	288,585.04	297,819.76	307,349.99	1,444,357.21
Facility Engineers - Project Managers	2	27.20	$56,576	$113,152	1.84	208,199.68	214,862.07	221,737.66	228,833.26	236,155.93	1,109,788.59
Cable Management Field QA	1	24.05	$50,024	$50,024	1.84	92,044.16	94,989.57	98,029.24	101,166.18	104,403.49	490,632.64
Cable Management Data Entry Clerk	1	13.05	$27,144	$27,144	1.84	49,944.96	51,543.20	53,192.58	54,894.74	56,651.38	266,226.86
CADD Operator	1	23.04	$47,923	$47,923	1.84	88,178.69	91,000.41	93,912.42	96,917.62	100,018.98	470,028.11
Total	50					5,175,599.10	5,341,218.28	5,512,137.26	5,688,525.65	5,870,558.47	27,588,038.77
(Per recommended staffing)											
Monthly Management Fee						431,299.93	445,101.52	459,344.77	474,043.80	489,213.21	

	Hours	Direct Salary	Multiplier	Billing Rate					
2.0 After Normal On-Site Work Hours Rates									
(Estimated hours = 100 per year using the Monday through Sunday rate)	100			$90.00	9,000.00	9,288.00	9,585.22	9,891.94	10,208.49	47,973

	% Mark up							
3.0 Project Management of Subcontracts	8%	28,000.00	28,896.00	29,820.67	30,774.93	31,759.73		
(Estimated contracts $350,000 per year)		350,000.00	361,200.00	372,758.40	384,686.67	396,996.64	2,014,893.05	
(Individual subcontracts greater than $100,000, fee not greater than 10%)								
4.0 Obligations with Vendors	8%	32,000.00	33,024.00	34,080.77	35,171.35	36,296.84		
(All third party Maintenance Agreements)		400,000.00	412,800.00	426,009.60	439,641.91	453,710.45	2,302,734.91	
(Estimated contracts $400,000 per year)								
5.0 New Materials and Equipment Purchased	8%	50,400.00	52,012.80	53,677.21	55,394.88	57,167.52		
(Estimated purchase orders = $630,000 per year)		630,000.00	650,160.00	670,965.12	692,436.00	714,593.96	3,626,807.49	
6.0 Yearly Totals		6,674,999.10	6,888,599.08	7,109,034.25	7,336,523.34	7,571,292.09	35,580,447.86	
7.0 Five-year Total						35,5[redacted]	86	

PSC 569

MEMORANDUM

Agenda Item No. 7(A)(1)(C)

TO: Hon. Chairperson Barbara Carey-Shuler, Ed.D. and Members, Board of County Commissioners

FROM: George M. Burgess, County Manager

DATE: January 20, 2004

SUBJECT: Award Recommendation, Miami-Dade Aviation Department Non-exclusive Telecommunications and Network Management Services Agreement RFP No. MDAD-04-01

The accompanying item was considered by the Transportation Committee (the "Committee") at its December 11, 2003 meeting and forwarded to the full Board, as amended, without a recommendation. This item incorporates and responds to the directives of the Committee made during that meeting.

RECOMMENDATION

It is recommended that the Board approve the attached resolution awarding a non-exclusive "Telecommunications and Network Management Services" agreement (the "Agreement") between Miami-Dade County (the "County") and NextiraOne, LLC ("Nextira" or the "Contractor"), which provides for: 1) the design, installation, maintenance, repair, management, and operational support services for all voice and data network infrastructure for the Miami-Dade Aviation Department ("MDAD" or the "Department"); and 2) manage the shared airport tenant services ("SATS") customers at Miami International Airport ("MIA"). It is further recommended that the Board authorize the County Manager or his designee to execute such Agreement for and on behalf of the County, and exercise any renewal, termination, and cancellation clauses contained therein. This contract award recommendation has been prepared by the Miami-Dade Aviation Department.

BACKGROUND

On January 29, 2002, the Board passed and adopted Resolution No. R-31-02, which authorized: (i) the payment and acquisition of title to all telecommunications network, data network, and common use terminal equipment infrastructure, software, licenses, permits, and other assets (collectively, the "Assets") to be used by or for MDAD at County airport system facilities; and (ii) the execution of non-exclusive management agreement with Nextira (the "Interim Agreement") whereby it became the interim telecommunications infrastructure manager for the design, installation, maintenance, repair, management, and operational support services of all voice and data network infrastructure for MDAD and SATS customers at MIA and the County's owned and operated general aviation airports ("GAAs"), until a new provider was selected but for no longer than a twenty-four (24) month period. Prior to the Interim Agreement, Nextira or its predecessors leased the assets to the County, and managed, operated and maintained the telecommunications infrastructure and services serving MIA and the GAAs. RFP No. MDAD-04-01 was advertised on March 6, 2003, for a successor telecommunications, data network, and shared airport services infrastructure manager. Nextira received the highest technical score, price score, and overall ranking from the evaluation and selection committee. The Interim Agreement with Nextira expires on February 6, 2004.

The Transportation Committee, during its December 11, 2003 meeting, requested. (i) a corporate cross check of Williams Communications Solutions ("Williams"), NextiraOne, and H & D Electric, Inc. to include the owners, officers, and directors of these organizations; (ii) warranty language to be incorporated into the Agreement, wherein NextiraOne represents and warrants that former principals of Williams are not current principals of NextiraOne, and whereby a breach of said representation constitutes grounds for termination of the Agreement; and (iii) dissemination of NextiraOne's (a) convictions, indictments or investigations, and (b) litigation proposal disclosures. This substitute item includes the revised Agreement which incorporates the representation and warranty by NextiraOne and which has been executed by NextiraOne, a corporate cross check as described above as Exhibit A, and the affidavits and disclosures of NextiraOne's convictions, indictments, investigations, and litigation as Exhibit B. The affidavits and disclosures were included in NextiraOne's original proposal submittal, which is on file with the Office of the Clerk of the Board.

DESCRIPTION OF PROJECT:

The Contractor shall: (i) furnish all labor, new materials, tools, supplies and other items required for the design, installation, maintenance, repair, management, and operational support services for all voice and data network infrastructure for MDAD, its users and tenants; and (ii) manage SATS for the County, to tenants and users at MIA.

The work under the Agreement includes, but is not limited to: (a) provisioning of voice and data network services; (b) maintaining existing and future voice and data networks infrastructure equipment including operation, maintenance, repair, monitoring, and support of network devices such as routers, switches, and servers; (c) supporting of circuits, including vendor resolutions and support of environmentals including UPS devices for all switches and routers at all sites; (d) daily analysis of network performance to research trending and troubleshooting from end point to end point to enable quick resolution of system degradation; (e) providing capacity planning for all network links, PBX switches and trunk groups; (f) providing an on-site Help Desk and Network Operation Center dedicated to providing uninterrupted service to airport operations; (g) managing the existing voice and data network infrastructure; (h) maintaining records as required by MDAD, including but not limited to, equipment and cable plant, record keeping of work order activity, equipment inventory, telephone number inventory, number dialing plan, key sheets, and cable management to the Intermediate Distribution Frame level and jack level for existing and new structure; (i) managing the turn-key installation of new voice, data and network services such as user training on equipment, project scheduling, appropriate billing to MDAD and SATS customers; (j)

billing user customers for services, and also for the specified equipment, including when specifically requested by appropriate work order; (k) needs assessment; (l) system design; (m) procurement of equipment and parts; (n) documentation and reports; (o) record keeping and inventory; and (p) any other functions related to the provisioning of these services.

The Contractor shall also provide, install and maintain technical systems hardware and software associated with the management of all telecommunications Asynchronous Transfer Mode ("ATM") Gigabit Ethernet & ATM infrastructure. In addition, the Contractor shall maintain computer hardware and software and the database associated with the cable record systems, the New Security System Cable Management System (after the initial contract expires with that system's provider), and any billing system the Contractor chooses to employ subject to approval by the Department. These software applications shall be maintained and operated at such a level that is suitable to maintain the quality of service or additional requirements outlined in the Agreement or other sections of this specification. Back-ups shall be performed and maintained off-site by the Contractor for all key technical systems to ensure data integrity and disaster recovery. The complete service requirements for this Agreement are included as Exhibit A, entitled Telecommunications and Network Management Services Specification to the Agreement. Exhibit A and all other supporting documentation that is referenced in the Agreement are on file with the Office of the Clerk of the Board.

CONTRACT TERM: The term of the Agreement is for five (5) years. The County may terminate the Agreement without cause on thirty (30) days written notice to Nextira, provided however, the Agreement shall have a minimum term of three (3) years unless terminated earlier for cause.

OPTION(S) TO RENEW: The County reserves the right to extend this Agreement for up to an additional two (2) years, in one (1) year increments.

REVIEW COMMITTEE RECOMMENDATION: 4% CSBE goal for electrical contractors.

ADVERTISEMENT DATE: March 6, 2003.

LIVING WAGE: Not Applicable.

RESPONSIBLE WAGES: Yes.

VENDOR(S): NextiraOne, LLC.

CONTRACT AMOUNT: Management Fee:

The Agreement provides for a management fee of $5,175,599.10 for the first year based on a staff of fifty (50) persons, which includes all overhead, profit and staff transition costs. The compensation for the rest of the Agreement is based on this management fee as adjusted for the requirements of the Capital Improvement Program ("CIP") and the change in the Consumer Price Index ("CPI") for the salaries of the personnel.

The total estimated management fee for the five (5) years is $27,588,038.77.

Variable Costs

The Agreement also provides for variable costs when authorized by the Department, and includes: 1) the procurement of new materials and equipment ($3,626,807.49), 2) obligations with vendors for all third party maintenance agreements ($2,302,734.91), 3) project management of subcontracts ($2,014,893.05), and 4) on-call after hour services ($47,973.64). These amounts, which total $7,992,409.09, are for the initial five (5) year term.

The total fixed and variable costs for the initial five (5) year term of the Agreement are $35,580,447.86 (see Table 1 attached hereto). The source of funding for these services is aviation revenue.

PREVIOUS CONTRACT VALUE: Management Fee

The Interim Agreement provided for a management fee of $6,144,067, for the first year for a staff of thirty-eight (38) persons, which included overhead and profit, staff transition costs, vendor agreements and spare parts carrying charge. The compensation for the second year of the Interim Agreement was based on the management fee above, as adjusted for the requirements of the CIP and the change in the CPI for the salaries of the personnel.

The primary difference between the Agreement being considered for award and the Interim Agreement with Nextira, is that the proposed

Agreement provides for an on-site Help Desk and Network Operation Center dedicated to providing uninterrupted service and support to the Aviation Department and tenants.

Variable Costs

The Interim Agreement also provided for the variable costs, when authorized by the Department, and included for: 1) the procurement of parts, materials and software ($2,680,000),

2) on-call after hour services ($273,000), and 3) subcontractor services for wiring installation and maintenance, as necessary ($899,415). Said variable costs totaled $ 3,852,415.

Assistant County Manager

MEMORANDUM

(Revised)

TO: Hon. Chairperson Barbara Carey-Shuler, Ed.D. and Members, Board of County Commissioners

DATE: January 20, 2004

FROM: Robert A. Ginsburg
County Attorney

SUBJECT: Agenda Item No. 7(A)(1)(C)

Please note any items checked.

_____	"4-Day Rule" ("3-Day Rule" for committees) applicable if raised
_____	6 weeks required between first reading and public hearing
_____	4 weeks notification to municipal officials required prior to public hearing
_____	Decreases revenues or increases expenditures without balancing budget
_____	Budget required
_____	Statement of fiscal impact required
_____	Bid waiver requiring County Manager's written recommendation
_____	Ordinance creating a new board requires detailed County Manager's report for public hearing
_____	Housekeeping item (no policy decision required)
_____	No committee review

54

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 7(A)(1)(C)
1-20-04

OFFICIAL FILE COPY
CLERK OF THE BOARD
OF COUNTY COMMISSIONERS
DADE COUNTY, FLORIDA

RESOLUTION NO. R-33-04

RESOLUTION RELATING TO TELECOMMUNICATIONS, DATA NETWORK, AND SHARED AIRPORT TENANT SERVICES AT MIAMI-DADE COUNTY AIRPORT SYSTEM FACILITIES; AND AUTHORIZING AWARD AND EXECUTION OF NON-EXCLUSIVE MANAGEMENT AGREEMENT WITH NEXTIRAONE, LLC FOR FIVE YEAR PERIOD

WHEREAS, Miami-Dade County, Florida (the "County") and NextiraOne, LLC ("Nextira") entered into a non-exclusive "Telecommunications, Data Network, and Shared Airport Services" management agreement (the "Interim Agreement") dated February 1, 2002, whereby the County (i) acquired title to all telecommunications, data network, and common use terminal equipment infrastructure, software, licenses, permits, and other assets (collectively, the "Assets"), to be used and operated by or for the Miami-Dade Aviation Department ("MDAD"), and (ii) authorized Nextira to act as interim manager of the Assets for a two (2) year period, until a telecommunications and data network request for proposal ("RFP") was circulated and a new manager selected; and

WHEREAS, RFP No. MDAD-04-01 was advertised on March 6, 2003, for a successor telecommunications, data network, and shared airport services manager, who would *inter alia* (i) provide for the design, installation, maintenance, repair, management, and operational support services for all voice and data network infrastructure for MDAD, and (ii) manage the shared airport tenant services customers at Miami International Airport; and

WHEREAS, after competitive bid, which included oral presentations, Nextira received the highest technical score, price score, and overall ranking from the evaluation and selection committee; and

The Chairperson thereupon declared the resolution duly passed and adopted this 20th day of January, 2004. This resolution shall become effective ten (10) days after the date of its adoption unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF COUNTY
COMMISSIONERS

HARVEY RUVIN, CLERK

By: KAY SULLIVAN
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency

David Stephen Hope

MEMORANDUM
(Revised)

TO: Hon. Chairperson Barbara Carey-Shuler, Ed.D. and Members, Board of County Commissioners

DATE: January 20, 2004

FROM: Robert A. Ginsburg
County Attorney

SUBJECT: Agenda Item No. 7(A)(1)(C)

Please note any items checked.

- ____ **"4-Day Rule" ("3-Day Rule" for committees) applicable if raised**
- ____ **6 weeks required between first reading and public hearing**
- ____ **4 weeks notification to municipal officials required prior to public hearing**
- ____ **Decreases revenues or increases expenditures without balancing budget**
- ____ **Budget required**
- ____ **Statement of fiscal impact required**
- ____ **~~Bid waiver requiring County Manager's written recommendation~~**
- ____ **Ordinance creating a new board requires detailed County Manager's report for public hearing**
- ____ **Housekeeping item (no policy decision required)**
- ____ **No committee review**

5 A

NXT 5086

PSC 6745

TAIC
1-20-04

NON-EXCLUSIVE TELECOMMUNICATIONS AND NETWORK MANAGEMENT SERVICES AGREEMENT

made as of the 2nd day of February in the year Two Thousand and Four

Between the County: **Miami-Dade County Florida**, a political subdivision of the State of Florida, acting by and through its Board of County Commissioners, which shall include its officials, successors, legal representatives, and assigns

And the Contractor: **NEXTIRAONE, LLC**
2800 Post Oak Boulevard
MD 25-12
Houston, Texas 77056

Which term shall include its officers, partners, employees, successors, legal representatives and assigns

Description of the Project: Provides for the operations, management, maintenance, service, support and equipment, and supplies of certain telecommunications and data network, infrastructure, hardware and software systems for Miami-Dade Aviation Department as more specifically herein.

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Miami-Dade County Responsible Wages & Benefits

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Exhibit A: Telecommunications and Network Management Services Specification
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Exhibit C: Job Descriptions and Qualifications
Exhibit D: Irrevocable Standby Letter of Credit and Performance and Payment Bond
Exhibit E: Airport Customs Security Area Bond
Exhibit F: Preliminary Budget Estimate
Exhibit G: Inventory List, MDAD Fixed Assets
Exhibit H Existing Operations/Engineering Space

FORMS:
- Contractor Affidavit and Release of All Claims Subcontractor Affidavit
- Contractor's Affidavit in Compliance with Florida Trench Safety Act
- Miami-Dade County Clearinghouse Procedures for Placing Job Opportunities
- Sign-off Sheet for Underground Utilities Clearance
- Shut Down Request Form
- Hot Work Permit

AFFIDAVITS:
- Sworn Statement on Public Entity Crimes
- Miami-Dade County Debarment Disclosure Affidavit
- Criminal Record Affidavit
- Current in Obligations to the County Affidavits
- Contractor's Disclosure Affidavit for Miami-Dade County
- Code of Business Ethics Affidavit
- Affirmative Action Plan/Procurement Policy Affidavit
- Affirmative Action Plan/Procurement Exemption Affidavit
- Subcontractor/Supplier Listing
- Disability Nondiscrimination Certification
- Family Leave Certification
- Domestic Leave Compliance Certification
- Confidentiality Affidavit

NON-EXCLUSIVE TELECOMMUNICATIONS AND NETWORK MANAGEMENT SERVICES AGREEMENT

THIS MANAGEMENT AGREEMENT (the "Agreement") is made this _____ day of _____, 2004 by and between **MIAMI-DADE COUNTY** (the "County"), a political subdivision of the State of Florida, by and through its Board of County Commissioners (the "Board"), and **NextiraOne, LLC** (the "Contractor") a Limited Liability Corporation, authorized to do business in the State of Florida (collectively, the "Parties").

WHEREAS, a Request for Proposal ("RFP") No. MDAD-04-01 was issued by the Miami-Dade Aviation Department ("MDAD" or the "Department") on March 6, 2003 to obtain a contractor to (i) become the telecommunications infrastructure manager, (ii) provide for the design, installation, maintenance, repair, management, and operational support services for all voice and data network infrastructure for MDAD, and (iii) manage the shared airport tenant services ("SATS") customers at Miami International Airport ("MIA"); and

WHEREAS, in response to the RFP solicitation, the County has received proposals and an award has been made to the Contractor.

NOW, THEREFORE, in consideration of the premises agreement, and the mutual covenants herein contained, the Parties agree as follows:

ARTICLE 1
DEFINITIONS

The following words expressions used in this Agreement shall be construed as follows, except when it is clear from the context that another meaning is intended.

1.1 **Acceptance Date:** Shall refer to February 7, 2004.

1.2 **Accept or Acceptance** Is defined as complying in all respects with published specifications and requirements.

1.3 **Airport**: Any of the airport property in Miami-Dade County, Florida, ~~which the~~ County owns and operates, which presently includes Miami International Airport, and the following general aviation airports ("GAAs"). (i) Kendall Tamiami Airport; (ii) Homestead Airport, (iii) Opa-locka Airport, (iv) Opa-locka West Airport, and the (v) Training and Transition Airport.

1.4 **Agreement:** The words "Agreement", "Contract" or "Contract Documents" to mean a non-exclusive telecommunications, data network, and shared airport tenant services management agreement between the County and the Contractor, including all of its terms and conditions, associated addenda, attachments, exhibits, amendments, and work orders issued by the County.

1.5 **Amendment:** A written, signed, and approved by the authorized party or his or her designee, modification to this Agreement, executed by the Contractor and the County covering changes, additions, or reductions in the terms of this Agreement.

1.6 **Board:** The Board of County Commissioners of Miami-Dade County, Florida

1.7 **Business Day:** Monday through Sunday.

1.8 **CAD Manager:** The manager of MDAD Technical Support.

1.9 **Calling Services:** The mechanical process of placing, timing, and pricing each long distance or otherwise chargeable telephone call placed with a carrier or other suitable means and for which the County charges a resale fee to the equipment user

1.10 **Contract Date:** The date on which this Agreement is effective, which shall be the Acceptance Date set forth above.

1.11 **Contractor:** The successful proposer.

1.12 **Contractor Holidays:** The Contractor's calendar year holiday schedule - New Year's Day, Martin Luther King, Jr. Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. The Contractor Holidays are subject to change for the successive calendar years under this Agreement at the sole discretion of the Contractor, provided that such Contractor Holidays shall not exceed a total of eight (8) days

1.13 **Contractor Project Manager:** The Contractor's assigned project manager to oversee all telecommunications aspects as determined and defined within this Agreement The Contractor shall from time to time provide written notice to the County designating the assigned Contractor Project Manager.

1.14 **County:** Miami-Dade County, a political subdivision of the State of Florida

1.15 **County Manager:** The County Manager of Miami-Dade County

1.16 **Days:** Calendar days

1.17 **Department:** Miami-Dade Aviation Department, a department of Miami-Dade County, represented by and acting through the Director or his or her designee(s).

1.18 **Director:** The director of the Miami-Dade Aviation Department or authorized representative(s) designated in writing with respect to a specific matter(s) concerning the Services.

1.19 **Documentation:** All project plans, records, procedures, schematics, diagrams, and manufacturer and Contractor manuals customized or created specifically for the County.

1.20 **Equipment:** All telecommunications and data information systems products purchased from or serviced by the Contractor pursuant to this Agreement. Equipment shall also include hardware, Software, licenses, and permits.

1.21 **Equipment Charges:** All charges including flat rate local telephone service, related to the rental, sale, or provided equipment serviced from the Airport's system to MIA tenants or users, other than MDAD.

1.22 **Existing System:** The Equipment, Systems, Software and circuits described in this Agreement and Exhibits "A" and "B".

1.23 **Gross Revenues:** All moneys paid or payable to, or in consideration of determinable value received by the County from Calling Services and/or Equipment Charges paid by tenants and users of Shared Airport Tenant Services provided at the Airport, for transactions or telecommunications services provided or rendered in connection with such calling services and/or equipment, for connection to the public telecommunications network, regardless of when or where the order therefore is received, or the goods delivered, or services rendered, whether paid or unpaid, whether on a cash or credit basis, or in consideration of any other thing of value.

1.24 **Help Desk:** A call receipt center that users can access to report troubles associated with their voice, data and network services. It shall also include Level 1 support to assist MDAD employees with their email, and Microsoft Office Suite applications.

1.25 **IS&T:** MDAD Information Systems and Telecommunications Division.

1.26 **Licensed Software:** All Contractor software licenses and permits necessary to perform the Services outlined in the Agreement.

1.27 **MAC:** Is defined as move, add, or change work performed by Contractor pursuant to proper authorization from the County.

1.28 **Maintain.** Preventive maintenance, repair or replacement, as deemed appropriate in Contractor's reasonable business judgment, of any installed equipment with the understanding that the Contractor will provide the labor and the County will supply the equipment Maintenance shall be both preventive and remedial, so that any equipment in the custody of Contractor shall be maintained in a manner to ensure its continued usability and value, including cosmetic conditions, to the same condition as when entrusted to Contractor by MDAD.

1.29 **Manager:** The manager of MDAD Information Systems and Telecommunication Division. The County shall from time to time provide written notice to the Contractor designating the assigned Manager.

1.30 **Notice to Proceed:** A written notice to proceed issued by the Project Manager authorizing Contractor to proceed with the work described in this Agreement

1.31 **Obligations with Vendors:** All maintenance and technical support agreements the Contractor maintains with vendors associated with the telecommunications and data network systems, necessary to perform the Services outlined in the Agreement.

1.32 **Personal Property:** The property owned by Contractor and not included within the Equipment, including but not limited to office equipment, test equipment, and office furnishings.

1.33 **Premises:** Includes any property defined as "Airport".

1.34 **Project Manager:** The Chief of the MDAD Telecommunications Division, or the Manager of IS&T or their designee. The Project Manager's responsibilities are to coordinate and communicate with the Contractor and to manage and supervise execution and completion of the Scope of Services and the terms and conditions of this Agreement. All parties may rely on the instructions or determinations made by the Project Manager, provided, however, that such instructions and determinations do not change the Scope of Services or modify the terms and conditions of this Agreement The County shall from time to time provide written notice to the Contractor designating the Project Manager.

1.35 **Reimbursable Expenses:** Those expenses delineated in the "Payments and Costs Reimbursable" subarticle, of this Agreement which are separately approved by the County that are incurred by the Contractor in fulfillment of this Agreement

1.36 **Risk Management Division:** A division of Miami-Dade County, with offices in the Stephen P. Clark Center, 111 NW 1st Street, Miami, Florida 33128

1.37 **Services:** All services, work and actions by the Contractor performed pursuant to or undertaken under this Agreement.

1.38 **Shared Airport Tenant Services or SATS:** As defined in Section 364.339(1), Florida Statutes, means the provision of service which duplicates or competes with local service provided by an existing local exchange telecommunications company

and is furnished through a common switching or billing arrangement to tenants by an entity other than an existing local exchange telecommunications company.

1.39 ***Software:*** *Is defined as.*

- Any set of one (1) or more computer or telephone system programs that is composed of routines, subroutines, concepts, processes, algorithms, formulas, ideas, or know-how severally owned by or licensed by the County and/or any one of its suppliers, regardless of the particular delivery media in or on which such intangible assets may be embodied. Software shall also include any modifications, corrections, patches, updates, or revisions to Software originally provided.
- Any software applications or programs referenced herein or required to perform the functions described in this Agreement.

1.40 **Subcontractor:** Any person, entity, firm, or corporation, other than the employees of the Contractor, who furnishes labor and/or materials, in connection with the Work, whether directly or indirectly, on behalf and/or under the direction of the Contractor and whether or not in privity of contract with the Contractor

1.41 **Sub-System:** The integrated systems, including voice mail, automated attendants, automatic call distributors, customized control routing, power supplies, remote access devices, battery back-up units, integrated voice response, uninterruptible power supplies, network data systems and any related and embedded Software reporting products so designated by the County.

1.42 **System:** The telecommunications and network systems, which may include Equipment, switches, Sub-Systems, related Software, and peripheral equipment As used in this Agreement the terms System and "Switch" have equal meaning

1.43 **Tenant:** Any individual, company, or business located at the Airport, under lease with the County or MDAD or otherwise engaged in the activities of serving Airport users passengers or the movement of cargo.

1.44 **Unsatisfactory Work:** Work or performance that is defined as failing to comply in any respect with the manufacturer's published specifications, or the requirements or the scope of work as defined in this Agreement or by either MDAD or a SATS customer in its work order.

1.45 **Work:** The words "Work", "Services", or "Project" shall mean all matters and things required to be done by the Contractor in accordance with the provisions of this Agreement.

1.46 **Workaround:** Shall mean the partial restoration of the supplied services followed by the permanent repair of any impacted components

ARTICLE 2
NON-EXCLUSIVE AGREEMENT

Notwithstanding any other provision of this non-exclusive Agreement, the County is not precluded from retaining or utilizing any other contractor or its own staff to perform any services within the contract limits defined in the Agreement. The County may elect to competitively procure and contract any infrastructure or system additions and changes, including, but not limited to 1) outside plant extensions, 2) major changes in network architecture, 3) premise wiring at all Airport facilities, and 4) other telecommunications infrastructure changes. The Contractor shall have no claim against the County as a result of

the County electing to retain or utilize such other contractor(s) to perform any such services, provided that the County shall instruct all other contractor(s) that they shall not act in a way that would disrupt or interfere with Contractor's performance of its duties, and take all other reasonably possible steps to avoid any such disruption or interference

ARTICLE 3
SCOPE OF SERVICES

The Contractor shall: (i) furnish all labor, new materials, tools, supplies and other items required for the design, installation, maintenance, repair, management, and operational support services for all voice and data network infrastructure for the Miami-Dade Aviation Department, its users and Tenants; and (ii) the management of Shared Airport Tenant Services for the County to Tenants and users at the Airport.

The Work includes, but is not limited to: (a) provisioning of voice and data network services; (b) maintaining existing and future voice and data networks infrastructure equipment including operation, maintenance, repair, monitoring, and support of network devices such as routers, switches, and servers; (c) supporting of circuits, including vendor resolutions and support of environmentals including UPS devices for all switches and routers at all sites, (d) daily analysis of network performance to research trending and troubleshooting from end point to end point to enable quick resolution of system degradation, (e) providing capacity planning for all network links, PBX switches and trunk groups, (f) providing an on-site Help Desk and Network Operation Center dedicated to providing uninterrupted service to airport operations; (g) managing the existing voice and data network infrastructure;(h) maintaining records as required by MDAD, including but not limited to, equipment and cable plant, record keeping of work order activity, equipment inventory, telephone number inventory, number dialing plan key sheets, and cable management to the Intermediate Distribution Frame level and jack level for existing and new structure; (i) managing the turn-key installation of new voice, data and network services such as user training on equipment, project scheduling, appropriate billing to MDAD and SATS customers; (j) billing user customers for services, and also for the specified equipment, including when specifically requested by appropriate work order, (k) needs assessment; (l) system design; (m) procurement of equipment and parts, (n) documentation and reports; (o) record keeping and inventory; and (p) any other functions related to the provisioning of these services.

The Contractor shall also be responsible to provide, install and maintain technical systems hardware and software associated with the management of all telecommunications Asynchronous Transfer Mode ("ATM") Gigabit Ethernet & ATM infrastructure In addition, the Contractor shall maintain computer hardware and software and the database associated with the cable record systems, the New Security System Cable Management System (after the initial contract expires with that system's provider), and any billing system the Contractor chooses to employ subject to approval by the Department. These Software applications shall be maintained and operated at such a level that is suitable to maintain the quality of service or additional requirements outlined in the Agreement or other sections of this specification. Back-ups shall be performed and maintained off-site by the Contractor for all key technical systems to ensure data integrity and disaster recovery. The complete service requirements for this Agreement are included as Exhibit "A", entitled Telecommunications and Network Management Services Specification to this Agreement.

ARTICLE 4
PERSONNEL

The Contractor shall initially provide for a staff of fifty (50) persons to support the operations, management, maintenance, service, support and equipment and supplies of the telecommunication and data network infrastructure, hardware and software systems as herein described in this Agreement Subcontractors shall only be used, subject to prior written approval from the Department, when the existing work force is unable to perform project management services within established time frames. The County may require proof of need from the Contractor in this regard

The Contractor shall be provided local area network ("LAN") access to the County operated LAN at MIA. MDAD shall provide one (1) network connection to each Contractor staff member. MDAD further agrees to provide email service to the Contractor as well as access to MDAD electronic records of as-built drawings Conversely, the Contractor shall provide MDAD Telecommunications with access to the work order and trouble ticketing system via this LAN connection.

Prior to the beginning of each month, the Contractor shall provide MDAD with its upcoming month's work schedule. This schedule shall list employee's name, date and hours each employee is scheduled to work throughout the month The schedule shall also list the after hours – emergency employee(s) name and pager number

4.1 **Categories of Labor to be Provided by the Contractor**

The Contractor shall provide either through its own staff or through Subcontractors, the labor competent and sufficient to perform the Work described in Article 3 entitled "Scope of Services" of this Agreement, required by the County The Contractor shall provide a list of all personnel assigned to this Agreement that includes their title and job responsibilities Any changes in staffing shall be approved in advance by the Department. If additional personnel are needed to perform the Services, the Contractor shall submit a staffing proposal request that includes justification and a cost proposal to the County for its consideration and approval The County reserves the right to review the Contractor's operations, and if the System and/or personnel requirements decrease, can correspondingly reduce the management fee. The management fee may be correspondingly reduced as a result of the County's decision to retain or employ its own personnel or others. Such reductions, for any reason, may decrease the total number of Contractor staff down to no fewer than forty (40) people to perform a portion of the System requirements

Exhibit "C" provides the County's requirements regarding job descriptions and qualifications. The County reserves the right, from time-to-time, to review all Contractor's employee resumes to ensure these requirements are met Based on the current scope of Work contemplated under this Agreement, Exhibit "A" includes an organizational chart provided for Contractor's understanding of the approximate number of employees needed to perform the work outlined in this Agreement.

4.2 **Personnel**

The Contractor shall recruit, screen, and employ such full-time, and part-time personnel as needed, for the Contractor to competently and efficiently fulfill its obligations under the terms of this Agreement. The Department shall have the right to approve personnel to be employed in designated classifications or levels.

4.3 **Personnel Standards**

A. The Contractor shall only fill positions with personnel who have met all of the personnel provisions of this Agreement and who meet the training qualifications required for each position. All licenses and certifications for each position shall be kept current to meet the requirements for the Equipment and Work at the Department.

B. The Contractor shall ensure that all employees present a clean, neat and professional appearance at all times, and perform their duties in a cooperative, courteous, and efficient manner. Contractor employees shall be dressed in manner suitable for the type of work they are to perform.

C. Removal of Staff

The County reserves the right to request the Contractor to remove from the Contractor's staff, within fifteen (15) days of receipt of written notice, any individual performing services under this Agreement, whose performance, behavior, or conduct is found unsatisfactory to the County or MDAD. The Contractor shall supply competent employees The County may require the Contractor to remove an employee the County deems careless, incompetent, insubordinate or otherwise objectionable, and whose continued employment on County property is not in the best interest of the County. Any employee of the Contractor's staff in violation of the current federal, state, and County security provisions shall be subject to immediate removal from the Contractor's staff assigned to perform the duties under this Agreement. If a license or certification is revoked, suspended or expired for any employee that is required to maintain a specific license or certification in order to perform his or her duties under this Agreement, the employee shall be subject to immediate removal from the Contractor s staff for this Agreement, and another employee with the required license or certification shall be tendered for the MDAD approval.

D The Contractor acknowledges and agrees that the Contractor, its Subcontractors, and all employees are subject to all federal, state, and local laws. As required by an employee's assigned duties, the employee must be eligible for applicable federal, state, and local clearances and certifications including but not limited to, the Transportation Safety Administration, Customs, Homeland Security Department, and Immigration and Naturalization Services

E The Contractor shall require that any employee performing services under this Agreement who is arrested on-duty or off-duty shall within a reasonable amount of time, not to exceed three (3) calendar days, notify the Contractor, who will immediately notify the Project Manager Failure to notify the Project Manager of an arrest shall result in administrative action up to and including the removal of said employee from the Contractor's staff for this Agreement. In addition, the employee can lose access to secured areas of the Airport in accordance with applicable federal, state, and local laws

4.4 Employees are the Responsibility of the Contractor

All employees and subcontractors of the Contractor shall be considered to be, at all times, employees of the Contractor under its sole direction, and neither employees nor agents of the County. Each Contractor employee shall have and wear proper identification

4.5 Tips and Gratuities

No employee of the Contractor shall be permitted, directly or indirectly to solicit, accept, or request any form of tip or gratuity

4.6 Employee Relations Expenses

The Contractor shall not be reimbursed by the Department for any legal or other services with respect to employee relations' matters applicable to employees of the Contractor.

4.7 Language Requirements

All Contractor employees must be able to take instructions from its management or, in the event of an emergency, from the Department, and shall be required to communicate, speak and write in English proficiently

4.8 Other Agreements

The Contractor shall not, without the specific advance written approval of the Department, which approval may be withheld without stated cause, enter into any contract, agreement or arrangement of any kind, which would or could in any way serve to (a) increase reimbursable operating expenses for wages or fringe benefits; (b) modify or change the duties, work rules, working hours or responsibilities of reimbursable employees of the Contractor hereunder; or (c) delegate or assign to any other party the right to make decisions as to such matters.

4.9 Labor Activity

If any strike, boycott, picket, work stoppage, slowdown or other labor activity is directed against the Contractor at the Airport, which results in the curtailment or discontinuance of Services performed hereunder, the Department shall have the right, during said period, to cause the services required to be provided under this Agreement to be performed by others without any liability to the County During such period, this Agreement may be abated at the sole discretion of the County. If such strike, boycott, picket, work stoppage, slowdown, or other adverse labor activity continues for a period to thirty (30) days, the County shall have the right to terminate this Agreement for cause.

4.10 Competing Employment

Contractor's on-site employees shall not engage in any type of activities for the provision of services outlined in this Agreement to entities other than MDAD and the SATS customers of the Department during said working hours under this Agreement. The employees shall be dedicated totally and solely to the fulfillment of the Contractor's obligations at the Airport required by this Agreement, during said working hours. Except as may be required by law, the Contractor and its employees, agents, Subcontractors and suppliers shall not represent, directly or indirectly, that any product or service provided by the Contractor or such other parties has been approved or endorsed by the County.

4.11 **Continued Engagement of Critical Personnel**

Pursuant to Miami-Dade County Resolution No. R-744-00, the Contractor shall identify in Appendix (to be included later) those specific technical or professional personnel, which may effect the firm's qualifications or capabilities to perform the Services under this Agreement. Such personnel must be consistent with the staff proposed at the public hearing and/or listed in the proposal and shall not be replaced except when the Department determines, in its discretion, that the proposed replacement personnel have equal of greater qualifications or capabilities to perform the Services.

ARTICLE 5

OFFICE SPACE, PARKING ARRANGEMENTS AND NETWORK / APPLICATIONS ACCESS

5.1 **Existing Operations / Engineering Space**

A. Based on fifty (50) assigned personnel, MDAD will provide limited space to the Contractor for its workspace for (i) offices, as presently described in Exhibit "H", (ii) NOC and (iii) Help Desk (collectively, the "Space"), and storage space with loading dock for cables, to the Contractor at no cost. In the event this Space becomes unavailable, the County will provide comparable space to the Contractor at the Department's expense. No additional space will be provided by the Department in its facilities for additional personnel of the Contractor or any of its Subcontractors

B. Custodial Service for Equipment Rooms and Office Areas: MDAD will provide routine custodial service for the Contractor's offices and engineering area. This service shall include cleaning of floors, and emptying of waste paper and recycled paper containers. This custodial service shall not include the routine cleaning of the MIA Terminal Building Switch Room and the Building 3030 Switch Room. These locations shall be cleaned and maintained by the Contractor.

~~In addition, the Contractor is responsible for providing preventative~~ maintenance in and on all equipment rooms as follows:

- Each telecommunications equipment room shall be provided with periodic checking to ensure an environment that is suitable for the equipment.
- The Contractor shall immediately notify the Department when it finds debris left by other contractors, vendors, or suppliers of the Department.
- When necessary, the Contractor shall perform cleaning (whether self-performed or via subcontract) to ensure a suitable environment that shall include the removal of debris and the cleaning of equipment, cabling, and terminations for all primary and special equipment rooms.

C. Maintenance and Repair: The Contractor shall preserve the Space in good working order and condition, subject to ordinary wear and tear.

D. Alterations and Signs. The Contractor shall not alter the support space in any way whatsoever, erect any signs, nor permit any advertising of any nature without prior written approval from the Department.

5.2 **Parking Arrangements**
The County shall furnish parking permits for Contractor's assigned staff for the term of this Agreement. **Construction vehicles and equipment will only be authorized at the job site and at pre-assigned parking areas**

5.3 **Furniture and Supporting Equipment**
The Contractor shall provide its own office furniture and supporting office equipment, including but not limited to, desks, chairs, filing cabinets, cell phones and paging devices, wall partitions, copiers, personal computers ("PCs"), and facsimile machines. The cost for these items shall be in the rate structure shown in Exhibit "F" No separate compensation for furniture and equipment shall be considered. Upon termination or expiration of this Agreement (whichever comes first), the Contractor will abandon in place all Contractor owned wall partitions, desks, chairs and filing cabinets. Upon such abandonment, all ownership of this furniture will revert to the County

5.4 **Office Supplies and Consumable Items**
All office supplies and consumable items used in performance of the Contractor's work shall be provided by the Contractor

5.5 **Telecommunications Costs**
MDAD will provide telephones and related services for all Contractor s operations and maintenance work within MDAD, including local calling within Miami-Dade County The Contractor will be provided telephone service (local service and voice mail) using the MDAD telephone systems This will include limited extensions and telephone sets to support its operations at MIA The Contractor shall be responsible for all long distance telephone charges of a personal nature or those non-related to MDAD business, made from MDAD telephones. A monthly reimbursement to MDAD will be made by the Contractor to compensate the County for any such long distance charges. If the Contractor decides to use the local service provider, it will be entirely responsible for any initial and recurring charges associated with these lines. Any special circuits required for additional functionality will be provisioned and paid for by the Contractor Paging service will be provided by the Contractor to allow for paging of Contractor's key individuals as alarm conditions are experienced. Cellular phones (or radios) required for technicians and key management personnel will be entirely at the Contractor's expense

5.6 **Computer Network / System Application Access**
The Contractor will be provided local area network access to the County operated LAN at MIA. MDAD will provide one (1) network connection to each Contractor on-site staff member MDAD agrees to provide email service as well as access to the MDAD electronic records for As-built drawings, conversely, the Contractor shall provide MDAD with access to the Contractor's work order and trouble ticketing system via this LAN connection

ARTICLE 6
SECURITY AND AIRFIELD OPERATIONS AREA

6.1 Contractor acknowledges and accepts full responsibility for compliance with all applicable rules and regulations of the Transportation Security Administration ("TSA"), Federal Aviation Administration ("FAA"), and MDAD as set forth from time to time relating to Contractor's work at the Airport. Contractor fully understands and

acknowledges that any security measures deemed necessary by the Contractor for the protection of jobsite, or equipment and property and access to the airfield operations area ("AOA") through the jobsite shall be the sole responsibility of the Contractor and shall involve no additional cost to MDAD All such security measures by the Contractor shall be in accordance with the TSA, 49 CFR Parts 1500 *et alia* and the MIA security plan. The Department shall notify the Contractor of all security related amendments that impact the Contractor's operation

5.2 All project plans, engineering records, procedures, schematics, diagrams, and manufacturer and Contractor manuals prepared by the Contractor and its Subcontractors under this Agreement shall follow security requirements of the TSA, 49 CFR Parts 1500 *et alia* and other MDAD security procedures and shall bear the following warning:

A. **Warning Notice:** This document contains sensitive security information that is controlled under the provisions of 49 CFR PART 1520. No part of this document may be released without the written permission of the Under Secretary of Transportation for Security, Transportation Security Administration, 400 7th Street, S.W., Washington, DC 20590 or the Federal Security Director at Miami International Airport. The unauthorized release of this document may result in civil penalty or other action. For United States government agencies, the public availability of this document is to be determined under 5 U S C § 552

B. In accordance with Florida Statutes § 119 07(3)(ee), "Building plans, blueprints, schematic drawings, and diagrams, including draft, preliminary, and final formats, which depict the internal layout and structural elements of a building, . . or other structure owned and operated by an agency as defined in s. 119 011 are exempt ..." from public records to ensure the safety of government infrastructures and to ensure public safety. The Contractor represents it has completed and notarized a Confidentiality Affidavit, included in the Affidavit section of this Agreement, which certifies the Contractor and each employee agree, in accordance with Florida Statutes § 119 07(3)(ee), to maintain the exempt status of this information Information made exempt by this paragraph may be disclosed to a licensed architect, engineer, or contractor who is performing work on or related to the Airport. The entities or persons receiving such information shall maintain the exempt status of the information

C. In addition to the above requirements in this subarticle, the Contractor agrees to abide by all federal, state, and County procedures, by which the documents are handled, copied, and distributed which may include but is not limited to:

1. Each employee of the Contractor and its Subcontractor(s) that will be involved in the project, shall sign an agreement stating that they will not copy, duplicate, or distribute the Documentation unless authorized by MDAD.
2. The Contractor and its Subcontractor(s) agree in writing that the Documentation is to be kept and maintained in a secure location
3. The Documentation shall be numbered and the whereabouts of all Documentation shall be tracked at all times
4. A log is developed to track the Documentation including logging in the date, time, and name of the individual(s) that work on or view the Documentation.

6.3 MDAD authorized identification badges will be issued to all Contractor employees working in the security identification display area ("SIDA") or any other secured area of MIA. All such employees will be issued photo identification badges and will be subject to Federal Bureau of Investigation ("FBI") fingerprint based criminal background investigation.

6.4 The Contractor shall be responsible for requesting MDAD to issue identification badges to all employees whom the Contractor requests be authorized access to the SIDA, and shall be further responsible for the immediate reporting of all lost or stolen identification badges and the immediate return of the identification badges of all personnel transferred from MIA assignment or terminated from the employ of the Contractor or upon final acceptance of the work or termination of this Agreement. Contractor will be responsible for fees associated with lost and unaccounted badges as well as the fee for fingerprinting and identification issuance.

6.5 All employees of the Contractor and its Subcontractor(s) who must work within MDAD secured areas at MIA shall be supplied with MDAD identification badges as specified above, which must be worn at all times while within the secured area Identification badges shall be worn on outer garments above the waist so as to be clearly visible in order to distinguish, on sight, employees assigned to a particular contractor. MDAD Security and Safety Division shall provide the identification badges to the Contractor. Each employee must complete the SIDA training program conducted by MDAD and comply with all other FAA or MDAD requirements as specified by MDAD at the time of application for the identification badge before an identification badge is issued

6.6 Ramp permits will be issued to the Contractor authorizing vehicle entrance to the AOA through specified MDAD guard gates for the term of this Agreement. These permits will be issued only for those vehicles (including vehicles belonging to the Subcontractor(s)) that must have access to the site during the performance of the Agreement. These permits will be only issued to Contractor owned vehicles or to Contractor leased vehicles (leased from a commercial leasing company). AOA decals, passes, or permits to operate within the AOA will not be issued to privately owned or privately leased vehicles. All vehicles operating within the AOA must have conspicuous company identification signs (minimum of three (3) inch lettering) displayed on both sides of the vehicle

All vehicles operating within the AOA must be provided with the Automobile Liability Insurance required in this Agreement. Proof of such insurance shall be provided to MDAD Airside Operations Division upon request. Unless otherwise specified in the Agreement, ramp permits will not be required or issued by MDAD for work performed at the GAAs

6.7 Before the Contractor shall permit any employee with pictured identification to operate a motor vehicle on the AOA without MDAD escort, the Contractor shall require such employee to have a current, valid, appropriate Florida driver's license and to attend and successfully complete the AOA Driver Training Course conducted periodically by the Department. The privilege of a person to operate a motor vehicle on the AOA may be withdrawn by the Department because of violation of AOA driving rules or loss, revocation, or suspension of one's Florida driver's license.

6.8 The Contractor agrees that its personnel, vehicles and other personal property are subject to being searched when attempting to enter, leave or while on the AOA. It is

further agreed that MDAD has the right to prohibit an individual, agent or employee of the Contractor or Subcontractor(s) from entering the AOA, based upon facts which would lead a person of reasonable prudence to believe that such individual might be inclined to engage in theft, cargo tampering, sabotage or other unlawful activities, including but not limited to repeated failure to comply with MDAD, and TSA SIDA and AOA access control policies, rules and regulations. Any person denied access to the AOA or whose prior authorization has been revoked or suspended on such grounds shall be entitled to a review hearing before the Director or his or her authorized designee within a reasonable time. Prior to such hearing, the person denied access to the AOA shall be advised, in writing, of the reasons for such denial.

The Contractor acknowledges and understands that these provisions are for the protection of all users of the AOA and are intended to reduce the incidence of thefts, cargo tampering, sabotage and other unlawful activities at MIA and to maximize compliance with MDAD and TSA access control policies and procedures

6.9 The Contractor understands and agrees that vehicles shall neither be parked on the AOA in areas not designated or authorized by MDAD, nor in any manner contrary to any posted regulatory signs, traffic control devices or pavement markings

6.10 The Contractor understands and agrees that all persons entering and working in or around arriving international aircraft and facilities used by the various Federal Inspection Services ("FIS") agencies may be subject to the consent and approval of such agencies Persons not approved or consented to by the FIS agencies shall not be employed by the Contractor in areas under the jurisdiction or control of such agencies. Persons not approved or consented to by the FIS agencies who enter such areas are subject to fines, which shall be borne entirely by the persons and/or the Contractor.

6.11 Notwithstanding the specific provisions of this article, MDAD shall have the right to add, amend or delete any portion hereof in order to meet reasonable security requirements of MDAD or TSA The Department shall notify the Contractor, in writing, of all security related amendments

6.12 The Contractor shall ensure that all employees so required participate in such safety, security and other training and instructional programs, as MDAD or appropriate federal agencies may require.

6.13 Contractor agrees that it will include in all agreements with its Subcontractor(s) an obligation by such parties to comply with all security requirements applicable to their operations at MIA. Contractor agrees that in addition to all remedies, penalties and sanctions that may be imposed by MDAD or the TSA upon the Contractor's Subcontractor(s) and its individual employees for a violation of applicable security provisions, the Contractor shall be responsible to MDAD for all such violations and shall indemnify and hold MDAD harmless for all costs, fines and penalties arising therefrom which shall include reasonable attorneys' fees.

6.14 AOA Security at GAAs: The Contractor and its Subcontractor(s), and suppliers shall "sign in" and "sign out" at the airport's manager's office or his designated representative whenever the Contractor is performing work at a GAA.

6.15 In the event the Contractor is assigned a project within the Customs area and the Contractor is required to obtain an Airport Customs security bond (Exhibit E"), the

Department shall reimburse the Contractor the cost of the premium for such bond, as substantiated by the invoice.

ARTICLE 7
BUDGETING

7.1 Preliminary Budget Estimate

Annually, on or before August 1st, the Contractor shall provide the Department with a preliminary budget estimate (the "Preliminary Budget Estimate") for all expenses anticipated to be needed to provide for the Scope of Services in the following fiscal year under this Agreement. The estimate shall be established in good faith, but shall not be a warranty or assurance of any kind regarding the actual expenses which will be incurred. The preliminary budget estimate is intended to allow the Contractor to work with the County in order to assist it in its budgeting for expenses related to the Scope of Services in the following fiscal year. The Contractor shall also provide a projected SATS billing report for the following fiscal year.

The Contractor s price proposal for the Scope of Services (except for future plans) for the System will be the initial Preliminary Budget Estimate, which is attached to this Agreement as Exhibit "F".

The Preliminary Budget Estimate shall include comparisons to the current fiscal year with a summary of all recommended changes in compensation and staffing, if any, and include the following

A. The total number of employees of Contractor under this Agreement

B. A classification title and job description of each job to be preformed by employees of Contractor hereunder

C. The total number of employees who will be performing each job classification hereunder

D. The total wages or salary to be paid each employee hereunder according to job classification.

E. The multiplier.

F. Total prices for Obligations with Vendors.

G. Estimated total Subcontractor prices.

H. Estimated total parts and materials prices.

I. Estimated total Reimbursable Expenses

7.2 Pricing of Employee Expenses by the Contractor

Contractor shall not change, alter or modify any of the following, without the prior written approval of the Department

A. The total number of employees of Contractor used to perform the Services hereunder.

B. The classification and job description of each job to be performed by employees of Contractor used to perform the Services hereunder

C. The number of employees who will be performing each job classification hereunder.

D. The wages or salary to be paid each employee hereunder according to job classification.

E. The multiplier.

F. The maximum number of entry-level employees retained by the Contractor during any twelve (12) month period

7.3 Changes in Employee Expenses by the Department

The Department may, at any time, upon fifteen (15) days written notice, require the Contractor to change, alter or modify any or all of the following

A. The total number of employees of Contractor paid for by the County according to the provisions hereunder, subject to the provisions of Article 4 entitled "Personnel" of this Agreement.

B. The classification title and job description of each job to be performed by employees of Contractor hereunder, provided that the County shall compensate the Contractor for any increased compensation due employees as a result of an increase in title or job description, and that no reduction in title or description and associated reduction in compensation may occur which would result in an employee being assigned whose classification level is below that which is proper for the services to be performed

C. The number of employees who will be performing each job classification hereunder, provided that the County shall compensate the Contractor for any increased compensation due employees as a result of an increase in the number of employees, if approved by the County. No reduction shall occur which causes the number of employees performing in a different job classification, to become insufficient to perform the services required in that other classification.

If any such change, alteration or modification results in an increase or decrease in employee expenses, then the compensation as defined in the Payments and Cost Reimbursements article shall be adjusted accordingly by the Department

ARTICLE 8
PAYMENTS AND COST REIMBURSEMENTS

The monies paid the Contractor shall be determined as set forth in subarticles below, and may be greater or less than the Preliminary Budget Estimate

8.1 Management Fee:

Basic Scope of Services

Except for the compensation for project management subcontracted services and reimbursements, the Contractor shall be paid a management fee (the "Management Fee") to provide for all of the operations, management, maintenance, service, support and procurement services, including all Obligations with Vendors associated with the telecommunications systems provided in the telecommunications and data network infrastructure, hardware and software systems specification as herein described in this Agreement. This Management Fee shall include: (i) the Contractor's profit and overhead for these Services, (ii) a staff transition cost for the first year of this Agreement, and (iii) all other costs associated with complying with the requirements set forth in this Agreement

A. The County shall pay the Contractor, as consideration for managing and providing the services required herein, a monthly Management Fee of $431 299 93 payable in arrears equal to the total agreed upon number of employees employed during that period, upon billing by the Contractor in accordance with this article. The payment for either a partial month or staffing of less than fifty (50) persons shall be pro-rated based upon the price proposal schedule, included as Exhibit "F" to this Agreement.

Such Management Fee may be increased only when the existing work force is unable to perform the services without degradation in the System, and under the following circumstance for additional services rendered:

If, as a result of the County's Capital Improvement Program ("CIP"), the Services provided by the Contractor hereunder increases, and/or when otherwise approved in accordance with this Agreement (for example changes in employees' expenses), the County shall increase the monthly Management Fee in an amount commensurate to the increase in the Contractor's Services. If the Contractor believes that additional personnel are needed to perform the Services, or that Obligations with Vendors need to be added, or that existing Obligations with Vendors need to be changed, the Contractor shall submit a proposal request that includes justification and a cost proposal to the County, and the County may increase the monthly Management Fee accordingly.

The County reserves the right to review the Contractor's operations and if the requirements increase or decrease, the County may correspondingly increase or reduce the Management Fee based upon an addition or reduction in the Contractor's staffing, or change in Obligations with Vendors.

The Contractor shall calculate changes in the Management Fee by using the base salary of the employee according to job classification ("Direct Salaries") as reported to the United States Internal Revenue Services, times a 1 84 multiplier of such Direct Salaries and taking into account changes in Obligations with Vendors. The 1 84 multiplier is all inclusive, and compensates Contractor for all expenses directly or indirectly related to that employee's compensation including but not limited to, social security, medicare, health and life insurance, unemployment, all benefits which include fringe benefits including Contractor Holidays, holiday pay, overtime (other than that provided in subarticle 8 3 D), annual, sick, and other types of leave, five (5) – ten (10) days a year technical training at the National Technical Resource Center ("NTRC"), and associated facilities provided to the employee such as vehicles, office equipment, office supplies, furnishing, and test equipment, plus all Contractor's overhead and profit; all of which items are included in the lump sum Management Fee.

B. The Management Fee will be adjusted to reflect an increase per year in the salaries of the Contractor's personnel based on the change to the Consumer Price Index for South Florida.

8.2 Project Management Services

When subcontracting is required, authorized in accordance with the Scope of Services article of this Agreement, and the Contractor has competitively bid the work order(s), the Contractor agrees to an agreed fixed dollar amount of compensation (the sum of the lowest responsive and responsible subcontractor bids) plus eight

percent (8%) of the price of the Subcontractor work, as compensation for the Contractor's management of the work supplied.

The County shall have no obligation to pay the Contractor any additional sum in excess of this lump sum amount, except for a change and/or modification to work order(s) approved and executed in writing in advance by the County and the Contractor.

All Services undertaken by the Contractor before the County's approval of the respective work order shall be performed at the Contractor's sole risk and expense.

8.3 Reimbursements

All Reimbursable Expenses shall be approved in advance by the Department. The Contractor shall represent and warrant on each invoice that it submits for payment of a reimbursable item, that it has no interests, directly or indirectly, in the reimbursable products or services that have not been disclosed in writing and approved by the County, and that all direct or indirect discounts related to the purchases have been provided to the County. Payment for Reimbursable Expenses may be requested monthly and shall be made on duly certified invoices listing such expenses and substantiated by supporting documentation. The Contractor shall be entitled to the following direct reimbursements without any additional Contractor's mark-up of any kind except where noted:

A. Procurement of Material, Equipment and Inventory: The Contractor shall submit to the Department, for each item purchased, the item, the price and a grand total, including the amount of freight and tax, and the work order number. The Contractor shall be entitled to a eight percent (8%) markup of the price of the procurement of material, equipment and inventory as compensation for the Contractor's management of these procurement services.

B. Airport Customs security bond (Exhibit "E").

C. When an on-site technical training course is requested by the County, the County will pay for the cost of the training class, Contractor's instructor's air-fare, lodging and meals during the training session, in accordance with Section 112.061, Florida Statutes.

D. In the event that the Contractor responds to calls after normal on-site work hours, the Contractor will be compensated at the proposed rate of $90 per hour for personnel for work performed after on-site hours of operation Monday through Sunday and at the proposed rate of $135 for personnel for work performed after on-site hours of operation on Contractor Holidays as specified in the Technical Specification. If an employee has to come on-site and responds from home to resolve the problem, Contractor will be allowed to bill a four (4) hour minimum for each occurrence. If Contractor responds only to a phone call from home and does not come on-site, Contractor shall be allowed to bill one (1) hour for each occurrence.

E. The Management Fee described above already incorporates the payment of regular hours of all personnel. For the payment of approved overtime, however, the reimbursement to the Contractor will be paid in the amounts provided in clause (D) above. There shall be no overtime payment for any management and/or supervisory personnel.

F. Parking reimbursement for Contractor's employees.

8.4 Subcontractors and Obligations with Vendors

All Subcontractors and Obligations with Vendors shall be approved in advance by the Department. The Contractor shall represent and warrant on each invoice that it submits for payment of the following listed items, that it has no interests, directly or indirectly, in the referenced products or services that have not been disclosed in writing and approved by the County, and that all direct or indirect discounts related to the purchases have been provided to the County. Payment for Subcontractors and Obligations with Vendors may be requested monthly and shall be made on duly certified invoices listing such expenses and substantiated by supporting documentation, and which shall include the original Subcontractor or Obligations with Vendors invoice(s) The Contractor shall be entitled to monthly payments of its invoices related to the following items:

a. Subcontractors, when approved by the Manager, are necessary for the accomplishment of the Services. Other than the project management services described above, if Subcontractor(s) are needed for any Service, the cost of the Subcontractor will be reimbursed to the Contractor at Subcontractor's invoice cost to the Contractor plus eight percent (8%).

b. The costs associated with variable Obligations with Vendors will be reimbursed to Contractor at cost plus eight percent (8%)

8.5 Non-reimbursable Expenses

Unless specifically authorized in writing in advance by the Department, the Contractor shall not be reimbursed for expenses of the following type or kind.

A. The Contractor's legal and accounting fees

B Charitable and political contributions.

C. Travel (except when approved in advance for training services) and entertainment

D. Corporate public relations, gifts, dues, subscriptions, and memberships.

E. Any penalties, assessments or fines issued by any court or authorized government entity or agency, unless such penalty, assessment, or fine results from the direct action or inaction of the County, provided however, that the County will not be liable for such amounts when acting in its governmental capacity.

8.6 Cash Losses or Losses from Employee Theft

All cash losses or losses from employee theft shall be the responsibility of and be reimbursed by the Contractor

8.7 Prompt Payment

The Contractor shall be responsible for making prompt and timely payment of all obligations arising out of this Agreement, to maximize the potential for available discounts and rebates, and comply with the Florida Prompt Payment Act, Part VII, Chapter 218, Florida Statutes. All discounts, allowances, and rebates paid or received hereunder shall be to the credit and benefit of the County. The Contractor shall pay from its own funds any penalty, fine or like assessment resulting from any late, delinquent, or delayed payment of an obligation hereunder, provided, the Contractor has not been unduly delayed in making payment of such obligation by action or inaction of the County.

8.8 **Method of Billing and Payment**

Contractor may submit monthly statements as set forth in this article on a monthly basis, ***but only after*** the Services for which the monthly summary statements are submitted have been completed. An original monthly summary statement as set forth below is due within thirty (30) days of the end of the month, except the final invoice which must be received no later than sixty (60) days after this Agreement terminates or expires. Invoices shall designate the nature of the Services performed and/or the expenses incurred.

Prior to submitting its first invoice, the Contractor shall submit a sample format of its monthly-itemized summary statement and invoice for the Department's review and approval for use for this Agreement.

The Contractor will provide itemized billings for purchases made on behalf of, and authorized by MDAD. These itemized billings shall be sufficiently detailed to establish the cost to the County of individual components supplied.

All invoices for subcontracted labor costs shall have attached supporting invoices with details of personnel employed, hours worked, amounts paid and such other information as necessary to ensure compliance with the terms of this Agreement.

8.9 **Payments to the County:**

In the event, the Contractor either collects monies on behalf of the Department or owes monies to the Department, then the Contractor shall tender all monies payable, as required by the Agreement, pursuant to the following:

In Person:	Miami-Dade Aviation Department Finance Division 4200 NW 36th Street Building 5A, Suite 300

During normal business hours, 8:00 A.M. to 5:00 P.M. Monday through Friday

By Mail:	Miami-Dade Aviation Department Finance Division P.O. Box 592616 Miami, Florida 33159
By Express Mail:	Miami-Dade Aviation Department Finance Division 4200 NW 36th Street Building 5A, Suite 300 Miami, Florida 33122
By Wire Transfer	In accordance with wire transfer instructions provided by MDAD Finance Division, 305-876-7383

8.10 **Payments to the Contractor**

The County shall pay the Contractor within forty-five (45) calendar days of receipt of the Contractor's invoice, pursuant to Section 218.74, Florida Statutes and Section 2-8.1.4(4)(b), Code of Miami-Dade County, Florida (1994). All invoices must comply with the requirements set forth in this Agreement and must be submitted on the form and pursuant to instructions prescribed by the Project Manager. Payment may be withheld or delayed for failure of the Contractor to comply with a term, condition, or

requirement of this Agreement. Within the time for payment, the County shall deliver written notice to Contractor setting forth the specific reasons why any portion(s) of an invoice are not being paid, but the County will notify the Contractor within thirty (30) days. Interest on improperly delayed payments shall be paid at the rate of one percent (1%) per month, and commence thirty (30) days after the due date of the payment

Payment shall be made to Contractor at:

Contractor

NextiraOne, LLC
21398 Network Place
Chicago, IL 60673-1213

8.11 Miscellaneous

Except as specifically permitted under the Subcontractual Relations article of this Agreement, the County shall not offset an amount claimed to be due, against an invoice which otherwise is payable in accordance with subarticles 8 8 and 8 10

The Parties will comply with Section 196.295, Florida Statutes.

ARTICLE 9
WARRANTY

9.1 New Systems / Equipment / Software / Installations / Service and Documentation Warranty

A. New Systems / Equipment / Software:

Contractor represents and warrants that Contractor is in compliance with the manufacturer's warranty of any Equipment, Systems, Sub-Systems, Software and parts thereof purchased through the Contractor or used by the Contractor under this Agreement, during the term of this Agreement The Contractor shall function and operate the Equipment, Systems, Sub-Systems, Software and parts thereof in accordance with the manufacturer's published specifications and all applicable County specifications, requirements and design guidelines. The Contractor shall perform all actions necessary to enforce such manufacturer's warranty for the Equipment, Systems, Sub-Systems. Software, and parts thereof.

Contractor agrees to ensure all warranty service shall be kept or maintained. Contractor shall be responsible for enforcing warranties of the equipment purchased from other contractor(s) and vendor(s), provided that litigation shall only be required at the Department's request and expense for enforcement of a warranty

If the Contractor is unable to repair any defective items purchased or used by the Contractor, the Contractor shall replace and reinstall such replacement items at no additional cost to County. Warranty service includes: (i) preventive maintenance based upon the specific needs of the individual items of the Equipment or parts; (ii) unscheduled, on-call remedial maintenance; and (iii) adjustments and replacement of Equipment or parts deemed necessary by Contractor. Warranty service shall be provided at no cost to the County.

The Contractor covenants and represents that all Equipment and all of its parts and components shall be new and unused unless otherwise approved in advance and in

writing by the County, and that County shall be entitled to claim ownership and all available investment credits and that Contractor shall claim no such ownership or credits.

The Contractor shall warrant that the County shall receive free, good, clear title to, and free and clear of all liens and encumbrances of, all materials, deliverables and products supplied or developed under this Agreement

If any System, Equipment, Software or part thereof fails three (3) times in any thirty (30) day period for one (1) hour or more, or for two (2) calendar days, for each such failure not due to external causes, the Department has the option to request replacement of such unit as soon as reasonably possible with comparable equipment or software or capacity and performance equal to or greater than the replaced unit. If the frequency and/or duration of a specific malfunction, defect, failure or nonconformity with specifications seriously impacts the County's business operations, the Department may request, and the Contractor shall arrange, at no charge to the County, for a trained factory engineering specialist to visit the site in order to assist in resolving such malfunctions and to develop a plan of action to prevent their recurrence.

B. New Installation Warranty

Contractor warrants that all new designs and installations provided by Contractor shall meet the functional, performance, reliability and other business requirements and intended uses of County and is fit for such intended uses. Contractor warrants all installation shall be performed in accordance to applicable specifications and the County Design Guideline Manual ("DGM"). The Design Guidelines Manual may be found at http://www.miami-airport.com/html/documents_and_manuals.html

C. Service Warranty

Contractor warrants that it shall provide preventive and remedial maintenance for the Equipment so as to meet the requirements and service levels set forth herein.

Contractor warrants all work performed under this Agreement shall be done by qualified personnel as set forth in this Agreement, and that each of its employees or agents assigned to perform services shall have proper skill, training and background so as to be able to perform in a competent and professional manner and that all work shall be performed in accordance with required schedules and referenced standards and guidelines so as to maintain the integrity of the County's system(s)

The Contractor warrants all equipment and systems shall be fully and properly functional for an average of 99.98% per uptime requirements. If the Systems, Equipment or infrastructure (System) fails to meet the agreed upon uptime or response times then County shall invoke the penalties outlined in this Agreement. It shall be the sole responsibility of Contractor to maintain a service log (the "Service Log") for the purposes of tracking and calculating the monthly uptime levels, the format of such Service Log to be mutually acceptable to both Parties. Such Service Log shall be submitted monthly for County's review.

The Contractor warrants and represents that its personnel and Subcontractors have the proper skill, training, background, knowledge, experience, rights, authorizations, and licenses as necessary to perform the Services described herein.

Contractor warrants all accounting and billing records shall be accurately maintained in accordance with the provisions of this Agreement.

D. Documentation Warranty

Contractor agrees that during the term of this Agreement, all Documentation provided with Equipment, Systems, Sub-Systems, Software and parts thereof shall be furnished to the County at no additional cost. All revisions to existing Documentation and new Documentation developed for Equipment, Systems, SubSystems, and parts thereof not supplied by either the manufacturer or the Contractor shall be furnished to the County at cost, without any Contractor mark-up. Contractor warrants all such Documentation developed or updated during the term of this Agreement accurately reflect the installation and operations of the systems and infrastructure and kept up to date

9.2 Not Covered Under Warranties

Both Parties agree the warranties and covenants set forth in Section 9.1 shall not apply to the extent the Services rendered by Contractor are affected by any of the following: (i) unauthorized actions of the County's personnel; (ii) unauthorized actions of third parties not an agent, Subcontractor, or supplier of the Contractor, (iii) failure of software of equipment not administered by Contractor; (iv) modification of the work product by the County or third party not an agent, Subcontractor, or supplier of the Contractor; or (v) damage or malfunction of hardware or software cause by the County or third party not an agent, Subcontractor, or supplier of the Contractor.

9.3 Organizational Structure

Contractor represents and warrants that no owner, officer of the board, or director of Contractor was a previous owner, officer of the board, or director of Williams Communications Solutions A breach of this subarticle constitutes grounds for termination of the Agreement pursuant to subarticle 31 5 of this Agreement

ARTICLE 10
SOFTWARE AND SOFTWARE LICENSE

The County and the Contractor recognize that title to and ownership of the existing Equipment used in connection with providing Services pursuant to this Agreement is held by and in the name of Miami-Dade County, and that such Equipment includes computer hardware and software used for telecommunications and data network purposes

10.1 Joint Obligations

The County will keep the Software licenses for the Equipment in full force and effect during the term of this Agreement Contractor will do nothing on its part during the term of this Agreement that will cause such license(s) to be terminated by the licensor or diminish the County's rights to use such license(s).

A. Contractor Provided Software

Certain software suppliers license on a nonexclusive basis to the Contractor, and the Contractor also develops software or has software developed for it by third parties (collectively, the "Licensed Software"). All such software is and will remain the property of Contractor or its third party suppliers. Contractor, with respect to the software it uses or develops under the terms of this Agreement, and to the extent authorized under the supplier licenses, grants the County, for such software a personal, nontransferable and nonexclusive sublicense to use the software (including related Documentation), for the life of the particular System or Equipment to which such software is related, solely to maintain, use and operate such System for which the software is initially furnished, provided the County

(i) uses the software solely for County's governmental and business purposes in the operation of the Equipment or any new Equipment or in compliance with the requirements of this equipment, and such perpetual rights shall remain in force upon expiration and/or termination of this Agreement; and

(ii) does not copy or reproduce any of the software without the Contractor's consent, except to the extent necessary for (A) archival and back-up purposes and (B) the operation and/or use of the System and except as allowed by law, does not attempt to develop any source code from the software, nor reverse engineer, decompile, disassemble, reverse translate, or otherwise translate the software into human readable form.

B. Contractor's Warranty and Maintenance Obligations Unaffected

Nothing contained in this article shall diminish, extinguish, or relieve the Contractor from its responsibilities and obligations to provide maintenance pursuant to this Agreement, including, but not limited to, providing maintenance for the Licensed Software, and the payment of any and all costs for such license maintenance to the licensor, or others as may be required In the event the County has independent of the Contractor, purchased Software or other software pertaining to the Equipment, the Contractor's right to maintain the Equipment is conditioned and contingent upon the County's having valid licenses for the Software or other software pertaining to such Equipment.

10.2 Software

The Contractor shall provide the County with Documentation, satisfactory to the County, confirming that the Contractor has acquired on the County's behalf all Software licenses required

The Contractor shall, at its own expense, secure and administer for the County, in the County's name, any and all necessary sublicenses or direct licenses for the third party sublicenses and direct licenses upon the same terms and conditions as the license between the Contractor and the County contained herein and additional terms and conditions which, in the County's sole discretion, are acceptable to the County The terms and conditions of such licenses or sublicense agreements shall include, but not be limited to, the right of the County pursuant to the original manufacturer's license and the Department's approved purchase order (i) to make multiple copies of the software, (ii) to use the software on multiple processors utilized by the County or entities affiliated with the County, at no additional licensing fee; and (iii) to maintain and modify the third party software without restriction The requirements shown in article 10 of this Agreement applies to all licenses required in the Technical Specification such as, but not limited to, Software needed for Help Desk, Network Operation Center, and STS Billing If Contractor believes other software and resulting license(s) that may be required from time to time during the term of this Agreement does not apply or comply or deviates with the terms stated herein, the Contractor shall immediately notify the County of the situation, and for review and approval prior to procurement.

The Contractor hereby grants to the County, and/or its agents, suppliers and vendors a perpetual, non-exclusive, irrevocable license to use the Contractor's Licensed Software, in both source and object code pursuant to the following paragraph, for any purpose not expressly forbidden by the terms in this sub-article 10.2 and as more fully described in the "Scope of License" provision below Such license shall include but be limited to, the unrestricted right of the County to provide the Licensed

Software, including the Documentation and programs therefore, to any other person(s) or entity(ies) for their use in connection with providing goods and/or services to the County.

The Contractor shall require that its Subcontractors and suppliers also grant to the County, and/or its agents, suppliers and vendors, perpetual, non-exclusive, irrevocable licenses to use the third party software in object code form, and for Contractor developed software in both source and object code form, for any purpose not expressly forbidden by the terms hereof. Such licenses shall also include but not be limited to, the unrestricted right of the County to provide the third party software, Documentation and programs therefore, to any other person(s) or entity(ies) for their use in connection with providing goods and/or services to the County.

As used above, "irrevocable" shall include, but not be limited to, the right of the County to continue using the Contractor's Licensed Software or third party software irrespective of any breach or default pursuant to the terms hereof.

A. Scope of License

The County may use the Licensed Software on any and all equipment configurations of whatever make, manufacture and/or model, owned controlled or contracted for, by the County or entities controlling, controlled by, under common control with, or affiliated with the County, or organizations which may hereafter be formed by or become affiliated with the County or which may assume the responsibilities of the County or any successors of the County, all of which uses are subject to the provisions of this subarticle 10.2.

B. Software related Documentation

The Licensed Software related Documentation shall (i) consist of any and all operator's and users manuals, training materials, guides, listings, design documents, specifications, flow charts, data flow diagrams, commentary, and other materials and documents that explain the performance, function or operation of individual programs and the interaction of programs within the system, (ii) control file and scripts used to compile, link, load and/or make the applications and systems, and (iii) test scripts, test plans and test data and other materials for use in conjunction with the applicable software. The Documentation will in all cases be fully applicable to the use of the programs with the Equipment, and will identify and reflect any particular features of the Equipment which may affect the normal use and operation of the programs. The County will have the right, as part of the Agreement to make as many additional copies of the Documentation as it may deem necessary

C. Ownership of Licensed Software

The Contractor hereby warrants and represents that the Contractor possesses all rights to and interest in the Licensed Software, and all portions thereof, or otherwise have the right to grant to the County the affected licenses, without violating any rights of any third party.

D. County to Execute License Agreements

The County understands that suppliers of software including the Contractor may require the County to execute license agreements in order to use the software. Contractor understands that the County is a governmental entity and may not be able to execute such an agreement, as a matter of law or administrative policy among other things, because of the terms and provisions contained therein. In the event Equipment to be supplied by the Contractor requires the County to execute a separate software license agreement, whether with the Contractor or a third party

supplier of such software, then the Contractor will notify the County of such circumstances, and provide the County with a copy of the software license agreement. Contractor will not provide the County with any Equipment, System or Sub-System where the operation or use thereof is contingent upon the executed license agreement, unless and until the County has informed the Contractor that the County is willing and able to execute such license agreement.

ARTICLE 11
NATURE OF THE AGREEMENT

The Contractor shall provide the Services set forth in the Scope of Services article to this Agreement, and render full and prompt cooperation with the County in all aspects of the Services performed hereunder.

The Contractor acknowledges that this Agreement requires the performance of all things necessary for or incidental to the effective and complete performance of all Work and Services under the Agreement. All things not expressly mentioned in this Agreement, necessary to either enforce or carrying out its purpose and intent are implied, and the Parties shall perform the same as though they were specifically mentioned, described and delineated.

The Contractor shall furnish all labor, materials, tools, supplies, and other items required to perform the Work and Services that are necessary for the completion of this Agreement. All Work and Services shall be accomplished at the direction of and to the satisfaction of the Manager.

The Contractor acknowledges that the County shall be responsible for making all policy decisions regarding the Services. The Contractor agrees to provide input on policy issues in the form of recommendations. The Contractor agrees to implement any and all changes in providing Services hereunder as a result of a policy change implemented by the County. The Contractor agrees to act in an expeditious, fiduciary, and fiscally sound manner in providing the County with input regarding the time and cost to implement said changes and in executing the activities required to implement said changes.

The Contractor shall not have liability for the immediate or long-term effects of matters related to any action or inaction by the Department. Further, if a lawsuit is brought against the Contractor, by a third party that is neither an employee nor supplier of the Contractor, and the claim is based upon the Contractor's action or inaction which occurs based upon the Department's action or inaction under this Agreement, then the Contractor may bring a Third-party claim against the County.

ARTICLE 12
MANNER OF PERFORMANCE

The Contractor shall provide the Services described herein in a competent and professional manner satisfactory to the County in accordance with the terms and conditions of this Agreement. The County shall be entitled to a satisfactory performance of all Services described herein and to full and prompt cooperation by the Contractor in all aspects of the Services. At the request of the County the Contractor shall promptly remove from the project any Contractor's employee, Subcontractor, or any other person performing Services hereunder. The Contractor acknowledges that such removal of any of its employees does not require the termination or demotion of any employee by the Contractor.

The Contractor agrees to defend, hold harmless and indemnify the County and shall be liable and responsible for any and all claims, suits, actions, damages and costs (including

attorney's fees and court costs) made against the County, occurring on account of, arising from or in connection with the removal and replacement of any Contractor's personnel performing Services hereunder at the behest of the County.

The Contractor agrees that at all times it will employ, maintain and assign to the performance of the Services a sufficient number of competent and qualified professionals and other personnel to meet the requirements referenced in this Agreement. The Contractor agrees to adjust its personnel staffing levels or to replace any of its personnel if so directed upon reasonable request from the County, should the County make a determination, in its sole discretion, that said personnel staffing is inadequate or inappropriate, or that any individual is not performing in a manner consistent with the requirements for the position.

The Contractor warrants and represents that its personnel have the proper skill, training, background, knowledge, experience, rights, authorizations and licenses as necessary to perform the Services described herein in a competent and professional manner.

The Contractor shall at all times cooperate with the County, and coordinate its work efforts and those of its Subcontractors, to most effectively and efficiently maintain the progress in performing the Services. Similarly, the County shall at all times cooperate with the Contractor and coordinate its work efforts, and those of the County's independent contractors, to most effectively and efficiently maintain the progress in the Contractor's performance of its Services.

The Contractor shall comply with all provisions of all federal, state and County laws, statutes, ordinances, and regulations that are applicable to the performance of this Agreement.

ARTICLE 13
TERM OF AGREEMENT

The term of this Agreement will be five (5) years; the County reserves the right to extend this Agreement for up to an additional two (2) years, in one (1) year increments, on the same terms and conditions contained herein, unless terminated under provisions contained herein. For each one (1) year extension period, the County shall issue a written notice to the Contractor of the County's election to extend this Agreement, one hundred-twenty (120) days prior to the expiration of the term of the Agreement. The maximum term of the Agreement with extensions is not to exceed seven (7) years. At anytime during the term of this Agreement the County may terminate the Agreement without cause on thirty (30) days written notice to the Contractor, provided however, that the Agreement shall have a minimum term of no less than three (3) years unless terminated earlier for cause.

ARTICLE 14
CONTRACTOR REPRESENTATIONS AND WARRANTIES

When the Contractor procures parts, equipment, and software necessary to perform the Work described herein it represents and warrants it shall transfer the unencumbered title to Miami-Dade County, for all telecommunications, data, software, licenses, permits, and other assets used to provide Services pursuant to this Agreement.

ARTICLE 15
PROJECT MANAGER AND RESOLUTION OF DISPUTES

The Project Manager shall coordinate all County responsibilities under this Agreement. All instructions from the County to the Contractor shall be issued by or through the Project Manager. Except for MDAD Information Systems and Telecommunications Division, and SATS customers, the Contractor shall notify any other person who attempts to give instructions that he or she must communicate with the Project Manager. The authority of the Project Manager is as follows.

a) The Project Manager will determine (i) questions as to the value, acceptability and fitness of the Services; (ii) questions as to either party's fulfillment of its obligations under the Agreement, and (iii) questions as to the interpretation of the Scope of Services.

b) Contractor acknowledges and agrees that the Project Manager has no authority to make changes that would modify the scope of services to be provided under this Agreement.

c) The Contractor shall be bound by the determinations or orders specifically authorized under this Agreement and shall promptly obey and follow every order of the Project Manager specifically authorized under this Agreement, including the withdrawal or modification of any previous order and regardless of whether the Contractor agrees with the Project Manager's determination or order. Where orders are given orally, they will be issued in writing by the Project Manager as soon thereafter as is practicable

In the event of a dispute, the Contractor must first seek to resolve every difference concerning the Agreement with the Project Manager, for a period of thirty (30) days or such longer period as agreed upon by the Parties, which shall be a condition precedent to any lawsuit permitted hereunder. In the event the Contractor seeks to contest an issue or difference for which there has been administrative review by the Project Manager, such subsequent lawsuit shall be considered a *de novo* proceeding

ARTICLE 16
COUNTY EXPENDITURE AUTHORITY

The dollar thresholds for obtaining project management services, procurement of material, equipment and inventory, and an increase in the management fee and appropriate authority levels are described as follows:

A. **PURCHASES OF GREATER THAN $500,000**
APPROVAL AUTHORITY: BOARD OF COUNTY COMMISSIONERS
The Board shall award all contracts greater than $500 000, and approve all contract modifications required of this Agreement.

B. **PURCHASES OF $100,000 UP To $500,000**
APPROVAL AUTHORITY: MDAD DIRECTOR
Each individual purchase of $100,000 or more and each continuing contract which can reasonably be anticipated to aggregate $100,000 or more within twelve (12) months.

C. **PURCHASES OF $5,000 BUT LESS THAN $100,000**
APPROVAL AUTHORITY: MDAD ASSISTANT DIRECTOR

Each individual purchase of $5,000 but less than $100,000 and each continuing contract which can reasonably be anticipated to be within this range within twelve (12) months.

D. **SMALL PURCHASE ORDER (LESS THAN $5,000)**
APPROVAL AUTHORITY: MANAGER

Each individual purchase request with a total value of less than $5,000, for a specific commodity, during one (1) fiscal year.

Any change, modification, additional service, equipment or parts that causes the financial obligation of the County to exceed the amount of authority of those noted above shall be presented for approval to the next higher authority level If the Contractor fails to obtain the proper authorization as described above, then the County shall be absolved from payment of the liability

ARTICLE 17
SUBCONTRACTUAL RELATIONS

If the Contractor will cause any part of this Agreement to be performed by a Subcontractor, the provisions of this Agreement will apply to such Subcontractor and its officers, agents and employees in all respects as if it and they were employees of the Contractor, and the Contractor will not be in any manner thereby be discharged from its obligations and liabilities hereunder, but will be liable for all acts omissions, or negligence of the Subcontractor, its officers, agents, and employees, as if they were employees of the Contractor The services performed by the Subcontractor will be subject to the provisions hereof as if performed directly by the Contractor.

The Contractor, before making any subcontract for any portion of the Services, will state in writing to the County the name of the proposed subcontractor, the portion of the Services that the subcontractor is to do, the place of business of such subcontractor, and such other information as the County may require The County has the right to require the Contractor ~~not to award any subcontract to a person, firm, corporation, or joint venture disapproved or~~ debarred by the County.

Before entering into any subcontract hereunder, the Contractor will inform the subcontractor of all provisions and requirements of this Agreement relating either directly or indirectly to the Services to be performed Such services performed by such subcontractor will strictly comply with the requirements of this Agreement.

In order to qualify as a subcontractor satisfactory to the County, in addition to the other requirements herein provided, the subcontractor must be prepared to prove to the satisfaction of the County that it has the necessary facilities, skill and experience, license(s), and ample financial resources to perform the Services in a satisfactory manner. To be considered skilled and experienced, the subcontractor must show to the satisfaction of the County that it has satisfactorily performed services of the same general type that is required to be performed under this Agreement.

The County shall have the right to withdraw its consent to a subcontract if it appears to the County that the subcontract will delay, prevent, or otherwise impair the performance of the Contractor's obligations under this Agreement. All subcontractors are required to protect the confidentiality of the County and County's proprietary and confidential information.

Contractor shall furnish to the County copies of all subcontracts between the Contractor and Subcontractors hereunder.

The Contractor shall, where agreed to by the Subcontractor, insert a clause for the benefit of the County within each respective subcontract, which permits the County to request completion of performance by the Subcontractor of its obligations under the contract. Contractor agrees that the County shall be permitted to request completion of performance by the Subcontractor of its obligations under the subcontract, in the event that the Contractor is in breach of its obligations, and the option to pay the Subcontractor directly for the performance by such Subcontractor. Should either the Contractor or Subcontractor(s) violate the terms of this article, the County may order all or any part of the subcontract work stopped, and may elect to complete the work itself or enter into an agreement with a third party to have the work completed. The cost to complete the work may be deducted from any unpaid balance payable to the Contractor. If there exists no unpaid balance, or if the completion cost is in excess of the unpaid balance, the Contractor shall reimburse the County for this sum, plus any costs of collection The Contractor shall be entitled to be paid for work performed to the time the work was stopped by the County. Notwithstanding, the foregoing shall neither denote, connote, nor convey any obligation or liability on the part of the County to any Subcontractor.

NOTHING CONTAINED IN THIS AGREEMENT SHALL CREATE ANY CONTRACTUAL RELATIONSHIP BETWEEN ANY SUBCONTRACTOR AND THE COUNTY, OR ANY OBLIGATION ON THE PART OF COUNTY TO PAY ANY SUMS TO ANY SUBCONTRACTOR.

ARTICLE 18
ASSIGNMENT

Neither this Agreement nor any interest herein shall be assigned, or transferred by either party without prior written consent of the other party and said consent shall not be unreasonably withheld.

Contracts Assignable

All contracts, purchase agreements, and purchase orders entered into by the Contractor for the purchase of goods, capital equipment and services specifically pursuant to this Agreement, shall be assigned, with the consent of the Subcontractor, by the Contractor to the County or others as designated by the Department, upon either the request of the Department or termination of this Agreement. If such contracts, purchase agreements and purchase orders contain language acceptable to the Department, reflecting that they are assignable as provided herein, then upon such assignment, the Contractor shall be relieved from any further responsibility to the County under such contracts, agreements and orders, provided however, that the Contractor shall be liable for and shall indemnify the County with respect to any prospective or outstanding claims, set off, or payments due, with respect to said contracts, agreements, and orders which accrued prior to such assignment to the County

ARTICLE 19
PROPRIETARY INFORMATION

As a political subdivision of the State of Florida, Miami-Dade County is subject to the stipulations of Florida's Public Records Law, Chapter 119, Florida Statutes.

The Contractor acknowledges that all computer software in the County's possession may constitute or contain information or material which the County has agreed to protect as proprietary information from disclosure or unauthorized use, and may also constitute or contain information or material which the County has developed at its own expense, the disclosure of which could harm the County's proprietary interest therein.

The County acknowledges that software licensed by the Contractor pursuant hereto may constitute or contain information or material which the County has agreed to protect as proprietary information from disclosure or unauthorized use, and may also constitute or contain information or material which the Contractor has developed at its own expense, the disclosure of which could harm the Contractor's proprietary interest therein

During the term of the Agreement, the Contractor and the County except as required by Chapter 119, Florida Statutes, will not use directly or indirectly for itself or for others, or publish or disclose to any third party, or remove from the County's property, any computer programs, data compilations, or other software which the County or Contractor has developed, used or is using, is holding for use, or which is otherwise in the possession of the County (the "Computer Software") All third party license agreements must also be honored by the Contractor and its employees, and by the County, and if the Computer Software has been leased or purchased by the County, all third party license agreements must also be honored by the Contractor's employees and Subcontractors. This includes mainframe, minicomputers, telecommunications, personal computers and any and all information technology software.

The Contractor will report to the County and the County shall report to the Contractor, any information discovered or disclosed to the Contractor or the County which may relate to the improper use, publication, disclosure or removal from the other's property of any information technology software and hardware, and will take such steps as are within the Contractor's or the County's authority, respectively, to prevent improper use, disclosure or removal

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ARTICLE 20
PROPRIETARY RIGHTS

All rights, title and interest in and to materials, data, Documentation, certain inventions, designs and methods, specifications and related thereto developed by the Contractor and its Subcontractors, customized or created specifically for the County for use in connection with this Agreement ("Developed Works"), shall become the property of the County.

The Contractor hereby acknowledges and represents that the County retains all rights, title and interests in and to the Developed Works, and copies thereof furnished by the County to the Contractor hereunder, or furnished by the Contractor to the County and/or created by the Contractor for delivery to the County, even if unfinished or in process which are customized or created specifically for the scope of services provided herein and which are created as a result of the Services the Contractor performs in connection with this Agreement, including all copyright and other proprietary rights therein, which the Contractor

as well as its employees, agents, Subcontractors and suppliers may use only in connection of the performance of Services under this Agreement.

The Contractor shall not, without the prior written consent of the County, use such Developed Works on any other project in which the Contractor or its employees, agents, Subcontractors or suppliers are or may become engaged. Submission or distribution by the Contractor to meet official regulatory requirements or for other purposes in connection with the performance of Services under this Agreement shall not be construed as publication in derogation of the County's copyrights or other proprietary rights.

Accordingly, neither the Contractor nor its employees, agents, subcontractors or suppliers shall have any proprietary interest in such Developed Works The Developed Works may not be utilized, reproduced, or distributed by or on behalf of the Contractor, or any employee, agent, subcontractor, or supplier thereof, without the prior written consent of the County, except as required for the Contractor's performance under this Agreement, or as required by law.

Except as otherwise provided above, or elsewhere herein, the Contractor and its Subcontractors and suppliers hereunder shall retain all proprietary rights in and to all Licensed Software provided hereunder, that has not been customized to satisfy the performance criteria set forth in the Scope of Services article to this Agreement. Notwithstanding the foregoing the Contractor hereby grants, and shall require that its subcontractors and suppliers grant County a perpetual, irrevocable and unrestricted right and license to use, duplicate, disclose and/or permit any other person(s) or entity(ies) to use all such Licensed Software and the associated specifications, technical data and other Documentation for the operations of the County or entities controlling, controlled by, under common control with, or affiliated with the County, or organizations which may hereafter be formed by or become affiliated with the County.

Such license specifically includes, but is not limited to, the right of the County to use and/or disclose, in whole or in part, the technical Documentation and Licensed Software provided hereunder, to any person or entity outside the County for such person's or entity's use in furnishing any and/or all of the deliverables provided hereunder exclusively for the County or entities controlling, controlled by, under common control with, or affiliated with the County, or organizations which may hereafter be formed by or become affiliated with the County. No such Licensed Software, specifications, data, Documentation or related information shall be deemed to have been given in confidence and any statement or legend to the contrary shall be void and of no effect

ARTICLE 21
CONFIDENTIALITY

All Developed Works constitute confidential information and may not, without the prior written consent of the County, be used by the Contractor or its employees, agents, subcontractors or suppliers for any purpose other than for the benefit of the County, unless required by law. Neither the Contractor nor its employees, agents, subcontractors or suppliers may sell, transfer, publish, disclose, display, license or otherwise make available to others any part of the Developed Works without the prior written consent of the County

The Contractor shall advise its employees, agents, subcontractors and suppliers who may be exposed to such Developed Works of their obligation to keep such information confidential and Contractor shall promptly advise the County, in writing if it learns of any unauthorized use or disclosure of the Developed Works by any of its current or former employees, agents, or subcontractors or suppliers. In addition, the Contractor agrees to

cooperate fully and provide any assistance necessary to ensure the confidentiality of the Developed Works.

It is understood and agreed that in the event of a breach of this article, damages may not be an adequate remedy, and the County shall be entitled to injunctive relief to prevent any such breach or threatened breach Unless otherwise requested by the County, upon the completion of the Services performed hereunder, the Contractor shall immediately return to the County all such Developed Works existing in tangible form, and no copies thereof shall be retained by the Contractor's employees, agents, subcontractors or suppliers without the prior written consent of the County. This Confidentiality article will survive the termination of this Agreement, and will be in effect for all periods in which the Contractor retains copies of the Developed Works. The Contractor remains liable to the County for any breach of this article until all copies of the Developed Works have been returned to the County

ARTICLE 22
ACCOUNTING RECORDS AND AUDIT PROVISIONS

The County reserves the right to audit the accounts and records of the Contractor supporting all payments for Services hereunder and all Reimbursable Expenses including, but not limited to, payroll records and federal tax returns. The County shall have unrestricted access to all of the Contractor's books and records that pertains to the Contractor's operation under this Agreement In addition, the County shall have unrestricted right to audit, either by County staff or an audit firm chosen by the County. Such audit may take place during reasonable business hours for the period of the performance of this Agreement and for three (3) years after final payment under this Agreement. The Contractor shall maintain, as part of its regular accounting system, records of a nature and in a sufficient degree or detail to enable such audit to determine the personnel hours and personnel costs and other expenses associated with the Agreement. It is further agreed that said compensation provided for in this Agreement shall be adjusted to exclude any significant costs where the County determines that the payment for Services was increased due to inaccurate, incomplete or non-current wage rates or other factual unit costs. All such adjustments in compensation paid or payable to Contractor under this Agreement shall be made within three (3) years from the date of final billing or acceptance of the Services by the County, whichever is later. The Contractor shall pay for all audit-related expenses where the audit findings aggregate to greater than or equal to three percent (3%) of the correct amount the County should have paid or been invoiced. The three percent (3%) audit-related expense threshold only applies to the amount(s) audited, and not all of the Contractor's billings. Any overpayment amount(s) discovered by audit shall be reimbursed to the County within fifteen (15) day of notice of the audit results to the Contractor

ARTICLE 23
IPSIG AND INSPECTOR GENERAL REVIEWS

23.1. Independent Private Sector Inspector General Reviews

Pursuant to Miami-Dade County Administrative Order No 3-20, the Contractor is aware that, when applicable, the County has the right to retain the services of an independent private sector Inspector General (the "IPSIG"), whenever the County deems it appropriate to do so. The County shall have the right but not the obligation to retain the services of an IPSIG who may be engaged to audit, investigate, monitor, oversee, inspect and review the operations, activities and performance of the Contractor and County in connection with this Contract. The scope of services performed by an IPSIG may include, but are not limited to, monitoring and

investigating compliance with contract specifications; project costs; and investigating and preventing corruption and fraud.

The IPSIG may perform its services at all levels of the contracting and procurement process, including but not limited to, project design, establishment of bid specifications, bid submittals, activities of Contractor, its officers, agents and employees, lobbyists, County staff and elected officials.

Upon ten (10) days written notice to Contractor from an IPSIG, the Contractor shall make all requested records and documents available to the IPSIG for inspection and copying. The IPSIG shall have the right to examine all documents and records in the Contractor's possessions, custody or control which, in the IPSIG's sole judgment, pertain to performance of the contract, including, but not limited to, original estimate files; change order estimate files, worksheets, proposals and agreements from and with successful and unsuccessful subcontractors and suppliers; all project-related correspondence, memoranda, instructions, financial documents, construction documents, bid and contract documents, back-charge documents, all documents and records which involve cash, trade or volume discounts, insurance proceeds, rebates, or dividends received, payroll and personnel records, and supporting Documentation for the aforesaid documents and records.

23.2 **Inspector General**

Pursuant to Miami-Dade County Ordinance No. 97-215, the County has established the Office of the Inspector General (the "Inspector General"), which is empowered to conduct random audits on all County contracts throughout the duration of each contract. In addition, the Inspector General has the power to subpoena witnesses, administer oaths, require the production of witnesses and monitor existing projects and programs. Monitoring of an existing project or program may include a report concerning whether the project is on time, within budget and in conformance with plans, specifications and applicable law. The Inspector General is empowered to retain the services of independent private sector inspector generals to audit, investigate, monitor, oversee, inspect and review operations, activities, performance and procurement process including but not limited to project design, bid specifications, proposal submittals, activities of the Contractor, its officers, agents and employees, lobbyists, and County staff and elected officials to ensure compliance with contract specifications and to detect fraud and corruption.

The Inspector General shall have the right to inspect and copy all documents and records in the Contractor's possession, custody or control which in the Inspector General's sole judgement, pertain to performance of the Contract, including but not limited to original estimate files, change order estimate files, worksheets, proposals and agreements from and with successful and unsuccessful subcontractors and suppliers, all project-related correspondence, memoranda, instructions, financial documents, construction documents proposal and contract documents, back-change documents, all documents and records which involve cash, trade or volume discounts, insurance proceeds, rebates, or dividends received, payroll and personal records and supporting documentation for the aforesaid documents and records The provisions in this section shall apply to the Contractor, its officers, agents, employees, Subcontractors and suppliers. The Contractor shall incorporate the provisions in this section in all subcontracts and all other agreements executed by the Contractor in connection with the performance of this Contract.

23.3 General Provisions

Nothing herein shall limit the right of the Contractor to contest any action by the IPSIG or the Inspector General on any legal or equitable ground.

Nothing in this article shall impair any independent right to the County to conduct audits or investigate activities. The provisions of this article are neither intended nor shall be construed to impose any liability on the County by the Contractor or third parties.

23.4 The County shall be responsible for the payment of these IPSIG and Inspector General services and for the payment of costs of Contractor related to actions by the IPSIG and/or the Office of the Inspector General for clerical staff time for obtaining and copying the Documentation, and any documents, provided however, the Contractor shall pay for all audit-related expenses where the audit findings aggregate to greater than or equal to three percent (3%) of the correct amount the County should have paid or been invoiced. The three percent (3%) audit-related expense threshold only applies to the amount(s) audited, and not all of the Contractor's billings Any overpayment amount(s) discovered by audit shall be reimbursed to the County within fifteen (15) day of notice of the audit results to the Contractor. Nothing contained in this provision shall impair any independent right of the County to conduct an audit or to review the operations, activities and performance of the Contractor as and to the extent as provided under this Agreement.

ARTICLE 24
COMMUNITY SMALL BUSINESS ENTERPRISE

24.1 This Agreement will adhere to all Miami-Dade County ordinances with special attention to all ordinances that relate to the Community Small Business Enterprise ("CSBE") Participation program

24.2 The following has been established according to the CSBE program.

Contract Measure 4% Goal

~~All Proposers are directed to and~~ **are required to adhere to** the attached "REVISED OCTOBER 2001, Miami-Dade County Florida, Department of Business Development (DBD). CSBE (Ordinance 97-52 & A O 3-22, as amended) Participation Provisions," included within these Contract Documents which delineates the requirements of this County program and the requirements for attaining the CSBE contract measure of a four percent (4%) goal, all in accordance with applicable federal and state laws, and County ordinances

ARTICLE 25
EQUAL EMPLOYMENT OPPORTUNITY
NONDISCRIMINATION AND AFFIRMATIVE ACTION

25.1 Equal Employment Opportunity

The Contractor shall neither discriminate against any employee or applicant for employment because of age, sex, race, color, religion, marital status, place of birth or national origin, ancestry, nor in accordance with the Americans with Disabilities Act, discriminate against any otherwise qualified employees or applicants for employment with disabilities who can perform the essential functions of the job with or without

reasonable accommodation The Contractor shall take affirmative actions to ensure that applicants are employed and that employees are treated during their employment without regard to age, sex, race, color, religion, marital status, place of birth or national origin, ancestry, or disability. Such actions include, but are not limited to, the following employment, upgrading, transfer or demotion, recruitment, recruitment advertising, layoff or termination, rates of pay of other forms of compensation, and selection for training including apprenticeships.

The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the County setting forth the provisions of this Equal Employment Opportunity clause. The Contractor shall comply with all applicable provisions of the Civil Rights Act of 1964, Executive Order 11246 of September 24, 1965, as amended by Executive Order 11375, revised Order No. 4 of December 1, 1971, as amended, the Americans with Disabilities Act, the Age Discrimination in Employment Act effective June 12, 1968, the rules, regulations and relevant orders of the Secretary of Labor, Florida Statutes §§ 112.041, 112.042, and 112.043, and Miami-Dade County Ordinance No. 75-46, Articles 3 and 4.

25.2 **Nondiscriminatory Access to Premises**
The Contractor, for itself, its personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree that (1) no person on the grounds of race, color, sex, national origin or ancestry shall be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of the Premises, (2) that the Contractor shall use the Premises in compliance with all other requirements imposed by or pursuant to then enforceable regulations of the Department of Transportation.

25.3 ***Breach of Nondiscrimination Covenants:***
In the event it has been determined that the Contractor has breached any enforceable nondiscrimination covenants contained in subarticles 25.1 (Equal Employment Opportunity) and 25.2 (Nondiscriminatory Access to Premises) above, pursuant to the complaint procedures contained in the applicable federal regulations, and the Contractor fails to comply with the sanctions and/or remedies which have been prescribed, the County shall have the right to terminate this Agreement pursuant to the Event of Default subarticle hereof.

25.4 **Nondiscrimination**
During the performance of this Agreement, the Contractor agrees as follows:

The Contractor shall, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants shall receive consideration for employment without regard to age, sex, race, color, religion, marital status, place of birth or national origin, ancestry, physical handicap or disability. The Contractor shall furnish all information and reports required by Executive Order 11246 of September 24, 1965, as amended by Executive Order 11375 and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to Contractor's books, records, accounts by the County and Compliance Review Agencies for purposes of investigation to ascertain the compliance with such rules, regulations, and orders. In the event of the Contractor's noncompliance with the nondiscrimination clauses of this Agreement or with any of the said rules, regulations, and orders, this Agreement may be cancelled, terminated, or suspended in whole or in part in accordance with Event of Default subarticle hereof and the

Contractor may be declared ineligible for further contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, as amended by Executive Order 11375 and such sanctions as may be imposed and remedies invoked as provided in Executive Order 11246 as amended or by rules, regulations, and orders of the Secretary of Labor, or as otherwise provided by law.

The Contractor shall include subarticles 25.1 and 25.2 above in all Contractor subcontracts in excess of $10,000, unless exempted by the rules, regulations or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, as amended by Executive Order 11375, so that such provisions shall be binding upon each Subcontractor.

25.5 **Disability Nondiscrimination Certification**

By entering into this Agreement with the County and signing the Disability Nondiscrimination Certification, the Contractor attests that it is not in violation of the Americans with Disabilities Act of 1990 (and related acts) or Miami-Dade County Resolution No R-385-95 If the Contractor or any owner, subsidiary or other firm affiliated with or related to the Contractor is found by the responsible enforcement officer, courts, or the County to be in violation of the act or the resolution, such violation shall render this Contract terminable in accordance with the Event of Default subarticle hereof. This Contract shall be void if the Contractor submits a false certification pursuant to this Resolution or the Contractor violated the Act or the Resolution during the term of this Contract, even if the Contractor was not in violation at the time it submitted its affidavit.

25.6 **Affirmative Action / Non Discrimination of Employment, Promotion and Procurement Practices**

In accordance with the requirements of Miami-Dade County Ordinance No 98-30, all firms with annual gross revenues in excess of $5 million seeking to contract with Miami-Dade County shall, as a condition of award, have a written Affirmative Action Plan and Procurement Policy on file with the County's Department of Business Development ("DBD") Said firms must also submit, as a part of their proposals/bids to be filed with the Clerk of the Board (the "Clerk"), an appropriately completed and signed Affirmative Action Plan/Procurement Policy Affidavit.

Firms whose Boards of Director are representative of the population make-up of the nation are exempted from this requirement and must submit, in writing, a detailed listing of their Boards of Directors, showing the race or ethnicity of each board member, to DBD Firms claiming exemption must submit, as part of their proposal/bids to be filed with the Clerk, an appropriately completed and signed Exemption Affidavit in accordance with Ordinance No 98-30. These submittals shall be subject to periodic review to assure that the entities do not discriminate in their employment and procurement practices against minorities and women/owned businesses

It shall be the responsibility of each firm to provide verification of their gross annual revenues to determine the requirement for compliance with the ordinance. Those firms that do not exceed $5 million annual gross revenues must clearly state so in their bid/proposal.

ARTICLE 26
INDEMNIFICATION

26.1 Indemnification And Hold Harmless

The Contractor shall defend, indemnify, and save harmless the County, and its officers (elected or otherwise), employees, and agents (collectively "Indemnitees"), from any and all claims, demands, liability, losses, expenses and causes of actions, arising from personal injury (including death, property damage (including loss of use thereof), economic loss, or any other loss or damage), due in any manner to the negligence, act, or failure to act of the Contractor or its contractors, subcontractors, sub-subcontractors, materialmen or agents of any tier of their respective employees arising out of or relating to the performance of the Work covered by this Contract except as expressly limited herein The Contractor shall pay all claims and losses of any nature whatsoever in connection therewith and shall defend all suits in the name of the County, when applicable, including appellate proceedings, and shall pay all costs and judgments which may issue thereon, provided however, that Contractor's obligation to indemnify or hold harmless the Indemnitees for damages to persons or property caused in whole or in part by any act, omission, or default of any Indemnitee arising from the Contract or is performance shall be limited to the greater of $1 million or the Contract amount. Further, this indemnification requirement shall not be construed to require the Contractor to indemnify any of the above-listed Indemnitees to the extent of such indemnities' own sole and gross negligence, or willful, wanton, or intentional misconduct of the Indemnitee or its officers, directors, agents, or employees, or for statutory violation or punitive damages except and to the extent the statutory violation or punitive damages are caused in whole or in part by or result from the acts or omissions of the indemnitor or any of the indemnitor's contractors, subcontractors, sub-subcontractors, materialmen, or agents of any tier or their respective employees This indemnification provision is in addition to and cumulative with any other right of indemnification or contribution which any Indemnitee may have in law, equity, or otherwise This provision shall survive early cancellation or termination of this Agreement.

26.2 County Liability

The County is a state agency or political subdivision as defined in Section 768 28, Florida Statutes, and agrees to be fully responsible for acts and omissions of its agents or employees to the extent permitted by law. Nothing herein is intended to serve as a waiver of sovereign immunity, nor shall it be construed as consent by a state agency or political subdivision of the State of Florida to be sued by third parties in any manner whether arising out of this Agreement or any other contract. The County acknowledges that it will not raise sovereign immunity as a defense to a contractual claim under this Agreement.

ARTICLE 27
PATENT AND COPYRIGHT INDEMNIFICATION

The Contractor warrants all deliverables furnished hereunder, including but not limited to: Equipment, programs, Documentation, Software, analyses, applications, methods, ways,

processes, and the like, do not infringe upon or violate any patent, copyrights, service marks, trade secret, or any other third party proprietary rights.

The Contractor shall be liable and responsible for any and all claims made against the County for infringement of patents, copyrights, service marks, trademarks, trade secrets or any other third party proprietary rights, by the use or supplying of any of the Contractor's or Contractor Subcontractor's provided programs, Documentation, Software, analyses, applications, methods, ways, processes, and the like, used in the course of performance or completion of, or in any way connected with, the Work or the County's continued use of the deliverables furnished hereunder. Accordingly, the Contractor at its own expense, including the payment of attorney's fees, shall indemnify, and hold harmless the County and defend any action brought against the County with respect to any claim, demand, cause of action, debt, or liability

In the event any deliverable or anything provided to the County hereunder, or portion thereof is held to constitute an infringement and its use is or may be enjoined, the Contractor shall have the obligation to use its best efforts to (i) modify, or require that the applicable Subcontractor or supplier modify, the alleged infringing item(s) at its own expense, without impairing in any respect the functionality or performance of the item(s), or at Contractor's sole option (ii) procure for the County, at the Contractor's expense, the rights provided under this Agreement to use the item(s).

The Contractor shall not knowingly infringe any copyright, trademark, service mark, trade secrets, patent rights, or other intellectual property rights in the performance of the Services

ARTICLE 28
INSURANCE

The Contractor shall furnish to the County's Risk Management Division, Certificate(s) of Insurance which indicate that insurance coverage has been obtained which meets the requirements as outlined below:

1. Workers' Compensation Insurance for all employees of the Contractor as required by Chapter 440, Florida Statutes

2. Public Liability Insurance on a comprehensive basis, in an amount not less than $1,000,000 combined single limit per occurrence for bodily injury and property damage The County must be shown as an additional insured with respect to this coverage.

3. Automobile Liability Insurance covering all owned, non-owned and hired vehicles, used in connection with the Services, in an amount not less than $5,000,000 combined single limit per occurrence for bodily injury and property damage

The insurance coverages required shall include those classifications, as listed in standard liability insurance manuals, which most nearly reflect the operations of the Contractor.

All insurance policies required above shall be issued by companies authorized to do business under the laws of the State of Florida with the following qualifications:

The company must be rated no less than "B" as to management, and no less than "Class V" as to financial strength, according to the latest edition of Best's Insurance Guide published by A M. Best Company, Oldwick, New Jersey, or its equivalent, subject to approval of the Miami-Dade County Risk Management Division

OR

The company must hold a valid Florida Certificate of Authority as shown in the latest "List of All Insurance Companies Authorized or Approved to Do Business in Florida", issued by the State of Florida Department of Insurance and are members of the Florida Guaranty Fund.

Certificates of Insurance will indicate that no modification or change in insurance shall be made without thirty (30) days written advance notice to the certificate holder.

Compliance with the foregoing requirements shall not relieve the Contractor of this liability and obligation under this article or under any other article in this Agreement.

This Agreement is contingent upon the receipt of the insurance documents within fifteen (15) calendar days after Board approval. If the insurance certificate is received within the specified time frame but not in the manner prescribed in this Agreement, the Contractor shall be verbally notified of such deficiency and shall have an additional five (5) calendar days to submit a corrected certificate to the County. If the Contractor fails to submit the required insurance documents in the manner prescribed in this Agreement within twenty (20) calendar days after Board approval, the Contractor shall be in default of the contractual terms and conditions and this Agreement will be terminated, unless such time frame for submission has been extended by the County.

The Contractor shall be responsible for assuring that the insurance certificates required in conjunction with this article remain in force for the duration of the Agreement. If insurance certificates are scheduled to expire during the Agreement, the Contractor shall be responsible for submitting new or renewed insurance certificates to the County at a minimum of thirty (30) calendar days in advance of such expiration. In the event that expired certificates are not replaced with new or renewed certificates, which cover the Agreement period, the County shall suspend the Agreement until such time as the new or renewed certificates are received by the County in the manner prescribed in this article; provided, however, that this suspension period does not exceed thirty (30) calendar days. Thereafter, the County may, at its sole discretion, terminate this Agreement.

ARTICLE 29
IRREVOCABLE STANDBY LETTER OF CREDIT OR PERFORMANCE AND PAYMENT BOND

29.1 Either an irrevocable letter of credit ("LOC") drawn on a state or national bank satisfactory to Miami-Dade County, and payable to Miami-Dade County, Florida, or a performance and payment bond (the "Performance Bond"), satisfactory to Miami-Dade County, Florida, shall be executed on the forms attached hereto as Exhibit "D", in the amount of not less than five million dollars (US$ 5,000,000) for the first year of the initial term of the Agreement shall be required of the Contractor. Except if notified by the County to change the amount of the LOC or the Performance Bond, as applicable, the Contractor is required to renew the LOC or the Performance Bond, as applicable, annually for the duration of the Agreement.

A. All bonds shall be written through surety insurers authorized to do business in the State of Florida as a surety, with the following qualifications as to management and financial strength according to the latest edition of Best's Insurance Guide, published by A.M. Best Company, Oldwick, New Jersey:

Bond (Total Agreement) Amount	Best's Rating
$ 500,001 to $1,500,000	B V
1,500,001 to 2,500,000	A VI
2,500,001 to 5,000,000	A VII

5,000,000 to 10,000,000	A VIII
Over $10,000,000	A IX

B. On agreement amounts of $500,000 or less, the bond provisions of Section 287.0935, Florida Statutes (2002) shall be in effect and surety companies not otherwise qualifying with this paragraph may optionally qualify by:

1) Providing evidence that the surety has twice the minimum surplus and capital required by the Florida Insurance Code at the time Notice to Negotiate was issued.

2) Certifying that the surety is otherwise in compliance with the State of Florida Insurance Code, and

3) Providing a copy of the currently valid Certificate of Authority issued by the United States Department of Treasury under §§ 31 U.S.C. 9304-9308

Surety insurers shall be listed in the latest Circular 570 of the United States Department of the Treasury (the "Treasury") entitled "Surety Companies Acceptable on Federal Bonds", published annually. The bond amount shall not exceed the underwriting limitations as shown in this circular.

C For contracts in excess of $500,000 the provision of subsection B above will be adhered to, plus the surety insurer must have been listed on the Treasury list for at least three (3) consecutive years, or currently hold a valid Certificate of Authority of at least $1.5 million dollars and listed on the Treasury list.

D Surety bonds guaranteed through United States Government Small Business Administration or Contractors Training and Development Inc. will also be acceptable

E The attorney-in-fact or other officer who signs a Performance Bond for a surety company must file with such bond a certified copy of his/her power of attorney authorizing him/her to do so.

29.2 The required Performance Bond shall be written by or through and shall be countersigned by, a licensed Florida agent of the surety insurer, pursuant to Section 624.425 of the Florida Statutes.

29.3 Either the LOC or the Performance Bond shall be delivered to the County with the executed Agreement.

29.4 In the event the bank issuing the LOC or the surety on the Performance Bond given by the Contractor becomes insolvent, or is placed in the hands of a receiver, or has its right to do business in its state of domicile or principal place of business, or the State of Florida suspended or revoked as provided by law, the County shall withhold all payments under the provisions of this Agreement until the Contractor has given a good and sufficient LOC(s) or Performance Bond(s) in lieu of the LOC(s) or Performance Bond(s) executed by such issuing bank or surety

29.5 Cancellation of any LOC or Performance Bond, or non-payment by the Contractor of any premium for any LOC or Performance Bond required by this Agreement shall constitute a breach of this Agreement. In addition to any other legal remedies, the County at its sole option may terminate this Agreement or pay such premiums, and deduct the costs thereof from any amounts which are or may be due to the Contractor

ARTICLE 30
PENALTIES FOR NON-PERFORMANCE

30.1 Monetary Penalty

The County shall impose a monetary penalty on the Contractor for failing to achieve the required service levels, response or timely completion failure to complete scheduled MAC work within the designated time schedule, and other performance measurements as more fully described below:

	Performance Measurement	Penalty Summary
1	Failure of Contractor to meet the monthly service levels as stated herein	Contractor shall credit back to County at a rate of $1,000 per incident
2.	Failure of Contractor to resolve or implement a MDAD approved Work-around within four (4) hours from notification to and approval from MDAD of critical or major problems.	Contractor shall credit back County at a rate of $5,000 per day for every critical or major classified problem related to Voice and Data Network that is either not resolved, or implemented and does not have an MDAD approved Workaround within four (4) hours of the problem.
3.	All projects, MACs, new installations, or provisioning shall be completed per the mutually agreed upon schedule and or the time frame if specified in this Agreement If completion is not within ten percent (10%) of the schedule/goal, penalties will be invoked.	Missed deadlines will be assessed by the County that are within the control of the Contractor Contractor shall credit back County at a rate of $1,000 per day in the event Contractor does not complete the work within ten percent (10%) of the agreed upon schedule/goal
4.	Having a number of complaints (referred to in 2.2 of Exhibit "A)" in any given month regarding responsiveness or inability to resolve in a timely manner	Contractor shall credit back to County at a rate of $500 per incident above the number indicated in 2.2 of Exhibit "A"
5	For all other service types not covered under 1 – 4 above in which their service requirements have not been met and penalties were stated in their respective 2.2 section in Exhibit "A".	Contractor shall credit back to County at a rate of $500 per incident

The Parties recognize that the extent and calculation of damages may be difficult to ascertain, therefore, they agree that penalties in the amount stated are reasonable and is in lieu of all other remedies.

All performance measurement penalties shown above shall be cumulative. The cumulative amount of all performance measurement penalties shall not exceed $250,000 per calendar year The monetary penalties shall be deducted from the Contractor's Management Fee invoice amount for the month. These monetary penalties shall not apply to the Contractor's

invoice amounts that are attributable to third party intervention, or any external events outside the Contractor's control.

30.2 **Actions Not Covered Under This Article**

Both Parties agree the penalties set forth in this article shall not apply to the extent the Services rendered by Contractor are affected by any of the following (i) unauthorized actions of the County's personnel; (ii) unauthorized actions of third parties not an agent, Subcontractor, or supplier of the Contractor; (iii) failure of software of equipment not administered by Contractor; (iv) modification of the Work by the County, or third party not an agent, Subcontractor, or supplier of the Contractor; (v) damage or malfunction of hardware or software cause by the County, or third party not an agent, Subcontractor, or supplier of the Contractor, or (vi) the Force Majeure conditions set forth elsewhere in this Agreement

ARTICLE 31
TERMINATION AND DEFAULT PROVISIONS

31.1 **Termination For Convenience and Suspension Of Work**

In addition to cancellation or termination as otherwise provided in this Agreement, the County may at any time, in its sole discretion, without cause, terminate this Agreement by thirty days (30) written notice to the Contractor, provided however, that this Agreement can only be terminated without cause if the Agreement is in effect for greater than three (3) years

31.2 **Actions at Termination**

a) The Contractor shall, upon receipt of such notice, and as directed by the County;

i. stop work on the date specified in the notice (the "Termination Date"),

ii take such action as may be necessary for the protection and preservation of the County's materials and property;

iii. cancel orders, but the County shall reimburse Contractor for all costs and expenses of such cancellation, provided that Contractor has, within five (5) business days, advised MDAD in writing that there may be cancellation costs, and to the extent known, an estimate of amount of these costs;

iv assign to the County and deliver to any location designated by the County any noncancelable orders not incorporated in the Services,

v take no action which will increase the amounts payable by the County under this Agreement; and

vi. implement a transition plan pursuant to the Transition Program Services subarticle of the Telecommunications and Network Management Services Specification as required in Exhibit "A"

b) In the event that the County exercises its right to terminate this Agreement pursuant to this article, the Contractor will be compensated as stated in the Payments and Cost Reimbursements article, herein, for the·

i portion of the Services completed in accordance with the Agreement and the work up to the Termination Date, and

ii noncancelable deliverables, that have been specifically developed for the sole purpose of this Agreement but not incorporated in the Services.

iii any additional charges, incurred by the Contractor, at the direction of the County, not covered in clause (b)(i), above

c) No claims for loss of anticipated profits or for any other reason in connection the cancellation, or termination of this Agreement shall be considered.

NOTE: **All compensation paid pursuant to this subarticle is subject to audit.**

31.3 Surrender of Office and Support Space

On or before the Termination Date of this Agreement, whether by lapse of time or otherwise, in accordance with the provisions contained herein, the Contractor shall vacate, quit and surrender and shall account for the support space, all furnishings, fixtures, equipment, software, vehicles, records, funds, inventories, commodities, supplies and other property of the County in as good order and condition as they were upon commencement of this Agreement or date of subsequent acquisition, reasonable and normal wear and tear excepted.

31.4 Removal of Personal Property

On or before the Termination Date of this Agreement, the Contractor shall remove all of its personal property from the support space Any personal property of the Contractor not removed in accordance with this subarticle may be removed by the Department for storage at the cost of the Contractor. Failure on the part of the Contractor to reclaim its personal property within thirty (30) days from the date of termination shall constitute a gratuitous transfer of title thereof to the County for whatever use and disposition is deemed to be in the best interests of the County.

31.5 Termination For Cause

a) The County may terminate this Agreement, if an individual or corporation or joint venture or other entity attempts to meet its contractual obligation with the County through fraud misrepresentation or material misstatement

b) The County may, as a further sanction, terminate or cancel any other contract(s) that such individual or corporation or joint venture or other entity has with the County and that such individual, corporation or joint venture or other entity shall be responsible for all direct and indirect costs associated with such termination or cancellation, including attorney's fees.

c) The foregoing notwithstanding, any individual, corporation or joint venture or other entity which attempts to meet its contractual obligations with the County through fraud, misrepresentation or material misstatement may be disbarred from County contracting for up to five (5) years in accordance with the County debarment procedures. The Contractor may be subject to debarment for failure to perform and all other reasons set forth in Section 10-38 of the Code of Miami-Dade County, Florida

d) The County may terminate this Agreement, if the Contractor fails to cure an event of default timely.

31.6 Contractor Event of Default

a. A default shall mean a breach of this Agreement by the Contractor (an "Event of Default"). In addition to those instances referred to herein as a breach, an Event of Default, shall include one (1) or more of the following:

i. the Contractor has violated the terms and conditions of this Agreement, including failing to respond to major and minor failures on a timely basis, unless the Contractor has paid the damages flowing therefrom, and made all necessary repairs associated with the failure(s);

ii. the Contractor has refused or failed, except in case for which an extension of time is provided, to supply a sufficient number of properly skilled personnel;

iii. the Contractor has failed to make prompt payment to Subcontractors or suppliers for any Services;

iv. the Contractor has become insolvent (other than as interdicted by the bankruptcy laws), or has assigned the proceeds received for the benefit of the Contractor's creditors, or the Contractor has taken advantage of any insolvency statute or debtor/creditor law, or the Contractor's affairs have been put in the hands of a receiver;

v. the Contractor has failed to obtain the approval of the County where required by this Agreement;

vi. the Contractor has failed to provide adequate assurances as required under subsection b below; or

vii. the Contractor has failed in a representation or warranty stated herein.

b. When, in the opinion of the County, reasonable grounds for uncertainty exist with respect to the Contractor's ability to perform the Services or any portion thereof, the County may request that the Contractor, within the time frame set forth in the County's request, provide adequate assurances to the County, in writing, of the Contractor's ability to perform in accordance with terms of this Agreement. Until the County receives such assurances, the County may request an adjustment to the compensation received by the Contractor for portions of the Services that the Contractor has not performed In the event that the Contractor fails to provide to the County the requested assurances within the prescribed time frame, the County may

i. treat such failure as a repudiation of this Agreement; and

ii. resort to any remedy for breach provided herein or at law, including but not limited to, taking over the performance of the Services or any part thereof either by itself or through others

c. In the event the County terminates this Agreement for default, the County or its designated representatives, may immediately take possession of all applicable equipment, materials, products, computer files and databases, Documentation, reports, data, or Developed Works

31.7 Notice of Default and Opportunity to Cure

If an Event of Default occurs, the County shall notify the Contractor (the "Default Notice"), specifying the basis for such default, and advising the Contractor that such default must be cured immediately or this Agreement with the County may be terminated. The Contractor can cure and rectify the default, to the County's

reasonable satisfaction, within thirty (30) days of actual notice of the Default Notice (the "Cure Period"). The County may extend the Cure Period and grant an additional period of such duration as the County shall deem appropriate without waiver of any of the County's rights hereunder, so long as, the Contractor has commenced curing such default and is effectuating a cure with diligence and continuity during such thirty (30) day period or any other period which the County prescribes. The Default Notice shall specify the date the Contractor shall discontinue the services on or before the Termination Date.

31.8 Remedies in the Event of Default

If an Event of Default occurs, the Contractor shall be liable for all damages resulting from the default, including but not limited to:

i. SATS revenues lost to the County;

ii. the difference between the cost associated with procuring the Services hereunder and the amount actually expended by the County for reprocurement of the Services, including procurement and administrative costs; and

iii. such other damages as the County may be entitled

31.9 County Event Of Default

The County shall be in default in the event (a "County Event of Default") that one of the following occurs:

(a) (i) the Contractor tenders all required documentation for payment under this Agreement, and

(ii) within fifteen (15) days, the County has not returned the invoice to the Contractor with an explanation of what is missing or incorrect; and

(iii) the County fails to pay that sum of money as and when due under this Agreement and fails to cure the nonpayment within thirty (30) days following receipt of written notice from the Contractor; or

(b) it commits a material breach of a nonpayment provision of this Agreement and fails to cure that breach within thirty (30) days after written notice describing the breach.

31.10 Contractor Remedies Upon County Default

In the event of a County Event of Default, the Contractor may exercise any right and seek any remedy provided at law or in equity.

31.11 Contractor Right Of Early Termination

In the event the County has reduced the level of the Contractor's staff below forty (40) persons or such greater reduction (provided however that no such reduction below forty (40) persons shall occur if the Agreement is in effect for less than three (3) years), such that the Contractor believes in good faith that it can no longer effectively discharge all of its duties under this Agreement, then the Contractor shall have the right to terminate this Agreement on thirty-five (35) days written notice to the County, unless the County rescinds the required Contractor staff reduction within ten (10) business days of receipt of the notice. The

reduction in the Contractor's staff under this subarticle, shall not include the total number of Contractor's staff that the County may reduce given a reduction in the Contractor's Services, pursuant to subarticle 4.1 of this Agreement.

ARTICLE 32
FORCE MAJEURE

If the performance of this Agreement, or any obligation contained in it, is prevented, restricted or interfered with by reason of either

1. fire, explosion, breakdown of plant, epidemic, hailstorm, hurricane, tornado, cyclone, flood, power failure, lightning, water, or other acts of God, or
2. war, revolution, terrorism, civil commotion, acts of public enemies, blockage, or embargo,

then the party affected, upon giving prompt notice to the other party, shall be excused from such affected performance on a day-to-day basis to the extent of such prevention, restriction or interference (and the other party shall likewise be excused from performance of its obligations on a day-to-day basis to the extent such party's obligations relate to the performance so prevented, restricted or interfered with); provided however, that the party so affected shall use its commercially reasonable efforts to avoid or remove such causes of non-performance and the Parties shall perform promptly whenever such causes are removed or ceased.

ARTICLE 33
CONFLICT OF INTEREST

Conflict of Interest Code of Ethics Ordinance: In connection with the terms and conditions of this Agreement, the Contractor agrees to adhere to and be governed by the County, Florida Conflict of Interest Code of Ethics Ordinance (Section 2-11.1 of the Code of Miami-Dade County, Florida) Notwithstanding the provisions of any federal, state or County law governing the activities of the Contractor hereunder, commencing as of the effective date of this Agreement and continuing for the term hereof, the Contractor shall not knowingly enter into any contract or other financial arrangement with any person, corporation, municipality, authority, county, state, country, or any tenant or airline, which would constitute a conflict with interest of the County hereunder or with the Services provided by the Contractor to the County hereunder. The Miami-Dade County Ethics Commission shall make determination(s), binding upon the Parties, as to whether conflicts exist or will exist, and if such relationship will be serious enough to constitute a conflict hereunder.

The Contractor represents that no officer, director, employee, agent, or a member of the immediate family or household of the aforesaid has directly or indirectly received or been promised any form of benefit, payment or compensation, whether tangible or intangible, in connection with the grant of this Agreement.

The Contractor also represents that, to the best of its actual knowledge:

(a) There are no undisclosed persons or entities interested with the Contractor in this Agreement This Agreement is entered into by the Contractor without any connection with any other entity or person making a proposal for the same purpose, and without collusion, fraud or conflict of interest. No elected or appointed officer or

official, director, employee, agent or other Contractor of the County, or of the State of Florida (including elected and appointed members of the legislative and executive branches of government), or a member of the immediate family or household of any of the aforesaid:

i) is interested on behalf of or through the Contractor directly or indirectly in any manner whatsoever in the execution or the performance of this Agreement, or in the Services, supplies or Work, to which this Agreement relates or in any portion of the revenues; or

ii) is an employee, agent, advisor, or consultant to the Contractor or to the best of the Contractor's knowledge any subcontractor or supplier to the Contractor.

(b) Neither the Contractor nor any officer, director, employee, agency, parent, subsidiary, or affiliate of the Contractor shall have an interest which is in conflict with the Contractor's faithful performance of its obligation under this Agreement; provided however, that the County, in its sole discretion, may consent in writing to such a relationship, provided the Contractor provides the County with a written notice, in advance, which identifies all the individuals and entities involved and sets forth in detail the nature of the relationship and why it is in the County's best interest to consent to such relationship

(c) The provisions of this article are supplemental to, not in lieu of, all applicable laws with respect to conflicts of interest. In the event there is a difference between the standards applicable under this Agreement and those provided by statute, the stricter standard shall apply.

(d) In the event the Contractor has no prior knowledge of a conflict of interest as set forth above and acquires information which may indicate that there may be an actual or apparent violation of any of the above, the Contractor shall promptly bring such information to the attention of the Project Manager. Contractor shall thereafter cooperate with the County's review and investigation of such information, and comply with the instructions the Contractor receives from the Project Manager in regard to remedying the situation.

ARTICLE 34
MISCELLANEOUS PROVISIONS

34.1. **Binding Effect**

The terms, conditions and covenants of this Agreement shall inure to the benefit of and be binding upon the Parties hereto and their successors and assigns. This provision shall not constitute a waiver of any conditions prohibiting assignment or subletting

34.2. **Contractor Limitation of Liability**

a) The Contractor and its Subcontractors shall not be liable for:

(i) any indirect, incidental, consequential, special or exemplary damages, except as it pertains to SATS revenues where the Contractor and its Subcontractor(s) shall be liable for consequential damages in an amount not to exceed $1,000,000;

(ii) any damages of any kind resulting from unauthorized use of or intrusion into the system, including toll fraud. This provision applies to all claims whether based upon breach of warranty, breach of contract, negligence, strict liability in tort where any other legal theory, and regardless of whether the Contractor or its subcontractors have been advised of the possibility of such damage or loss, except for damages resulting if the Contractor or its subcontractors fail to take explicit remedial action based upon the directive of the Department.

b) If a voice system or any other component thereof supports voice over IP protocol (telephony or transmission control protocol/internet protocol), the County may experience certain compromises in performance, liability and security, even when the System is in good working order. These compromises may become more acute if the County fails to follow the Contractor's or the manufacturer's recommendations for configuration, operation and use of the System. The County acknowledges that it is aware of these risks and that it has determined they are acceptable for its application of the System, and the County will not assert any claim against Contractor for such compromises. The County further acknowledges and agrees that the County is solely responsible for:

(i) ensuring that its network and systems are adequately secured against unauthorized intrusion, and

(ii) backing up its data and files.

34.3. **Other County Rights**

Contractor shall be liable for any physical damage it causes to the Equipment, System or circuits. This liability is limited to (i) the Contractor's repair of the system or component thereof, or if the system or component cannot be repaired, replacement with a comparable system or component; and (ii) any other such damages to the County arising from the physical damage caused by the Contractor. The County may also bring any suit or proceeding for specific performance or for an injunction

34.4. **No Estoppel or Waiver**

No acceptance, order, measurement, payment, or certificate of or by a party or its employees or agents shall estop the other party from asserting any right of the ensuing Agreement. There shall be no waiver of the right of a party to demand strict performance of any of the provisions, terms and covenants of this Agreement, nor shall there be any waiver of any breach, default or non-performance hereof by the other party unless such waiver is explicitly made in writing by the party No delay or failure to exercise a right under the ensuing Agreement shall impair such right or shall be construed to be a waiver thereof. Any waiver shall be limited to the particular right so waived and shall not be deemed a waiver of the same right at a later time, or of any other right under the Agreement

34.5. **Federal Subordination**
This Agreement shall be subordinate to the provisions of any existing or future agreements between the County and the United States of America relative to the operation and maintenance of the Airport, the execution of which has been or may be required as a condition precedent to the expenditure of federal funds for the development of the Airport. All provisions of this Agreement shall be subordinate to the right of the United States of America to lease or otherwise assume control over the Airport, or any part thereof, during time of war or national emergency for military or naval use and any provisions of this Agreement inconsistent with the provisions of such lease to the United States of America shall be suspended.

34.6. **Governmental Authority**
Nothing in this Agreement shall be construed to waive or limit the governmental authority of the County as a political subdivision of the State of Florida.

34.7. **Headings**
The headings of the various articles and sections of this Agreement, and its Table of Contents, are for convenience and ease of reference only, and shall not be construed to define, limit, augment or describe the scope, context or intent of this Agreement or any part or parts of this Agreement.

34.8. **Independent Contractor**
The Contractor shall perform all services described herein as an independent contractor and not as an officer, agent, servant, or employee of the County. All personnel provided by the Contractor in the performance of this Agreement shall be considered to be, at all times, the sole employees of the Contractor under its sole discretion, and not employees or agents of the County.

34.9. **Intent of Agreement**
This Agreement is for the benefit of the Parties only and does not: (a) grant rights to third party beneficiaries, or to any person; or (b) authorize non-parties to the Agreement to maintain a suit for personal injuries, professional liability, or property damage pursuant to the terms or provisions of the Agreement.

34.10. **Joint Preparation**
The Parties acknowledge that they have sought and received whatever competent advice and counsel as was necessary for them to form a full and complete understanding of all rights and obligations herein.

34.11. **Laws and Regulations**
The Contractor shall comply with the Code of Miami Dade County, Florida (the "Code"), including but not limited to Chapter 25 of the Code, Operational Directives issued thereunder, all laws, statutes, ordinances, resolutions, regulations and rules of the United States of America, State of Florida, or Miami-Dade County, and any and all plans and programs developed in compliance therewith which may be applicable to its operations or activities under this Agreement.

34.12. **Modifications**
This Agreement may be modified and revised by written Amendment duly executed by the Parties hereto. Neither electronic mail nor instant messaging shall be considered a "writing" sufficient to change, modify, extend or otherwise affect the

terms of the Agreement. **Any oral representation or modifications concerning this Agreement shall be of no force or effect.**

34.13. Notices

Any notices given under the provisions of this Agreement shall be in writing and shall be hand delivered or sent by Registered or Certified Mail, Return Receipt Requested, or express mail service to:

To the County:

Director
Miami-Dade Aviation Department
Post Office Box 592075
Miami, Florida 33159-2075

with a required copy to the Project Manager

To the Contractor:

NextiraOne, LLC
Attn: Contractor Project Manager
Building 3030
Perimeter Road and NW 22nd Street
Miami, Florida 33122
Facsimile No: (305) 876-8405

with a required copy to General Counsel:

2800 Post Oak Boulevard
MD 25-12
Houston, TX 77056
Attn: General Counsel

or to such other respective addressees as the Parties may designate to each other in writing from time to time. Notices by Registered or Certified Mail shall be deemed given on the delivery date indicated on the Return Receipt from the United States Postal Service or on the express mail service receipt.

34.14. Ownership Of Documents

Any and all reports, photographs, surveys, provided or created in connection with this Agreement are and shall remain the property of the County. In the event of termination of this Agreement, any software database, all electronic files associated with work performed, any reports, such as traffic, inventory, switch audit, service and or MAC logs and photographs, surveys, prepared by the Contractor, whether finished or unfinished, shall become the property of the County, and the Contractor shall immediately remit same to the County.

Contractor further acknowledges and agrees that Contractor shall not have ownership interest of any kind in any original materials, either written or readable by machine, prepared by Contractor for County, or prepared jointly by Contractor and County, constituting an original, a modification to, enhancement of derivative work based on such materials. Contractor shall be permitted to create and use such Documentation and Materials solely for the purpose of providing services to County.

34.15. **Request for Proposal Incorporated and Order Of Precedence**

The Contractor acknowledges that it has submitted to the County a proposal that was the basis for the award of this Agreement and upon which the County has relied. RFP No MDAD-04-01, addenda, and concomitant documents are incorporated by reference into this Agreement. IN THE EVENT A CONFLICT EXISTS BETWEEN THE RFP DOCUMENTS AND THE NON-EXCLUSIVE TELECOMMUNICATIONS AND NETWORK MANAGEMENT SERVICES AGREEMENT, SAID CONFLICT SHALL BE RESOLVED IN THE FOLLOWING PRIORITY. (1) THE TERMS OF THE AGREEMENT; (2) EXHIBITS TO THE AGREEMENT; (3) ANY RFP ADDENDA; AND (4) THE RFP AND CONCOMITANT DOCUMENTS.

If there is a conflict between or among the provisions of this Agreement, the order of precedence is as follows: 1) the work order, 2) the Scope, Requirements, and Service Levels shown in the Agreement, and 3) these terms and conditions other than the Scope of Services.

34.16. **Press Release Or Other Public Communication**

The Contractor shall not issue or permit to be issued any press release, advertisement or literature of any kind that states or suggests that the County endorses the Contractor or the work being performed hereunder, unless the Contractor first obtains the written approval of the County Such approval may be withheld if for any reason the County believes that the publication of such information would be harmful to the public interest or is in any way undesirable This subarticle shall not preclude the Contractor from including the County as a representative customer. Except as may be required by law, or with the written consent of County, the Contractor and its employees, agents, Subcontractors and suppliers will not represent, directly or indirectly, that any product or service provided by the Contractor or such other parties has been approved or endorsed by the County.

34.17. **Prior Agreements**

The Parties agree that there are no commitments, agreements or understandings concerning the subject matter of this Agreement that are not contained in this document Accordingly, the Parties agree that no deviation from the terms hereof shall be predicated upon any prior representations or agreements whether oral or written **No modification, amendment or alteration in the terms or conditions ~~contained herein shall be effective unless set forth in writing in accordance~~ with this Agreement.**

34.18. **Rights to be Exercised by Department**

Wherever in this Agreement rights are reserved to the County, such rights may be exercised by the Department. Wherever Department approval is required, it shall not be unreasonably withheld.

34.19. **Security**

Subject to recommendations from the Contractor as to reasonable and prudent security measures needed and approval by the Department, the Contractor shall be responsible for the security and protection of the facilities, and the equipment, furnishings, commodities and supplies provided under this Agreement for which the Contractor has managerial responsibilities

34.20. Severability

If any provision of this Agreement or the application thereof to either party to this Agreement is held invalid by a court of competent jurisdiction, such invalidity shall not affect other provisions of the Agreement which can be given effect without the invalid provision, and to this end, the provisions of this Agreement shall be severable.

34.21. Solicitation

Except as provided by Section 2-11 1(s) of the Code of Miami-Dade County, Florida, the Contractor warrants that: 1) it has not employed or retained any company or person other than a bona fide employee working solely for the Contractor to solicit or secure this Agreement, and 2) it has not paid, or agreed to pay any company or other person any fee, or commission, gift, or other consideration contingent upon the execution of this Agreement. A breach of this warranty makes this Agreement voidable by the County without liability to the Contractor for any reason.

34.22. Survival

Any obligations of the Contractor and the County which by their terms would continue beyond the termination, cancellation or expiration of this Agreement or any service order shall survive with such termination, cancellation or expiration

34.23. Taxes

The Contractor acknowledges that the County is a tax exempt entity. The Contractor shall pay all taxes lawfully assessed against its operations at the Airport, and the Contractor shall be deemed to be in default of its obligations under this Agreement for failure to pay such taxes pending the outcome of any legal proceedings instituted in a court of competent jurisdiction to determine the validity of such taxes.

34.24. Third Party Beneficiaries

Neither the Contractor nor the County intends to directly or substantially benefit a third party by this Agreement. Therefore, the Parties agree that there are no third party beneficiaries to this Agreement, and that no third party shall be entitled to assert a claim against either of the Parties based upon this Agreement. The Parties expressly acknowledge that it is not their intent to create any rights or obligations in any third party or entity under this Agreement.

Contractor represents and warrants that it shall use access to and knowledge of Software, Systems and related Documentation solely to provide Services to County, and not for the use or benefit of any other third person nor shall Contractor disclose such materials to any third person, and shall limit disclosure to its employees who have a need to know for the performance of Services hereunder.

34.25. Governing Law; Venue

This Agreement shall be governed by the laws of the State of Florida. Venue for all actions and claims arising from this Agreement shall be heard in the Circuit Court of the Eleventh Judicial Circuit in and for Miami-Dade County, Florida or in the United States District Court in and for the Southern District of Florida.

Registered Officer/Agent; Jurisdiction: The Contractor shall designate a registered office and a registered agent, as required by Florida Statutes, such designations to be filed with the Florida Department of State in accordance with Florida Statutes. If the Contractor is a natural person, he and his personal representatives hereby submit themselves to the jurisdiction of the Courts of this State for any cause of action based in whole or in part on the alleged breach of this Agreement.

34.26. **Violations of Laws and Regulations**

The Contractor agrees to pay, on behalf of the County any penalty, assessment, or fine, issued in the name of the County, or to defend in the name of the County any claim, assessment or civil action, which may be presented or initiated by any agency or officer of the federal, state or County governments, based in whole or substantial part upon a claim or allegation that the Contractor, its agents, Subcontractors, employees or invitees, have violated any law, statute, ordinance, resolution, regulation or rule described in this Agreement or any plan or program developed in compliance therewith.

34.27. **Responsible Wages And Benefits**

If construction work in excess of one hundred thousand dollars ($100,000) is required of, or undertaken by the Contractor as a result of this Agreement, the Contractor must pay laborers and mechanics performing work on the project no less than the hourly rates specified in accordance with Section 2-11 16 of the Code of Miami-Dade County, Florida and Administrative Order ("AO") No 3-24 The Contractor shall fully comply with the requirements of the Code and AO and shall satisfy, comply with, and complete the requirements set forth in this Agreement.

It is also the policy of Miami-Dade County that in all leases of County-owned land which provide for privately funded construction improvements thereon whose construction costs are greater than or equal to $1 million dollars, any portion of which are financed by any federal, state or local governmental entity or by bonds issued by such entities, including the Industrial Development Authority ("IDA"), shall comply, including requiring the lessee to require any contractor constructing such improvements to pay responsible wages to the same extent as if such improvements were County construction A lessee must pay the County the monitoring fee(s) for the project according to the sliding scale approved by the Board.

This AO neither applies to County construction contracts less than or equal to one hundred thousand dollars ($100,000) or blanket County contracts designed to consolidate an indeterminate number of individual smaller construction contracts, repair or alteration activities which may be needed over a fixed period of time, provided the overall blanket contract ceiling does not exceed five hundred thousand dollars ($500,000) and further provided that no individual work order issued under such blanket contract shall exceed twenty-five thousand dollars ($25,000) per craft, nor does it apply to County construction contracts which are federally funded or otherwise subject to the Davis-Bacon Act, 40 U.S C § 276(a). Furthermore, this AO shall not apply to those privately funded projects on County-owned land for construction or alteration of public buildings or public works which are financed solely through private sources, without one dollar ($1) or more of financing provided through any federal, state, County or local government entity or bond sources including IDA bonds or similar type bond funding.

34.28. Entirety of Agreement

The Parties hereto agree that this Agreement sets forth the entire agreement between the Parties, and there are no promises or understandings other than those stated herein. None of the provisions, terms and conditions contained in this Agreement may be added to, modified, superseded or otherwise altered, except as may be specifically authorized by subarticles 34.12 and 34.17 to the Agreement, or by written instrument executed by the Parties hereto.

IN WITNESS WHEREOF, the Parties have executed this Agreement effective as of the date first herein above set forth.

NextiraOne, LLC

By: Robert Vrij

Name: Robert Vrij

Title: SVP, Sales

Date: January 5, 2004

Attest: Secretary KELLY WILLIAMS Notary Public, State of Texas My Commission Expires June 27, 2007

Kelly Williams

Approved as to form and legal sufficiency

Assistant County Attorney

Miami-Dade County

By: Betty Johnson

Name:

Title:

Date:

Attest: Clerk of the Board

COUNTY COMMISSIONERS DADE COUNTY FLORIDA

NextiraOne, LLC LIMITED LIABILITY SEAL April 11, 1997 COMPANY DELAWARE

SPECIAL PROVISIONS TO THE AGREEMENT

COMMUNITY SMALL BUSINESS ENTERPRISE PARTICIPATION PROVISIONS

NXT 5149

PSC 6813

MIAMI- DADE COUNTY
FLORIDA

Department of Business Development

COMMUNITY SMALL BUSINESS ENTERPRISE PROGRAM (CSBE)
(ORDINANCE 97-52 & A.O. 3-22 AS AMENDED)

PARTICIPATION PROVISIONS

THERE ARE THREE (3) CONTRACT MEASURES:
SET-ASIDES, TRADE SET-ASIDES, AND SUBCONTRACTOR GOALS

THE CSBE CONTRACT MEASURE (S)
APPLICABLE TO THIS PROJECT:

Set-Aside	
Trade Set-Aside	
Subcontractor Goals	4%

Trades identified by the Review Committee in determining CSBE measures are recommendations; however, other construction trades can be utilized to meet the CSBE goal.

THERE ARE TWO (2) PROGRAM INCENTIVES:
BID PREFERENCE AND SELECTION FACTOR

Bid Preference	
Selection Factor	X

Department of Business Development
175 NW 1st Avenue, 28th Floor
Miami, Florida 33128
(305) 349-5960 Fax (305) 349-5915

REVISED OCTOBER 2001

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B. Management and Technical Assistant Program
C. Mentor Protégé Program
D. Project Worksheet
E. Certification List

Ordinance 97-52, 97-158 and 00-17, and this Administrative Order 3-22 as Amended, can be obtained from the Clerk of the Board located in the Stephen P. Clark Bldg., 111 N. W. 1st Street, Ste. 17-202

I. DEFINITIONS

The definitions in this section apply only to these Participation Provisions, hereafter, referred to as "Provisions".

1. *Advisory Board* means the CSBE Advisory Board created for the purpose of reviewing program activities and results, and for making recommendations to the Department of Business Development (DBD) and the Board of County Commissioners on matters pertaining to the program.

2. *Approval letter* means a document issued by DBD at the request of a CSBE or a bidder that, based on the written representations of the CSBE or bidder, finds a specified activity or scope of work consistent with normal industry practice.

3. *Available or Availability* means to have, prior to bid submission, the ability to provide construction services under a prime contract or first tier subcontract by having:

   a. reasonably estimated, uncommitted capacity and expertise;

   b. all licenses, permits, registrations and certifications;

   c. the ability to obtain bonding that is reasonably required to perform the contract or subcontract consistent with normal industry practice; and

   d. the ability to otherwise meet bid specifications.

4. *Bid* means a quotation, proposal, and letter of interest or offer by any bidder in response to any kind of invitation, request or public announcement to submit such quotation, proposal, and letter of interest or offer to perform the contract.

5. *Bid Preference* means an amount deducted (for bid evaluation purposes only) from the total bid price in order to calculate the bid price to be used to evaluate the bid on a competitively bid prime County construction contract, which is not set-aside for bidding solely by CSBEs. Firms may claim a bid preference for Program Incentives such as Worker Training and Mentor-Protégé as outlined in Ordinance 97-52 as amended.

6. *Bidder* means any person, partnership, corporation or other business entity that submits a bid.

7. *Board* means the Miami-Dade County Board of County Commissioners of Miami-Dade County, Florida.

8. *Bonding Assistance* may include providing assistance in preparing and completing bond packages as well as providing funding to be used for bonding purposes.

9. *Broker* means an individual or business that acts as a conduit for the purchase of goods or services from a supplier and transfers funds to a non-CSBE in a manner that does not add economic value to the purchase of goods or services, except where such conduct is normal industry practice.

10. *Business day* is a regular week day (Monday through Friday) normally starting at 8:00 a.m. and finishing at 5:00 p.m., excluding Saturdays and Sundays and excluding all legal holidays recognized by the Federal, State or Miami-Dade County governments.

11. *Calendar day* means a twenty-four (24) hour period covering all days of the week (Monday through Sunday including all holidays), starting at 12:00 a.m., and finishing at 11:59 p.m.

12. *Certification List* means a list maintained by DBD that contains the names and addresses of currently certified CSBEs, sorted by trade, service, Standard Industrial Classification (SIC) or North American Industry Classification System (NAICS) code, and Contracting Participation Level.

13. *Certificate of Unavailability* means a document signed by a CSBE stating that the CSBE is not available to participate on a specific project at a specific time.

14. *Commercially useful function* means a contractual responsibility for the execution of a distinct element of the work of a contract by a business enterprise and the carrying out of the contractual responsibilities by actually performing, managing, and supervising the work involved. Acting as a broker is not considered a commercially useful function. The determination of whether an activity is a commercially useful function shall include: (1) the evaluation of the amount of work subcontracted; (2) normal industry practices; (3) the skills, qualifications, or expertise of the enterprise to perform the work; (4) whether the firm's personnel performs, manages, and/or supervises the work involved; and (5) other relevant factors.

15. *CSBE* means a construction related enterprise including a design-build firm, which has an actual place of business in Miami-Dade County and whose average annual gross revenues for the last three (3) years do not exceed: ~~$2,000,000~~ $5,000,000 for SIC 15/NAICS 233 - Building Construction, General Contractors and Operative Builders; ~~$2,000,000~~ $3,000,000 for SIC 16/NAICS 234 - Heavy Construction, other than Building Construction; or ~~$1,000,000~~ $2,500,000 for SIC 17/NAICS 235 - Specialty Trade Contractors. A CSBE shall be categorized by the type of construction it performs in accordance with the two-digit SIC code, or the six-digit NAICS code, of the Census applicable to such type of construction. A CSBE will graduate out of the program once it has exceeded these size limits based on its three-year average annual gross revenues.

16. CSBE must be certified by the SIC or NAICS code, and classified into one of the three Contracting Participation Levels by the firm's ~~bonding capacity~~ average gross revenues for the past three (3) years. The lack of bonding capacity shall not preclude an applicant from being certified as a CSBE. As part of the certification process, a CSBE must go through a pre- qualification process, which will be used to determine which of the three Contracting Participation Levels the CSBE will be placed in based on the firms ~~bonding capacity~~ three (3) year average gross revenues. ~~the pre-qualification process will utilize the current AIA Document A305 Contractor's Qualification form1 or equivalent.~~ The Contracting Participation Levels ~~of bonding capacity~~ are as follows:

1. Level I ~~-bonding capacity of up to $500,000 per contract:~~ 3 year average annual gross revenues of $0-$750,000;

2. Level II ~~-bonding capacity~~ 3 year average annual gross revenues above ~~$500,000~~ $750,000 but not exceeding ~~$1,000,000~~ $2,000,000 ~~per contract;~~ or

3. Level III ~~-bonding capacity~~ 3 year average annual gross revenues above ~~$1,000,000~~ $2,000,000 but not exceeding $5,000,000.

A firm's eligibility to participate in the CSBE program and the Contracting Participation Level at which it will participate shall be determined based on the three year average ~~cumulative~~ gross revenues ~~and bonding capacities~~ of the applicant firm in combination with that of all of the firm's affiliates. No firm shall be certified as a CSBE where the aggregate net worth of all of its owners is more than seven hundred fifty thousand dollars ($750,000). Representations as to gross revenues and net worth of owners shall be subject to audit.

17. *Commitment letter* means a letter signed by an officer or other authorized representative of a bidder or proposer for a County construction contract containing a second, third, or fourth tier subcontractor goal, which specifically commits the bidder or proposer to meet such subcontractor goal.

18. *Compliance Monitor* means the Director of DBD or his or her designee assigned to review and enforces compliance with Ordinance 97-52, as amended and this Administrative Order 3-22.

19. *Construction* means the building, renovating, retrofitting, rehabbing, restoration, painting, altering, or repairing of a public improvement.

20. *Construction Manager-at-Risk ("CM-at-risk")* replaces the general contractor and works for a fee with the County and the Architect through the design phase to contain the budget and schedule. The CM-at-risk provides a guaranteed maximum price ("GMP"), and bids the work out to local trade contractors. The CM-at-risk mobilizes to the site and manages the trade contractors for quality and schedule.

21. *Contract* means an agreement covered by this Administrative Order proposed by the County or Public Health Trust staff, or approved by the County Commission or Public Health Trust for construction.

22. *Contract measure* means a contract set-aside, or a trade set-aside, or a subcontract goal, or a bid preference, or a selection factor, singly or in any combination.

23. *Contracting Officer* means the person assigned under a contract, usually a department director or his or her designee, who has primary responsibility to manage the contract and enforce contract requirements.

24. *Contracting Participation Level* refers to the *level* in which a CSBE firm is classified based on the ~~combined bonding capacity~~ three (3) year average annual gross revenues of the applicant firm and that of all of the firm's affiliates. ~~A CSBE's level of bonding capacity shall be determined by utilizing the American Institute of Architect's (AIA) Document A305 Contractor's Qualification Statement or its equivalent.~~ In addition, construction contracts of ~~$3,000,000~~ $5,000,000 or less (which may be reserved for limited competition

among CSBEs) will be classified into one of the three Contracting Participation Levels based on estimated project cost. The three Contracting Participation Levels are:

1. Level I.....~~$0-$500,000~~ 3 year average annual gross revenues of $0-$750,000

2. Level II.....~~$500,001 - $1,000,000~~ 3 year average annual gross revenues above $750,000 but not exceeding $2,000,000

3. Level III.....~~greater than $1,000,000~~ 3-year average annual gross revenues above $2,000,000 but not exceeding $5,000,000.

Prime contracts with estimated project construction costs in excess of ~~$3,000,000~~ $5,000,000 shall be "open market" contracts which all firms can bid on.
CSBEs pre-qualified in one ~~bonding capacity~~ level (e.g., those in ~~bonding capacity~~ Level III) may not bid on a lower level prime County contract set-aside for CSBEs (e.g., a ~~$300,000~~ $500,000 project which falls into Level I), However, lower level CSBEs may bid on higher level contracts (e.g., a Level I CSBE may bid on a Level II or a Level III project).

25. *County* means Miami-Dade County, Florida, a political subdivision of the State of Florida.

26. *CSBE objective* means the objective of assuring that not less than 10% of the County's total annual expenditures for construction are expended with CSBEs. The foregoing CSBE objective may be increased by subsequent resolution of the Board of County Commissioners, adopted after recommendation for an increase by the CSBE Advisory Board, Forty percent (40%) of the foregoing objective may be accomplished through set-aside of smaller prime contracts and use of subcontractor goals on larger prime contracts falling within SIC 15/NAICS 233; forty percent (40%) of the foregoing objective may be accomplished through set-aside of smaller prime contracts and use of subcontractor goals on larger prime contracts falling within SIC 16/NAICS 234; and twenty percent (20%) of the foregoing objective may be accomplished in prime contracts falling within SIC 17/NAICS 235. The percentage of the overall CSBE objective allocated to each SIC/NAICS category may be adjusted by resolution of the Board of County Commissioners in direct correlation to CSBE availability.

27. *Debar* means to exclude a contractor, its individual officers, its shareholders with significant interests, its qualifying agent, or its affiliated businesses from County contracting and subcontracting for a specified period of time, not to exceed five (5) years.

28. *DBD* means the Miami-Dade County Department of Business Development.

29. *Graduation* means the CSBE has exceeded the specific size limits stated for the program, based on the firm's three-year average annual gross revenues, and will no longer be eligible for participation in the Program.

30. *Guaranteed maximum price ("GMP")* is the cost of the project that the CM-at-risk guaranteed will not be exceeded.

31. *Joint venture* means an association of two or more CSBEs. Joint ventures shall be subject to the size limitations set forth in this administrative order such size limitations include affiliates as set forth in Appendix A of Ordinance 97-52 as amended.

32. *Joint venture agreement* means a document submitted to DBD by a joint venture that provides information regarding the nature of the joint venture.

33. ~~*Letter of intent*~~ Schedule of Intent Affidavit means a letter signed by a subcontracting CSBE, detailing the scope and dollar value of the work to be performed by the CSBE, for the successful bidder on a contract that is set-aside, or on a contract with trade set-asides or subcontractor goals.

34. *Management & Technical Assistance (MTA)* means a program designed to provide direct and indirect assistance for small business enterprise development. Specific details of the program are shown in Section XXI of this Administrative Order.

35. *Mentor-Protégé Program* is a program whose purpose is to build effective working relationships between leaders of mature established companies and emerging small business enterprises in order for the latter to benefit from the knowledge and experience of the established mentor firms. Specific details of the Mentor-Protégé Program are shown in Section XII (C) of this Administrative Order.

36. *Monthly Utilization Report (MUR)* means a report completed by the successful bidder on a contract that is set-aside, or on a contract with trade set- asides or subcontractor goals, and submitted monthly, listing all work performed in the past month by the CSBE identified on the Schedule of Participation and all expenditures paid to date to the identified CSBE.

37. *Joint worth* for the purposes of the size limits established in Ordinance 97-52, as amended is defined as total assets minus total liabilities.

38. *North American Industry Classification System* (NAICS Code) is a code that was developed by the *Federal* Office of Management and Budget for use in the classification of establishments by type of activity in which they are engaged. The NAICS code replaces the SIC code.

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39. *PMD* means the Miami-Dade County Procurement Management Department.

40. *Pre-qualification* is defined under the definition of CSBE above.

41. *Primary Trade Contractor* means those contractors who directly contract with the CM-at-risk. This definition only applies to contracts for a construction manager-at-risk with a guaranteed maximum price.

42. *Program incentive* is an incentive that a firm can choose to use in a bid or proposal based on the firm's participation in certain programs. The incentive consists of either a bid preference or selection factor that will be used in evaluating the firm's bid or proposal on a specific project. The Program Incentives available are as follows:

    a. For participation in the Mentor-Protégé Program -up to 2% of bid price or up to 10% of the total evaluation points; and

b. For participation in the Worker Training Program -up to 2% of bid price or up to 10% of the total evaluation points.

Specific details of the program incentive are shown in Section XII of this Administrative Order.

43. *Qualifier* means the individual who has qualified a contractor for its current, valid certificate of competency or eligibility as required by Subsection (a) of Section 10- 3 of the Code of Miami -Dade County.

44. *Registered CSBE* means a business that has registered with the relevant County agencies to compete for County construction contracts and has declared, by registration for statistical purposes, to be a CSBE. If no registration system showing such declaration exists, this term means a business that has bid on a County construction contract and has declared to County staff or in a public document that it is a CSBE.

45. *Review Committee (RC)* -the County Manager shall establish an administrative procedure for the review of each proposed County contract to which this ordinance applies, including the establishment of a committee to recommend whether CSBE contract set-asides, trade set-asides or subcontractor goals provided in the ordinance should be applied.

46. ~~*Set-Aside List of Subcontractors (Form DBD 304)*~~ *Schedule of Intent Affidavit (Form DBD 400)* means the form contained in the bid documents of a CSBE prime subcontractor on which bidders list at the time of bid submission all CSBEs to be used for the project, the scope of work each subcontractor will perform, the services to be provided, and the dollar value of such work.

47. ~~*Schedule of Participation*~~ *Schedule of Intent Affidavit* means a form contained in the bid documents of a CSBE contract set-aside or a contract with trade set-asides or subcontractor goals in which bidders list at the time of bid submission that all CSBEs must use to meet the set-aside or the goal, and the scope of work each will perform, including the goods or services to be provided, and the dollar value of such work.

48. *Selection factor* means a percentage of total evaluation points added to the points scored by a proposer responding to a Request for Proposals (RFP) or a Request for Qualifications (RFQ) for a prime County construction contract which is not set-aside for competition solely among CSBEs.

49. *Services* means construction, maintenance, painting, alteration, or repair of a public improvement or any performance of work offered for public consumption that does not consist primarily of goods.

50. *Set-aside* means reservation for competition solely among CSBEs of a given prime County contract whose estimated cost is ~~$3,000,000~~ $5,000,000 or less.

51. *Standard Industrial Classification (SIC) or the equivalent NAICS code* is a code that was developed by the Federal Office of Management and Budget for use in the classification of establishments by type of activity in which they are engaged. The NAICS code replaces the SIC code.

52. *Subcontract* for the purposes of Ordinance 97-52, as amended means an agreement between a prime construction contractor and a Primary Trade Contractor, or a first, second, third, or fourth tier subcontractor.

53. *Subcontractor goal* means a proportion of a prime contract value stated as a percentage to be subcontracted at the first tier level, and another additional percentage to be subcontracted at the second, third, and/or fourth tier level, as outlined in this Administrative Order, to CSBEs to perform a commercially useful function. For County construction projects whose total estimated value is less than $25,000,000 only expenditures to CSBEs made under written first tier subcontracts executed by both the prime contractor and the CSBE shall be counted towards meeting the CSBE subcontractor goal. For County construction projects whose total estimated value is equal to, or greater than, $25,000,000 the Review Committee shall recommend that a specific percentage of the expenditures be made to CSBEs under written first tier subcontracts, and that another additional percentage of the expenditures be made to CSBEs under second, third and/or fourth tier subcontracts.

54. *Successful Bidder* means the bidder to which the contract is awarded.

55. *Trade Set-aside* means that an entire Specialty Trade component(s) of a County miscellaneous construction contract is reserved for first tier subcontracting among certified CSBEs (for example, the entire plumbing, roofing or electrical component of a specific contract is reserved for limited competition among certified CSBEs). No CSBE may be awarded more than one trade set-aside on any one specific miscellaneous construction contract.

56. *Unavailability Certificate* means a document signed by a CSBE stating that the CSBE is not available to participate on a specific project at a specific time.

57. *Work* means the provision of goods or services for construction projects.

58. *Worker Training Program* is a qualified training program or technical school or other such construction industry related training program, as approved by the CSBE Advisory Board.

GENERAL INFORMATION

These Provisions shall apply to every bid, request for proposals and contract to which a ~~CSBE set-aside, Trade Set-aside or subcontractor goal is applied or where bidders claim~~ a bid preference or selection factor. The phrase "CSBE contract measure(s)" means to apply the contract measures to this contract as indicated on the cover sheet. Only the contract measures in the CSBE program indicated on the cover sheet apply.

Note: THESE PROVISIONS ARE IN ADDITION TO FEDERAL REQUIREMENTS GOVERNING DISADVANTAGED BUSINESS ENTERPRISES.

A. The bidder shall fully comply with these Provisions, which implement Miami-Dade County Ordinance 97-52 as amended, and this Administrative Order 3-22, respectively.

B. Miami-Dade County shall not award a contract to any bidder, which it determines, fails to comply with all the applicable requirements of these Provisions.

C. Forms necessary for submittal of information pertaining to these Provisions are included in the appendix. Additional copies may be obtained by contacting the Compliance

Monitor (DBD), at: Miami-Dade County (MDC) Department of Business Development (DBD) at 175 N. W. First Avenue, 28th Floor, Miami, Florida 33128 or by telephone at (305) 349-5960, facsimile (305) 349-5915.

III. CERTIFICATION

A. A CSBE certification list is included as an appendix to assist bidder compliance with any subcontractor goal, set-aside, or Trade Set-aside established for this project. The certification list is maintained and published at least every other week. Bidders must utilize the most current certification list in complying with these Provisions. A current certification list may be obtained by contacting the Miami-Dade County Department of Business Development (DBD) at 175 N. W. 1st Avenue, 28th Floor, Miami, Florida 33128 or by telephone at (305) 349-5960, facsimile (305) 349-5915.

B. Attached, as an example is a CSBE Certification List with a specified date. Certification lists are updated and issued at least every other week. Bidders *shall use the most recent Certification list available prior to bid opening. Certification lists may be obtained by contacting DBD at telephone number (305) 349-5960 during normal business hours, or from DBD website, Miamidade.Gov.*

C. The firms on the Certification list will be identified by each SIC/NAICS category and each Specialty Trade the CSBE is certified in. DBD shall certify each CSBE by the type of construction they perform in accordance with the two-digit SIC or six digit NAICS code applicable to such type of construction for which the CSBE is licensed. A CSBE can be certified in an unlimited number of SIC/NAICS codes and trade categories. CSBEs certified in SIC 17/NAICS 235 (Specialty Trade Contractors) shall also be classified by trade category or categories in which they are licensed. Each CSBE will also be certified in a specific Contracting Participation Level based on the firm's ~~bonding capacity~~ 3-year average annual gross revenues.

D. In order to participate as a CSBE on this contract, a CSBE must have a valid certification in effect at the time of bid submittal. The CSBE must maintain certification from the time of bid submittal throughout the duration of the contract.

E. Joint Ventures.

Only joint ventures approved by DBD in accordance with the CSBE Administrative ~~Order are eligible to participate as joint ventures in the CSBE program. Joint ventures~~ must be lawfully established. All members of the joint venture must be certified as CSBEs before the joint venture can be approved. Joint ventures can participate under the CSBE program on contracts with CSBE Trade Set-asides, subcontractor goals, bid preferences and selection factors.

IV. CONTRACT MEASURES

A. Contract Set-Asides

1. County construction contracts that are set-aside under the CSBE program are for bidding solely among CSBEs. In order to bid on a set-aside contract the bidder must be certified as a CSBE prior to bid submission date. A CSBE awarded a set-aside contract shall not transfer to a non-CSBE through subcontracting or otherwise any part of the actual work of the contract unless these bid documents expressly and specifically permit such transfer as consistent with normal industry practice or the CSBE requests in writing and receives prior to bid award an approval letter from DBD [for example, a CSBE general contactor needs to rent a particularly expensive piece of equipment with labor support to perform a specific task in the contract and requests approval from DBD].

2. CSBEs prequalified in one ~~bonding~~ contracting capacity (e.g., those in ~~bonding~~ contracting capacity Level III) may not bid on a lower level prime County contract set-aside for CSBEs (e.g., a ~~$300,000~~ $500,000 project which falls into Level I). However, lower level CSBEs may bid on higher-level contracts (e.g. a Level I CSBE may bid on a Level II or a Level III project).

3. A CSBE that performs the work of the set-aside contract with its own forces may count such work towards reducing the CSBE goal applied to the contract by a maximum of one hundred (100) percent

4. Bidders on set-asides, that cannot demonstrate their compliance with the requirements of Section IV, A1, shall be found to be in non-compliance with these provisions.

5. Bidder's Responsibilities for Contract Set-Asides:

   a. Bidders on set-asides must submit a completed "~~Set-Aside List of Subcontractors~~" (~~Form DBD 304~~) Schedule of Intent Affidavit (Form DBD 400) at the time of bid submission. Bidders who fail to submit the ~~Set-Aside List of Subcontractors~~ Schedule of Intent Affidavit shall be considered non-responsive; and

   b. Bidders must submit ~~Letters of Intent (Form DBD 302)~~ a Schedule of Intent Affidavit (Form DBD 400) to the person or office to whom the bid was submitted on the bid submittal due date. ~~by 4:00 p.m. on the second business day following bid submission.~~ Defective ~~Letters of Intent~~ Schedule of Intent Affidavits that are incomplete or inaccurate upon notification by the Department of Business Development, bidders may correct defects that exist on the Schedule of Intent Affidavit within forty-eight (48) hours after bid submission. ~~shall constitute non-compliance~~. Failure to submit the required Schedule of Intent Affidavit or commitment letter at the time of bid submission shall render the bid non-responsive. Examples of defects include, but are not limited to improperly executed letters, the listing of an unidentifiable CSBE and percentage miscalculations that are not mere clerical errors apparent on the face of the "~~Set-Aside List of Subcontractors~~" Schedule of Intent Affidavit. Bidders who fail to submit the ~~Letter of Intent (Form DBD 302)~~ Schedule of Intent Affidavit shall be considered non-responsive.

6. The following shall constitute a violation of these Provisions as they relate to a contract that is set-aside:

a. Submission of a "~~Set-Aside List of Subcontractors" (Form DBD 304)~~ Schedule of Intent Affidavit (Form DBD 400) of CSBE subcontractors that the bidder knew or should have known is incomplete or inaccurate;

b. After bid submission due date, deviation from the "~~Set-Aside List of Subcontractors~~" Schedule of Intent Affidavit without the written approval of the Compliance Monitor;

c. The utilization of a non-certified CSBE.

d. A CSBE serving as a conduit for CSBE work awarded to a firm as a CSBE but which is being performed by a non-CSBE firm;

e. Not obtaining or retaining CSBE certification while performing work- designated for CSBE firms;

f. Failure to submit monthly utilization reports;

g. Failure to maintain certification;

h. Failure to comply with CSBE certification requirements including not maintaining a place of business in Miami-Dade Count), not reporting organizational and operational changes, providing inaccurate or false information, and other certification related violations;

i. Modifications to the terms and/or prices of payment to a CSBE without prior approval from DBD; or

j. Unjustified failure to enter into a written subcontract with a CSBE after listing the firm on a "~~Set-Aside List of Subcontractors~~ Schedule of Intent Affidavit."

B. Trade Set-Asides

1. The purpose of a Trade Set-Aside is to have the entire Specialty Trade component(s) of a County miscellaneous construction contract to be performed by available first tier subcontractors that are certified CSBEs. Trade Set-asides may be applied to a miscellaneous construction contract as individual work orders are processed through DBD and the RC.

2. Bidder Responsibilities for Trade Set-aside:

a. Bidders on contracts to which a Trade Set-aside has been applied must submit a completed ~~Schedule of Participation (Form DBD 301)~~ Schedule of Intent Affidavit at the time of bid submission. The ~~Schedule of Participation~~ Schedule of Intent Affidavit constitutes a written representation by the bidder that, to the best of the bidder's knowledge, the CSBEs listed are qualified and available to perform as specified. The ~~Schedule of Participation~~ Schedule of Intent Affidavit is a commitment by the bidder that, if awarded the contract, it will enter into written subcontracts with the identified CSBE for the scope of work at the price set forth in the ~~Schedule of Participation~~ Schedule of Intent Affidavit.

b. All bidders must submit ~~Letters of Intent (Form DBD 302)~~ Schedule of Intent Affidavits to the person or office to whom the bid was submitted by the bid submission due

~~date 4:00 p.m. on the second business day following bid submission date~~. Upon notification by the Department of Business Development, bidders may correct defects that exist on the Schedule of Intent Affidavit within forty-eight (48) hours after bid submission. Failure to submit ~~Letters of Intent~~ Schedule of Intent Affidavits within the specified time shall render the bid non-responsive. Failure to correct identified defects on the Schedule of Intent Affidavit within forty-eight hours, upon notification by the Department of Business Development shall render the bid non-responsive. Submission of a defective form shall render the bid voidable.

c. In contracts with Trade Set-asides for CSBEs, a CSBE shall be counted toward meeting the goal for one Contracting Participation Level only. The prime bidder shall declare at bid submission toward which Trade Set-aside the CSBE business enterprise shall count.

d. All such subcontracts shall be in writing and shall be executed by the prime contractor and the first tier CSBE subcontractor.

e. Bidders who *fail* to submit the ~~Schedule of Participation~~ Schedule of Intent Affidavit shall be considered non-responsive.

f. Bids that contain a defective ~~Schedule of Participation~~ Schedule of Intent Affidavit may be voidable. Examples of defects include, but are not limited to, an incomplete Schedule, the listing of an unidentifiable CSBE, and percentage miscalculations that are not mere clerical errors apparent on the face of the Schedule.

g. A successful prime bidder that is a CSBE or a CSBE joint venture may perform up to fifty percent (50%) of a CSBE Trade Set-aside with its own forces.

h. Reporting of Bidders' Subcontracting Policies and Procedures.

As part of its bid each bidder shall also provide a detailed written statement of its policies and procedures for awarding subcontracts. (Dade County Ordinance 97-35).

3. The following shall constitute non-compliance with these Provisions as they relate to a contract with a Trade Set-aside:

a. Submission of a ~~"Schedule of Participation" (Form DBD 301)~~ "Schedule of Intent Affidavit" of CSBE subcontractors that the bidder knew or should have known is incomplete or inaccurate;

b. After bid submission due date, deviation from the ~~Schedule of Participation~~ Schedule of Intent Affidavit without the written approval of the Compliance Monitor;

c. The utilization of a non-certified CSBE for the Trade Set-aside;

d. A CSBE serving as a conduit for CSBE work awarded to a firm as a CSBE but which a non-CSBE firm; is performing;

e A prime contractor not meeting the CSBE Program Trade Set-aside requirements;

f. Failure to submit monthly utilization reports;

g. Failure of the CSBE to maintain certification;

h. Deviations from the ~~Schedule of Participation~~ Schedule of Intent Affidavit without prior approval from DBD;

i. Termination of the CSBE's contract without prior approval from DBD;

j. Reduction of the scope of work of a first tier CSBE subcontractor without prior approval from DBD;

~~k.~~ Modifications to the terms and/or prices of payment to a CSBE without prior approval from DBD;

~~l.~~ Unjustified failure to enter into a written first tier subcontract with a CSBE after listing the firm on a ~~Schedule of Participation~~ Schedule of Intent Affidavit.

C. Subcontractor Goals

1. The Purpose of a subcontractor goal is to have portions of the work under the prime contract performed by available subcontractors that are certified CSBEs for contract values totaling not less than the percentage of the prime contract value set out in the bid form. Subcontractor goals may be applied to a contract when estimates made prior to bid advertisement identify the quality; quantity and type of opportunities in the contract and CSBEs are available to afford effective competition in providing a percentage of these identified services.

   Only expenditures to CSBEs made under a written first tier subcontract executed by both the prime contractor and the CSBE shall be counted towards meeting a first tier subcontractor goal. Only expenditures made under a written second, third or fourth tier subcontract executed by both the next tier level subcontractor and the lower tier CSBE subcontractor shall be counted towards meeting a second, third or fourth tier subcontracting goal.

2. After a bid is advertised or other formal public notice, the established subcontractor goal may be reduced only with the approval of the County Commission or if the Public ~~Health Trust executes the contract. Bid documents shall include documentation~~ demonstrating the basis for subcontractor goals established in the contract. Any bidder may challenge or protest the goal by submitting to DBD or the Contracting Officer, no later than ten (10) business days prior to the scheduled bid submission date, the reasons for such challenges or protests in writing. Challenges or protests to a CSBE goal by bidders after that time, or based on reasons not provided in writing within the time frame stated above, shall not be considered by the County Commission

3. The Project Worksheet for establishing the stated subcontractor goal is included as part of the bid package.

4. Bidder Responsibilities for Subcontractor Goals:

   a. With the exception of contracts for a construction manager-at-risk as noted below where a first tier subcontractor goal has been imposed, bidders must submit a completed ~~Schedule of Participation~~ Schedule of Intent Affidavit form at the time of

bid submission identifying all CSBEs to be utilized to meet the first tier subcontractor goal, the trade designation of work each will perform. and the dollar value of such work. The ~~Schedule of Participation~~ Schedule of Intent Affidavit constitutes a written representation by the bidder that, to the best of the bidder's knowledge the first tier CSBEs listed are qualified and available to perform as specified. The ~~Schedule of Participation~~ Schedule of Intent Affidavit is a commitment by the bidder that if awarded the contract, it will enter into written subcontracts with the identified first tier CSBEs for the scope of work at the price set forth in the ~~Schedule of Participation~~ Schedule of Intent Affidavit. Where a second, third and fourth tier subcontractor goal has been imposed, bidders must submit a commitment letter committing the bidder to meet such goal.

For contracts for a construction manager-at-risk with a guaranteed maximum price, the Primary Trade Contractors shall submit the list of first-tier CSBE subcontractors at the time of bid submission to the CM-at-risk. All Primary Trade Contractors shall submit ~~letters of intent~~ Schedule of Intent Affidavits for all subcontractors listed on the list of first-tier CSBE subcontractors within two business days of the date of bid submission date to the CM-at-risk. Failure to submit the required documents within the required time frames may render the bid non-responsive or be subject to sanctions or penalties as outlined in the contract or in this Administrative Order.

For contracts for a construction manager-at-risk with a guaranteed maximum price, the use of CSBEs at the Primary Trade Contractor level and the level of contractors that directly contract with the Primary Trade Contractors, count towards the first-tier CSBE subcontractor goal on the contract. In addition, if the CM-at-risk exceeds the first-tier CSBE subcontractor goal, the amount by which the first-tier CSBE subcontractor goal is exceeded counts towards fulfillment of the second, third and fourth tier subcontractor goal on that contract. However, if the CM-at-risk exceeds the second, third and fourth tier subcontractor goal, the amount that the second, third and fourth tier subcontractor goal is exceeded by shall not count towards fulfillment of the first-tier subcontractor goal.

For contracts for a construction manager-at-risk, the construction manager-at-risk ~~shall be responsible for administering and implementing the requirements of~~ Ordinance 97-52 as amended and this Administrative Order, on the contract

1. All such subcontracts shall be in writing and shall be executed by the prime contractor and the first, second, third, and/or fourth tier CSBE subcontractor utilized to meet a first, second, third or fourth tier subcontract goal.

2. Bidders who fail to submit the required ~~Schedule of Participation~~ Schedule of Intent Affidavit or commitment letter at the time of bid submission shall be considered non-responsive.

3. Bids that contain a defective ~~Schedule of Participation~~ Schedule of Intent Affidavit may be voidable. Examples of defects include, but are not limited to, an incomplete Schedule, the listing of an unidentifiable CSBE, and percentage miscalculations that are not mere clerical errors apparent on the face of the Schedule.

b. A successful prime bidder that is a CSBE or a CSBE joint venture may perform up to fifty percent (50%) of a CSBE subcontractor goal with its own forces. The remaining subcontractor goal work shall be performed by other CSBEs.

c. Reporting of Bidders Subcontracting Policies and Procedures.

As part of its bid each bidder shall also provide a detailed written statement of its policies and procedures for awarding subcontracts (Dade County Ordinance 97-35).

d. Bidders whose bid do not meet the specified goal and who do not prove lack of availability are not in compliance with these provisions, except as noted in C (4)(i) below.

e. Expenditures to subcontracting CSBEs shall be counted toward meeting specified goals as follows:

1. One hundred percent (100%) of the expenditures to a CSBE that perform a commercially useful function in the supply of services required for the fulfillment of the contract;

2. One hundred percent (100%) of the expenditures to CSBEs that subcontract work further to non-CSBEs, only if bid documents expressly and specifically permit such subcontracting as consistent with normal industry practice, or the bidder or CSBE requests and receives prior to bid award an approval letter from DBD;

3. One hundred percent (100%) of the expenditures to CSBEs that perform actual work with their own forces;

4. None of the expenditures to a CSBE that acts essentially as a conduit to transfer funds to a non-CSBE unless bid documents expressly and specifically permit such transfers as consistent with normal industry practice or the bidder or CSBE requests and receives prior to bid award an approval letter from DBD;

5. Only expenditures to CSBEs made under a written first tier subcontract executed by both the prime contractor and the CSBE shall be counted towards meeting a first tier subcontractor goal. Only expenditures made under a written second, third or fourth tier subcontract executed by both the next tier level subcontractor and the lower tier CSBE subcontractor shall be counted towards meeting a second, third or fourth tier subcontracting goal.

6. Reporting of bidders' Subcontracting Policies and Procedures.

As part of its bid each bidder shall also provide a detailed written statement of its policies and procedures for awarding subcontracts. (Dade County Ordinance 97-35).

f. Bidders shall take all necessary and reasonable steps in accordance with these Provisions to ensure that CSBEs have the maximum opportunity to compete for and perform this contract. Bidders shall select portions of the work to be performed by CSBEs so as to increase the likelihood of meeting the subcontractor goal including, where appropriate, breaking down subcontracts into economically feasible units to facilitate CSBE participation.

g. With the exception of contracts for a construction manager-at-risk as noted above where a first tier subcontractor goal has been imposed, bidders must submit a ~~Schedule of Participation~~ Schedule of Intent Affidavit form as part of the bid package at the time of bid submission identifying all CSBEs to be utilized to meet the first tier subcontractor goal, the trade designation of work each will perform, and the dollar value of such work. On contracts where a second, third and fourth tier subcontractor goal has been imposed, bidders must also submit a commitment letter at the time of bid submission committing the bidder to meet such goal. Failure to submit the required ~~Schedule of Participation~~ Schedule of Intent Affidavit within the specified time shall render the bid non-responsive. Failure to submit the required commitment letter at the time of bid submission shall render the bid non-responsive. Submission of a defective form shall render the bid voidable. Expenditures to first tier CSBEs on a ~~Schedule of Participation~~ Schedule of Intent Affidavit that are not confirmed by a properly executed ~~Letter of Intent~~ Schedule of Intent Affidavit shall not count toward the goal.

For contracts for a construction manager-at-risk with a guaranteed maximum price, the Primary Trade Contractors shall submit the list of first-tier CSBE subcontractors at the time of bid submission to the CM-at-risk. All Primary Trade Contractors shall submit letters of intent for all subcontractors listed on the list of first-tier CSBE subcontractors within two business days of the date of bid submission date to the CM-at-risk. Failure to submit the required documents within the required time frames may render the bid non-responsive or be subject to sanctions or penalties as outlined in the contract or in this Administrative Order.

For contracts for a construction manager-at-risk with a guaranteed maximum price, the use of CSBEs at the Primary Trade Contractor level and at the level of contractors that directly contract with the Primary Trade Contractors, count towards the first-tier CSBE subcontractor goal on the contract. In addition, if the CM-at-risk exceeds the first-tier CSBE subcontractor goal, the amount by which the first-tier CSBE subcontractor goal is exceeded counts towards fulfillment of the second, third and fourth tier subcontractor goal on that contract. However, if the CM-at-risk exceeds the second, third and fourth tier subcontractor goal, the amount that the second, third and fourth tier subcontractor goal is exceeded by shall not count towards fulfillment of the first-tier subcontractor goal.

For contracts for a construction manager-at-risk, the construction manager-at-risk shall be responsible for administering and implementing the requirements of Ordinance 97-52 as amended, and this administrative Order, on the contract

h. With the exception of contracts for a construction manager-at-risk as noted above, in order to assure at the time of bid submission, agreement upon the above information between the bidder and the first tier CSBE subcontractor so identified, bidders must submit ~~Letters of Intent~~ Schedule of Intent Affidavits signed by the identified first tier CSBE subcontractor to the Contracting Officer by ~~no later than 4:00 p.m. on the second business~~ day following bid submission date. Failure to submit ~~Letters of Intent~~ Schedule of Intent Affidavits signed by the affected CSBE within the specified time shall render the bid non-responsive. Submission of a defective form shall render the bid voidable.

i. Bidders whose bids do not meet the specified goal, in order to remain eligible, must submit to the person or office to whom the bid was submitted by ~~4:00 p.m. on the~~

~~second business day following~~ bid submission due date, evidence proving the lack of available CSBEs to afford effective competition to provide the services to meet the goal. To prove lack of availability, bidders must submit the following:

1. Unavailability Certificates either completed and signed by all of the CSBEs available to perform the scopes of work are completed and signed by the bidder explaining the contacts with all of the CSBEs available to perform the scopes of work, statements or actions of the CSBEs showing unavailability, and the reason(s) why the CSBEs' signature could not be obtained;
2. A listing of any bids received from a CSBE, the scope of work and price of each bid, and the bidder's reasons for rejecting each bid;
3. A statement of the bidder's contacts with DBD for assistance in determining available CSBE's,
4. A description of the bidder's process for soliciting and evaluating bids from CSBEs, including copies of telephone logs detailing time, date and name of contacts with potential subcontractors;
5. Bidders may establish a CSBE as unavailable if its bid is nof reasonably competitive with comparable bids of non-CSBEs for the same scope of work. To establish a CSBE as unavailable if its bid is not considered reasonably competitive, the prime bidder must furnish DBD with copies of all bids received from all firms, both CSBEs and non-CSBES, for each specific scope of work for which they are claiming that the bid is not reasonably competitive. A CSBE's bid will be considered reasonably competitive if its bid, for the same scope of work, is within 25% of the bid of comparably sized non-CSBE firms. Bidders must submit DBD Form 305A "Unavailability of a CSBE Due to competitiveness" to the Contracting Officer by ~~no later than 4.00 p.m. on the second business day following~~ bid submission due date. Failure to submit DBD Form 305A within the specified time shall render the bid non-responsive. Submission of a defective form shall render the bid voidable;
6. The bidder who is awarded a contract having a second, third or fourth tier subcontractor goal shall notify DBD, in writing, at least one week prior to initiating the process to select lower tier CSBEs whose participation will be utilized to meet such goal, of the name, address and tier level of the subcontractor who will award the lower tier subcontract to a CSBE, the scope of work for such lower tier subcontract and the bid submission date for such-lower tier subcontract. The prime contractor shall obtain DBD's approval prior to the award of any lower tier subcontract that will be utilized to meet a lower tier subcontractor goal; and
7. On contracts in excess of $25 million which have subcontractor goals, the prime contractor shall be required during the term of the contract to make a quarterly presentation to the CSBE Advisory Board on his or her performance in meeting such goal.

Bidders whose bid does not meet the specified goal, and who do not prove lack of availability as indicated in C(4)(i)(1) above, are not in compliance with this Administrative Order.

5. The following shall constitute non-compliance with these Provisions as they relate to a contract, which has a CSBE subcontractor goal:

a. The utilization of a non-certified CSBE.

b. A CSBE serving as a conduit for CSBE work awarded to a firm as a CSBE but which is being performed by a non-CSBE firm;

c. A prime contractor not meeting CSBE Program subcontractor goal requirements;

d. Not obtaining or retaining CSBE certification while performing work designated for CSBE firms;

e. Failure to submit monthly utilization reports;

f. Deviations from the ~~Schedule of Participation~~ Schedule of Intent Affidavit or listing of first tier subcontractors as required on a CM-at-risk contract without prior approval from DBD;

g. Termination of the CSBE's contract without prior approval from DBD.

h. Reduction of the scope of work of a first tier CSBE subcontract without prior approval from DBD. Reduction of the scope of work of a second, third or fourth tier CSBE subcontract utilized to meet a second, third or fourth tier subcontractor goal without prior approval of DBD;

i. Modifications to the terms and/or prices of payment to a CSBE without prior approval from DBD; or

j. Unjustified failure to enter into a written first tier subcontract with a CSBE after listing the firm on a ~~Schedule of Participation~~ Schedule of Intent Affidavit or on a list of first tier subcontractors as required on a CM-at-risk contract. Unjustified failure to enter into a written second, third or fourth tier subcontract with a CSBE utilized to meet a second, third or fourth tier subcontractor goal.

NOTE: **Trades identified by the Review Committee in determining CSBE measures are Recommendations; however, other construction trades can be utilized to meet the CSBE goal.**

V. PROGRAM INCENTIVES

A. Bid Preference Eligibility

Bidders claiming a bid preference as a result of participation in the CSBE Mentor-Protégé or Worker Training Program shall complete and submit with their bid a claim of bid preference. The Compliance Monitor shall determine whether the bidder qualifies for the bid preference for the specified contract. To qualify for the bid preference, the bidder must:

1. Have been actively and successfully participating in a DBD-approved Mentor-Protégé relationship, as either a Mentor or a Protégé, for at least six (6) months prior to the bid submittal date for the bid for which the bid preference is being sought; or

2. Be currently participating in, or currently providing significant funding for, a CSBE Advisory Board-approved Worker Training Program; or

3. Have successfully completed a DBD-approved Mentor-Protégé relationship, as either a Mentor or a Protégé, within the twelve (12) months prior to the bid submittal date for the bid for which the bid preference is being sought.

DBD shall determine whether the bidder has been actively and successfully participating in or has successfully completed a DBD-approved Mentor-Protégé relationship. The CSBE Advisory Board shall approve all Worker Training Programs; DBD shall determine the level of participation in, and/or level of funding provided for, the Worker Training Program that is appropriate for qualification for the bid preference.

A bid preference resulting from participation in the CSBE Mentor-Protégé or Worker Training Program may only be claimed on contracts that are not CSBE contract set-asides. The bid preference for the Mentor-Protégé Program is up to 2% of the bid price based on the sliding scale shown in Table I on the following page; the bid preference for the Worker Training Program is up to 2% of the bid price based on the sliding scale shown in Table I on the following page. The bid preference shall be calculated and subtracted from the total bid price. The bid preference is used only to calculate an amount to be used in evaluating the bid and does not affect the contract price.

Table 1: Sliding Scale for Bid Preference

Estimated Project Cost	CSBE Bid Preference Incentive
>$0 <=$75,000	2.0% of total bid price
>$75,000 <=$125,000	1.0% of total bid price
>$125,000 <=$250,000	0.8% of total bid price
>$250,000 <=$500,000	0.6% of total bid price
>$500,000 <=$1,000,000	0.4% of total bid price
>$1,000,000	0.2% of total bid price

B. Selection Factor Eligibility

Proposers claiming a selection factor based on participation in the CSBE Mentor-Protégé or Worker Training Program must complete and submit with their proposal a claim for such a selection factor. To qualify for the selection factor, the proposer must:

1. Have been actively and successfully participating in a DBD-approved Mentor-Protégé relationship, as either a Mentor or a Protégé, for at least six (6) months prior to the proposal submittal date for the proposal for which the selection factor is being sought; or

2. Be currently participating in or currently providing significant funding for a CSBE Advisory Board-approved Worker Training Program; or

3. Have successfully completed a DBD-approved Mentor-Protégé relationship, as either a Mentor or a Protégé, within the twelve (12) months prior to the proposal submittal date for the proposal for which the selection factor is being sought.

DBD shall determine whether the proposer has been actively and successfully participating in, or has successfully completed, a DBD-approved Mentor-Protégé relationship. The CSBE Advisory Board shall approve all Worker Training Programs; DBD shall determine the level of participation in, and/or level of funding provided for, the Worker Training Program that is appropriate for qualification for the selection factor.

A selection factor resulting from participation in the CSBE Mentor-Protégé or Worker Training Program may only be claimed on contracts that are not CSBE contract set-asides. The selection factor for the Mentor-Protégé Program is up to 10% of the total evaluation points based on the sliding scale shown in Table 2 below; the selection factor for the Worker Training Program is up to 10% of the total evaluation points based on the sliding scale shown in Table 2 below.

Table 2: Sliding Scale for Selection Factor

Estimated Project Cost	CSBE Selection Factor Incentive
>$0 <=$75,000	10.0% of total evaluation points
>$75,000 <=$125,000	5.0% of total evaluation points
>$125,000 <=$250,000	4.0% of total evaluation points
>$250,000 <=$500,000	3.0% of total evaluation points
>$500,000 <=$1,000,000	2.0% of total evaluation points
>$1,000,000	1.0% of total evaluation points

Any evaluation/selection committee formed to evaluate a proposal with a CSBE selection factor shall include a voting representative from DBD.

VI. DESIGN BUILD CONTRACTS

The construction portion of the design-build contract is subject to the procedures in these Provisions.

VII. PRE-AWARD COMPLIANCE

A. Compliance Review

1. The Compliance Monitor shall review bidder's submission for compliance with these Provisions on every contract to which a CSBE contract set-aside. Trade Set-aside or subcontractor goal has been applied. The Compliance Monitor shall also review bidders claiming a bid preference or selection factor. The purpose of this review shall be for the Compliance Monitor to consider whether to recommend the bidder's bid is determined to be in compliance or non-compliance with the requirements of these Provisions. The Compliance Monitor may consider relevant information from any person in making this decision. The Compliance Monitor may require the bidder to produce information deemed pertinent and appropriate and may obtain further information from whatever sources the Compliance Monitor deems appropriate.

2. The Compliance Monitor shall notify the bidder in writing stating the facts and the reasons on which the non-compliance is based. The bidder may request a meeting within five (5) business days from the date of the notification of non-compliance. The bidder shall supply further relevant information as required by the Compliance Monitor. No new altered ~~Schedule of Participation and Letter of Intent~~ Schedule of Intent Affidavit will be accepted.

3. The Compliance Monitor shall make a written recommendation to the Contracting Officer, which shall include a statement of the facts and reasons for which the non-compliance is based.

4. Following receipt of a recommendation of non-compliance from the Compliance Monitor, the Contracting Officer shall review the Compliance Monitor's recommendation of bidder's non-compliance with these Provisions. The Contracting Officer shall notify the bidder of such non-compliance. The bidder may request a meeting within five (5) business days from the date of notification of non-compliance with the Contracting Officer if the Contracting Officer was not present at the first meeting referenced in Section VII (A)(2) above. The bidder shall supply further relevant information as required by the Compliance Monitor. No new altered Schedule of ~~Participation and Letter of Intent~~ Schedule of Intent Affidavit will be accepted.

5. The Contracting Officer in conjunction with the Compliance Monitor may conduct an informal meeting with the bidder. Other parties may be invited to offer information relevant to the issue of the bidder's non-compliance.

6. The Contracting Officer shall in writing determine whether the bidder complies with the requirements of these Provisions and whether to recommend to the County

Manager that the contract be awarded to the bidder. A copy of such recommendation shall be sent to the bidder. Such recommendation shall not affect the power of the Board of County Commissioners to reject the bidder's bid for any other reason or to take such action on the recommendation of the Contracting Officer as the Board deems appropriate.

7. Consideration of Other Bids.

If the Contracting Officer or Compliance Monitor deem it advisable in the interest of expediting the award of the contract, the procedures set forth in this subsection may be carried out with respect to the bids of one or more additional bidders at the same or different time with each such proceeding to be separately conducted.

8. Failure of Bidder to Participate.

The bidder will be bound by the proceedings under this subsection to which they have been given required notice without regard to their participation or lack of participation A lack of participation upon receiving notices and requests pursuant to these Provisions shall not be grounds for reconsideration of any action taken in the proceedings.

9. Miami-Dade County shall not award this contract to any bidder. which it determines, fails to comply with the applicable requirements of these Provisions. Nothing herein shall relieve any bidder from any of the terms, conditions or requirements of the contract or modify Miami-Dade County's rights as reserved in the contract document.

VIII. PROMPT PAYMENT

It is the County's intent that all firms, including CSBEs providing construction services to the County, shall receive payments promptly in order to maintain sufficient cash flow.

A PRIME CONTRACTOR RESPONSIBILITIES

1. A prime contractor shall include in its billing to Miami-Dade County or the Public Health Trust copies of those portions of the billings from CSBE subcontractors utilized to meet the subcontractor goal applicable to the contract which the contractor approves and whose cost is included in the payment amount requested from Miami-Dade County or the Public Health Trust. A prime contract which contains a second, third or fourth tier subcontractor goal shall require all subcontractors in direct privity with a second or lower tier CSBE subcontractor, and all successive subcontractors on up to and including the first tier subcontractor level, to include portions of any lower tier CSBE subcontractor's billings which are approved by such subcontractors and are included in any payment amount they request.

2. Prime construction contracts to which a CSBE Trade Set-aside or subcontractor goal has been applied shall require that billings from CSBEs at whatever tier level for which the contract measure has been applied, shall be promptly reviewed and payment made to such CSBEs on those amounts not in dispute within two (2) business days of receipt of payment thereof. The foregoing obligation to promptly review and pay CSBE billings shall apply to prime contractors and subcontractors

who are in direct privity with the CSBE and to each successive subcontractor on up the line to the level of prime contractor. The foregoing notwithstanding, the prime contractor (or subcontractor) shall pay billings from CSBE subcontractors with whom they are in direct privity that are not in dispute within the time frame recommended by the CSBE Advisory Board and implemented by Administrative Order 3-22, as amended, and approved by the Board of County Commissioners.

3. The prime contractor on a prime construction contract to which a CSBE Trade Set-aside or a first tier subcontractor goal has been applied shall inform DBD, the Contracting Officer, and the first tier CSBE subcontractor, in writing, of those amounts billed by the CSBE which are in dispute, and the specific reasons why they are in dispute, within seven (7) calendar days of submittal of such billing by the first tier CSBE subcontractor to the prime contractor. Prime contracts to which a second or lower tier subcontractor goal has been applied shall provide that subcontractors in direct privity with any CSBE utilized to meet such lower tier subcontractor goal, shall inform the affected CSBE in writing, with copies to the prime contractor and DBD, of those amounts of such CSBE's billings that are disputed and the specific reasons thereof within seven (7) calendar days of submittal of such billing from the CSBE.

4. Failure of the prime contractor to comply with the applicable requirements of Section VIII (A) (3) above shall result in the prime contractor's forfeiture of the right to use the dispute as justification for not paying the first tier CSBE subcontractor and payment shall be forthcoming from the prime contractor. Prime contracts to which a second or lower tier subcontractor goal has been applied shall provide that a subcontractor in direct privity with a CSBE utilized to meet such goal who fails to comply with the applicable provisions of subsection (A)(3) above shall result in such subcontractor's forfeiture of the right to use the dispute as justification for not paying the CSBE subcontractor and payment shall be forthcoming from such subcontractor.

COUNTY RESPONSIBILITIES

1. Bid documents for contracts with CSBE contract set-asides, Trades Set-asides or subcontractor goals shall require that billings from contractors under prime construction contracts with Miami-Dade County or the Public Health Trust that are a CSBE contract set-aside or which contain a Trade Set-aside or subcontractor goal shall be promptly reviewed and payment made by the County or Trust on those amounts not in dispute within fourteen (14) calendar days of receipt of such billing by the County or the Trust.

2. DBD may investigate reported instances of late payment to CSBEs.

FINANCE DEPARTMENT RESPONSIBILITIES

The Finance Department shall review billings from contractors under prime construction contracts with Miami-Dade County or the Public Health Trust that are a CSBE contract set-aside or which contain a Trade Set-aside or subcontractor goal and make payment on those amounts not in dispute within fourteen (1 4) calendar days of receipt of billing.

IX. POST AWARD COMPLIANCE AND MONITORING

DBD shall monitor and enforce the compliance of the Successful Bidder with the requirements of these Provisions during the duration of the contract and for up to one year after completion of the work or full payment of contract obligations, whichever comes last.

A. Approval of Subcontracts

The Successful Bidder shall submit to the Contracting Officer, for approval, written subcontracts corresponding in all respects to the Successful Bidder's ~~Schedule of Participation~~ Schedule of Intent Affidavit, or listing of first tier subcontractors as required by the CM-at-risk contract. The Successful Bidder shall enter into a written subcontract with each listed first tier CSBE subcontractor and shall thereafter neither terminate any such subcontract nor reduce the scope of work to be performed by or decrease the price to be paid to the first tier CSBEs thereunder without in each instance-obtaining prior written approval of the Contracting Officer. On contracts where a second, third or fourth tier subcontractor goal has been imposed, the Successful Bidder shall submit to the Contracting Officer, for approval, written subcontracts executed by both the next tier level subcontractor and the lower tier CSBE subcontractor corresponding to the information provided to DBD in Section IV(C)(4)(i)(7) above. The Contracting Officer shall not give a final written determination without a recommendation from the Compliance Monitor.

B. Access to Records

Successful Bidders and CSBEs shall permit the County to have access during normal business hours to books and records relating to the bidder's compliance with the contract set-aside, Trade Set-aside or subcontractor goal applied to the contract or relating to CSBE compliance with certification requirements. Such books and records include, but are not limited to, corporate documents, charters, organizational filings, tax filings, registrations, licenses, stock registrations, partnership agreements, contracts, subcontracts, joint venture agreements, telephone logs, checking accounts, journals, ledgers, correspondence, pension and benefits documents, and documents and records between the bidder or the CSBE and other entities. This right of access shall be granted for one year after completion of the work or full payment of contract obligations, whichever comes last, or for one year after the expiration of CSBE certification

C. Access to Job Site

Successful Bidders and CSBEs shall permit the County to have access to project locations during normal business hours in order to conduct visual inspections and employee interviews.

D. Monthly/Quarterly Reporting

The Successful Bidder on a project that is a CSBE contract set-aside or on a project with CSBE Trade Set-asides or subcontractor goals shall submit monthly a Utilization Report to the Compliance Monitor through the Contracting Officer on or before the tenth working day following the end of the month the report covers. The Compliance Monitor shall give standard reporting forms to the Successful Bidder. The Utilization Report is to

be completed by the Successful Bidder. Where a first tier subcontractor goal has been imposed, the Utilization Report shall include information on CSBEs utilized to meet such first tier subcontractor goal. Where a second, third and fourth tier subcontractor goal has been imposed, the Utilization Report shall also include information on CSBEs utilized to meet such goal. Failure to comply with the reporting requirements may result in the imposition of contractual sanctions or administrative penalties by the County. In addition to the above requirements on County contracts in excess of $25 million which have subcontractor goals the prime contractor shall be required, during the term of the contract, to make a quarterly presentation to the CSBE Advisory Board on his or her performance in meeting such goal.

E. Deviations from the ~~Schedule of Participation or Set-Aside List of Subcontractors~~ Schedule of Intent Affidavit

a. In the event that during the performance of a contract a first tier CSBE is not able to provide the services specified on the ~~Schedule of Participation~~ Schedule of Intent Affidavit or the listing of first tier subcontractors required on a CM-at-risk contract, the Successful Bidder must locate a CSBE to substitute for the unavailable first tier CSBE unless the bidder can prove the lack of an available CSBE to provide the services to be provided by the prior CSBE. The Successful Bidder must receive approval for substitution from DBD by submitting a request in writing addressed to the Director of DBD through the Contracting Officer. The request must include a revised ~~Schedule of Participation~~ Schedule of Intent Affidavit or listing of first tier subcontractors as required on a CM-at-risk contract to include the substitute first tier CSBE and a Letter of Intent from the substitute first tier CSBE. The Compliance Monitor will review the request and make a recommendation regarding the substitution to the Contracting Officer. A Successful Bidder that cannot secure a substitute first tier CSBE must provide a written statement to the Compliance Monitor and Contracting Officer that includes a list of the names, addresses, and telephone numbers of all CSBEs contacted, and the date of contact for each CSBE. All certified CSBEs certified in the appropriate specialty trade area in SIC 17/NAICS 235 must be contacted in order to prove lack of an available CSBE.

In the event that during the performance of a contract where a second, third or fourth tier subcontractor goal has been imposed a second, third or fourth tier CSBE that is not able to provide the services specified to DBD in Section IV(C)(4)(i)(7) above, the Successful Bidder must locate a CSBE to substitute for the unavailable second, third or fourth tier CSBE unless the bidder can prove the lack of an available CSBE to provide the services to be provided by the prior CSBE. The Successful Bidder must receive approval for substitution from DBD by submitting a request in writing addressed to the Director of DBD through the Contracting Officer. The Compliance Monitor will review the request and make a recommendation regarding the substitution to the Contracting Officer. A Successful Bidder that cannot secure a substitute second, third or fourth tier CSBE must provide a written statement to the Compliance Monitor and Contracting Officer that includes a list of the names, addresses, and telephone numbers of all CSBEs contacted, and the date of contact for each CSBE. All certified CSBEs certified in the appropriate specialty trade area in SIC 17/NAICS 235 must be contacted in order to prove lack of an available CSBE.

b. The Compliance Monitor shall be responsible for monitoring the performance of the Successful Bidder regarding compliance with contract set-asides, Trade Set- asides or

subcontractor goals applied to the contract. The Compliance Monitor may, at his or her discretion, investigate deviations in the utilization of first tier CSBEs from that described on the ~~Schedule of Participation~~ Schedule of Intent Affidavit or on the listing of first tier subcontractors as required by a CM-at-risk contract, or deviations in the utilization of second, third or fourth tier subcontractors from the information provided to DBD in Section IV(C)(4)(i)(7) above on contracts where a second, third or fourth tier subcontractor goal has been imposed, and make recommendations regarding compliance to the Contracting Officer. The Contracting Officer shall not make a final determination without a recommendation regarding compliance from the Compliance Monitor. Deviations from the goal stated in the contract that shall be monitored include, but are not limited to:

1. Termination of a CSBE's subcontract;

2. Reduction in the scope of work to be performed by a first tier CSBE or reduction in the scope of work to be performed by a second, third or fourth tier CSBE utilized to meet a second, third or fourth tier subcontractor goal;

3. Modifications to the terms of payment or price to be paid to a CSBE; or

4. Failure to enter into a contract with a CSBE being utilized to meet a first, second, third or fourth tier subcontractor goal.

c. Excuse from Entering into Subcontracts

If, prior to execution of a subcontract required by this Administrative Order, the Successful Bidder submits a written request to the Contracting Officer demonstrating to the satisfaction of the Contracting Officer that, as a result of a change in circumstances beyond his/her control of which he/she was not aware and could not reasonably have been aware until subsequent to the date of the award of the contract, a CSBE who is to enter into such subcontract has unreasonably refused to execute the subcontract, or is not available, the Successful Bidder shall be excused from executing such subcontract. The procedures of paragraphs (e) and (f) below shall apply to this paragraph.

d. Termination of Subcontracts

If, after execution of a subcontract required by this Administrative Order, the Successful Bidder submits a written request to the Contracting Officer and demonstrates to the satisfaction of the Contracting Officer that, as a result of a change in circumstances beyond his/her control of which he/she was not aware and could not be reasonably have been aware, until subsequent to the date of execution of such subcontract, a CSBE, who entered into such subcontract has committed a material breach of the subcontract, the Successful Bidder shall be entitled to exercise such rights as may be available to him/her to terminate the subcontract. The procedures of paragraphs (e) and (f) below apply to this paragraph.

e. County's Determination of Bidder's Excuse or Termination

If the Successful Bidder at any time submits a written request to the Contracting Officer under the prior two paragraphs, the Contracting Officer as soon as practicable, shall determine whether the Successful Bidder has made the requisite demonstration,

and shall not determine that such a demonstration has not been made without first providing the Successful Bidder, upon notice, an opportunity to present pertinent information and arguments. The procedures of paragraph (f) below apply to this paragraph.

f. Alternative Subcontracts

If the Successful Bidder is excused from entering into a subcontract or rightfully terminates a subcontract under this Administrative Order and without such subcontract the Successful Bidder will not achieve the level of CSBE participation upon which the contract was awarded, the Successful Bidder shall make every reasonable effort to propose and enter into an alternative subcontract or subcontracts for the same work to be performed by another available CSBE as appropriate, for a subcontract price or prices totaling not less than the subcontract price under the excused or terminated subcontract, less all amounts previously paid thereunder. The Successful Bidder must submit to the Compliance Officer a revised ~~Schedule of Participation or Set-Aside List of Subcontractors~~ Schedule of Intent Affidavit or listing of first tier sub-contractors as required on a CM-at-risk contract and ~~Letter of Intent~~ Schedule of Intent Affidavit to include the substitute first tier CSBE. For contracts where the Successful Bidder is requesting substitution of a second, third or fourth tier CSBE subcontractor, the Successful Bidder must submit to the Compliance Officer a revised list of the second, third or fourth tier subcontractors being utilized to meet the goal. A Successful Bidder that cannot secure a substitute CSBE must provide a written statement to the Compliance Monitor and Contracting Officer that includes a list of the names, addresses, telephone numbers, and the date of contact for each CSBE. All CSBEs certified within the appropriate SIC/NAICS code or trade category must be contacted. The procedures of paragraphs (1) and (2) below apply to this paragraph:

1. The Compliance Monitor may require the Successful Bidder to produce such information, as the Compliance Monitor deems appropriate and may obtain further information from other sources. The Compliance Monitor shall make his/her recommendation under this paragraph to the Contracting Officer and forward a copy to the bidder.

2. The Contracting Officer will consider objections to the Compliance Monitor's recommendation only if such written objections are received by the Contracting Officer within five calendar days from the Successful Bidder's receipt of the Compliance Monitor's recommendation. The Contracting Officer with or without a hearing, and as he/she in his/her discretion may determine, will reply to the Successful Bidder's written objection within ten (10) days of receipt of these objections.

X. SANCTIONS FOR CONTRACTUAL VIOLATIONS

Bid and contract documents shall provide that, notwithstanding any other penalties or sanctions provided by law, a bidder's violation of or failure to comply with this ordinance or this Administrative Order may result in the imposition of one or more of the following sanctions:

1. The suspension of any payment or part thereof until such time as the issues concerning compliance are resolved;

2. Work stoppage;

3. Termination, suspension, or cancellation of the contract in whole or part; and

4. In the event a bidder or CSBE attempts to comply with these Provisions through fraud, misrepresentation, or material misstatement, or is found after a hearing to have discriminated in violation of Article VII of Chapter 11A of the Code of Miami-Dade County, the County shall, whenever practicable, terminate the contract or require the termination or cancellation of the subcontract for the project on which the bidder or CSBE committed such acts. In addition, and as a further sanction, the County Manager or his or her designee may impose any of the above-stated sanctions on any other contracts or subcontracts the bidder or CSBE has on County projects. In each instance, the bidder or CSBE shall be responsible for all direct and indirect costs associated with such termination or cancellation including attorney's fees and costs. The bidder or CSBE may also be subject to debarment.

5. In the event that a bidder fails to achieve the CSBE measure after completion, the bidder's eligibility to receive an future county contracts will be conditioned upon the bidder making up the deficit in CSBE participation in such future contracts by having CSBEs perform equal to double the dollar value of the deficiency in the CSBE measure in the prior contract. The procedures for making up the CSBE deficit are as follows:

a. Upon completion of a County contract with CSBE measures the compliance monitor for DBD in accordance with Ordinance 97-52, as amended, will obtain the final Monthly Utilization Report and determine if the bidder has met the CSBE measures.

b. If the bidder has not met the CSBE measures, the compliance officer will notify the bidder in writing of the CSBE deficit.

c. If the bidder is found in non-compliance with the CSBE measures, the compliance officer may issue a letter of non-compliance requesting that the bidder make up the CSBE deficit on an existing or future County contract for double the amount of the ~~deficit on the contract in question. The bidder will also be required to submit a plan~~ indicating any current or future County contracts in which the CSBE deficit will be remedied.

d. The bidder must respond to DBD in writing within ten business days from the date of the non-compliance letter. The bidder must acknowledge receipt of the non-compliance letter and provide a plan to make up the CSBE measure.

e. The compliance monitor will review the plan for approval.

f. When a contract is identified in which the CSBE measure deficit will be remedied, the bidder will provide a ~~Schedule of Participation~~ Schedule of Intent Affidavit or a listing of first tier subcontractors as required in a CM-at-risk contract, and ~~Letters of Intent~~ Schedule of Intent Affidavit for the CSBE firm(s) that will be utilized in making up the deficit.

g. The bidder will remain in a non-compliance status until the CSBE make-up goal has been achieved.

h. Failure of the bidder to make up the CSBE measure when opportunities are available on existing or future County Contracts will result in the imposition of other penalties or sanctions as referenced in Sections X and XI.

Some of the contractual violations that may result in the imposition of sanctions listed in Section X above include, but are not limited, to the following:

1. A CSBE serving as a conduit for CSBE work awarded to a firm as a CSBE but which is being performed by a non-CSBE firm;

2. A prime contractor not meeting CSBE Program Trade Set-aside or subcontractor goal requirement;

3. Not obtaining or retaining CSBE certification while performing Work designated for CSBE firms;

4. Failure to submit monthly utilization reports;

5. Failure to comply with CSBE certification requirements, including not maintaining a place of business in Miami-Dade County, not reporting organizational and operational changes, providing inaccurate or false information, and other certification related violations;

6. Failure to maintain certification;

7. Deviations from the ~~Schedule of Participation~~ Schedule of Intent Affidavit or listing of first tier subcontractors as required on a CM-at-risk contract without prior approval from DBD;

8. Termination of the CSBE's contract without prior approval from DBD;

9. Reduction of the scope of work of a first tier CSBE subcontract without prior approval from DBD or reduction of the scope of work of a second, third or fourth tier subcontract utilized to meet a second, third or fourth tier subcontractor goal without prior approval of DBD;

10. Modifications to the terms and/or prices of payment to a CSBE without prior approval from DBD; or

11. Unjustified failure to enter into a written first tier subcontract with a CSBE after listing the firm on a ~~Schedule of Participation~~ Schedule of Intent Affidavit. Unjustified failure to enter into a written second, third or fourth tier subcontract with a CSBE utilized to meet a second, third or fourth tier subcontractor goal.

XI. ADMINISTRATIVE PENALTIES

A. Debarment

1. The County may debar a CSBE or a non-CSBE for violation of, or non-compliance with, the provisions of Ordinance No. 97-52 as amended, this Administrative Order, or implementing bid documents.

2. Causes for debarment are as noted in Section 10-38 of the Code. These include but are not limited to, a preponderance of the evidence that the CSBE has forfeited a bond or defaulted on financial assistance, either of which was provided under the CSBE program; or if any individual or corporation, partnership or other entity, or any individual officer, shareholder with a significant interest, director or partner of such entity, qualifying agent or affiliated business of such entity attempts to comply with the provisions of this ordinance through fraud, misrepresentation, or material misstatement.

B. Decertification

Violations of certification requirements are addressed in Section II of the Administrative Order.

SCHEDULE OF I[illegible]NT AFFIDAVIT
COMMUNITY SMALL BUSINESS ENT[illegible]PRISE PROGRAM PARTICIPATION

Name of Prime Contractor Firm _____ Contact Person _____

Address _____ Phone _____ Fax _____

Project Name _____ Project Number _____

CSBE Contract Measure _____

This form must be completed by the Prime Contractor and the CSBE Subcontractor that will be utilized for scopes of work on the project. Bidders must include this form in a separate envelope at the time of bid submission.

Name of Prime Contractor	Certification No. (If applicable)	Certification Expiration Date (If applicable)	Type of CSBE work to be performed by Prime Contractor	Prime Contractor % of Bid
			Prime Contractor Total Percentage:	

The undersigned intends to perform the following work in connection with the above contract:

Name of Subcontractor	Certification No.	Certification Expiration Date	Type of CSBE work to be performed by Subcontractor	Subcontractor % of Bid
		Subcontractor Total Percentage:		

I certify that the representations contained in this form are to the best of my knowledge true and accurate.

Prime Signature _____ Prime Print Name _____ Prime Print Title _____ Date _____

The undersigned has reasonably uncommitted capacity sufficient to provide the required goods or services, all licenses and permits necessary to provide such goods or services, ability to obtain bonding that is reasonably required to provide such goods or services consistent with normal industry practice, and the ability to otherwise meet the bid specifications.

Subcontractor Signature _____ Subcontractor Print Name _____ Subcontractor Print Title _____ Date _____

☐ Check this box if this project is a set-aside and you are performing 100% of the work with your own work forces.

DBD 400

NXT 5182

PSC 6845

UNAVAILABILITY CERTIFICATE

_____, _____
Name Title

of _____ certify that on _____
Firm Name Date

I contacted the _____
CSBE

to obtain a bid for work items to be performed on Miami-Dade County Contract No. _____

Work Items Sought	Percentage	Amount

_____
Signature

_____
Print Name

_____
Title

I, _____ was offered the above opportunity to bid.
CSBE Firm Name

I was unavailable to perform the above work at the above specified time due to:

_____

I am aware that Miami-Dade County Administrative Orders _____, Part _____ states: "_____".

_____ _____
Signature CSBE Certification Number

_____ _____
Print Name Expiration Date

_____
Title

DBD 303

NXT 5183

PSC 6846

Unavailability of a CSBE Due to Competitiveness

Administrative Order 3-22 states "Bidders may establish a CSBE as unavailable if its bid is not reasonably competitive with comparable bids for non-CSBEs for the same scope of work. To establish a CSBE as unavailable if its bid is not considered reasonably competitive, the prime bidder must furnish DBD with copies of all bids received from all firms, both CSBEs and non-CSBEs, for each specific scope of work for which they are claiming that the bid is not reasonably competitive. A CSBE's bid will be considered reasonably competitive if its bid, for the same scope of work, is within 25% of the bid of comparably sized non-CSBE firms. DBD Form 305A must be filled out and submitted by the Prime Contractor at the time of bid submission. Any omissions on the form should be cured within 48 hours of notification.

I, _____, Title _____ of _____, certify that on _____, 20 ___, I contacted the following firms to obtain a bid for the following scope(s) of work:

_____

_____

Name of Firm	CSBE (Y/N)	Bid for above Scope of Work	Annual Gross Revenues ($)	Number of Employees

Have each of the non-CSBE firm(s) identified on this form fill out DBD Form 305B and submit the Form 305B to the Contracting Officer by 4:00 p.m. on the second business day following bid submission due date. If more than 5 firms were contacted, please complete additional copies of this form and submit them with your bid.

Signature: _____ Print Name: _____ Date: _____

DBD Form 305A

NXT 5184

PSC 6847

MONTHLY CSBE UT[illegible]ZATION REPORT

This report is required to be submitted by the tenth day, or before, of each month to Miami-Dade County (MDC) Failure to comply may result in MDC commencing proceedings to impose sanctions on the successful bidder, in addition to pursuing any other available legal remedy Sanctions may include the suspending of any payment or part thereof, termination or cancellation of the contract, and the denial to participate in any further contracts awarded by MDC

REPORTING PERIOD	
) :	
ιOM :	

PROJECT NAME	
PROJECT NUMBER	
PROJECT LOCATION	

CSBE PROJ. MEASURES	X	%
TRADE SET-ASIDE		
GOALS		
SET-ASIDE		
SIC CODE		

PRIME CONTRACTOR	CONTRACT AWARD DATE	CONTRACT AWARD AMOUNT	CHANGE ORDER AMOUNT	CONTRACT PERIOD	% COMPLETED TO DATE
,ME					
IDRESS					
:L. #					

IOUNT REQUISITIONED THIS PERIOD $ _____ PROJECTED START DATE _____

TAL AMOUNT REQUISITIONED TO DATE $ _____ COMPLETED DATE _____

COMMUNITY SMALL BUSINESS ENTERPRISE (CSBE) OPPORTUNITIES

NAME OF CSBE	DESCRIPTION OF WORK	CONTRACT AMOUNT	AMOUNT PAID TO DATE	AMOUNT REQUISITIONED THIS PERIOD	CONTRACT PERIOD	
					STARTING DATE	ENDING DATE
	TOTAL					

cuted by _____
Signature of Affidiant

Printed Name of Affidiant

Sworn before me This _____ Day of _____ 200

Notary Public

Form DBD M300

NXT 5185

PSC 6848

APPENDIX B

MANAGEMENT/TECHNICAL ASSISTANCE SERVICES

Management and Technical Assistance Services are provided based on need and tailor made to address those needs on a case-by-case basis. These services shall be offered to an applicant when it is determined by DBD and/or the Consultant that the inclusion of these services will enhance the bonding or financial assistance opportunities for firms which under normal procedures would not qualify for bonding or financial assistance.

The following represents the minimum services required by the County to be offered to the small businesses:

a. Pre-Award Services

- Assist with pricing;
- Assist with the preparation of the bid or proposal documents;
- Analyze the specifications, bid and labor problems;
- Assist with purchasing material for the job;
- Assist with the preparation of change orders, job budgets, and trade payment breakdown;
- Assist with obtaining construction permits and subcontractor permits for subcontracts;
- Assist interested and qualified small businesses that lack bonding and loan credit facility to obtain bonding, loans and lines of credit;
- Assist with construction scheduling;
- Assist in quality control;
- Assist with cost control;
- Avoid time delays;
- Assist in site management; and
- Maintain a file of successful bid/proposal documents from past procurement and encourage Program participants to review and evaluate such documents.

b. Post-Award Services.

- Attend pre-construction conference;
- Monitor schedules, performance and compliance with construction management directives;
- Monitor and report routinely on contractor's progress and performance;
- Coordinate information regarding contractor's performance with General Contractor and Construction Manager/Inspector;
- Assist in conflict resolution;
- Assist when language is a barrier;
- Monitor work product and relations with suppliers and subcontractors;
- Review monthly draws and payment schedules;
- Monitor contractor's payroll and tax reporting functions;
- Prepare periodic reports for bonding and working capital providers;
- Prepare final report on contractor's performance; and
- Conduct debriefing sessions, at the request of unsuccessful bidders or at the discretion of DBD, on awarded contracts to explain why bids/proposals may have been unsuccessful.

c. Access to Business Management Services including:

- Business planning
- Financial planning
- Tax planning -Marketing
- Contract procurement
- Franchising
- Cash flow management
- Pursuit of capitalization
- Creating/improving business image
- Computerization
- Receivables and payables management
- Entrepreneurial training
- Cost accounting methodology and practice
- Total quality management (TQM)
- Industrial and manufacturing development
- Distribution
- Inventory control
- Provide two computer workstations, accessible by the physically challenged
- Develop and design an electronic information system (i.e., electronic bulletin board or Internet Web Page) designed to benefit small businesses by providing information and links to resources including technical service providers, professional organizations and area chambers of commerce
- Establish Small Business Resource Library, which includes:
- On line computer services
- video tutorials
- magazines
- books
- reference materials
- federal information support, which includes:
  1. current bidding opportunities
  2. government literature on regulatory changes
  3. timely information on available federal programs
- -Provide newsletter, which contains:
  1. timely information on specialized training, seminars and conferences
  2. "Client Classifieds" which helps match client services, identifies personnel, and markets special activities sponsored by Program clients
  3. a listing of vendors who have established special service delivery costs for Program participants.

d. Other:

Evaluate and provide feedback and suggested changes to the County Manager on construction related contracting and procurement processes within the County. Such processes include bid/proposal specifications, procurement policy, job performance requirements, dividing of contracts and purchase orders into smaller sizes to afford greater opportunities, general bidding requirements, bonding and insurance requirements, certification procedures, etc.

Establish a Technical Assistance Account for each Program Participant upon completion of the Needs Assessment portion of the Program. This account is limited to $2,500 per year, subject to availability of funds. Funds from this account may be used to pay for

Technical Assistance Services not available through the County or through DBD (such as approved educational training programs, seminars, conferences, etc.),

C.2 COMUMUNITY OUTREACH

DBD and the Consultant shall coordinate Community Outreach to stimulate the interest of the small business community in the Program. The Consultant must design and implement (with DBD) an outreach program that will communicate the advantage of the Program as well as convince potential participants that contracting opportunities exist. The County Manager or his or her designee must approve this outreach program. before implementation. The Program must demonstrate ongoing recruitment and assistance to small businesses. The following reflects the minimum frequency of Consultant outreach services required during the contract period.

Programs	**Frequency**
Technical Workshops	Quarterly
*Organizational Outreach	On-going
Advertisement in major & minority publications	Monthly

*Organizational Outreach in the community includes briefing the local Chambers of Commerce, trade organizations and other agencies as deemed necessary to emphasize the purpose and assistance offered under the Program.

The Consultant shall provide the County Manager or his or her designee with a schedule of workshops or other related activities within 30 days of the planned event. Potential program participants must conduct these activities within the Miami- Dade County area at locations and times, which will afford maximum attendance.

The Consultant shall also:

- Communicate with contractors/vendors that are currently certified with the County under the CSBE program or the Minority & Women-Owned Business Enterprise Program;
- "Network" with local organizations to assure maximum exposure to potential contractors/vendors;
- Develop a marketing/communications program to encourage participation by small businesses;
- Develop a database of small businesses; and
- Design and develop a program to disseminate information, which will inform potential participants of the criteria, guidelines and benefits of the Program.

C. 3 PROGRAM RESTRICTIONS

The following restrictions shall apply to the program applicant:

a. Any applicant who exceeds the CSBE program size thresholds is prohibited from participating in this program.

b. Applicants who have been identified through the Needs Assessment as needing MTA will be certified for such assistance for a period of two (2) years after identification of such need.

USE OF OTHER LOCALLY FUNDED ASSISTANCE AGENCIES

The Consultant shall utilize the services of other publicly and privately funded assistance agencies and non-profit agencies, which can provide technical and financial services to small businesses required under this contract.

APPENDIX C

MENTOR PROTEGE PROGRAM:

I. Program Mission

Miami-Dade County seeks to build effective working relationships between leaders of mature established companies and emerging small business enterprises in order for the latter to benefit from the knowledge and experience of the established Mentor firms. Working together in regular meetings, the Mentors will focus on and assist with the development of the Protégé's business plan, identifying the most critical needs to achieve the plan, and implementing the actions to obtain the results.

The Mentor-Protégé Program is a community based effort-involving leaders of major firms, financial and bonding institutions, contracting associations, small business enterprises, and support service organizations. The Program is a deliberate effort to overcome barriers that typically inhibit or restrict the success of small businesses. The Program is designed to produce a broad base of high quality, competitive and profitable companies through incremental improvement. It is expected that as a result of the Mentor-Protégé Program, Protégés will experience a greater than industry average success rate and realize the growth and profitability objectives of their business plans as well as long range stability. By implementing the Mentor-Protégé Program as a component of its CSBE program, Miami-Dade County will provide a community benefit by strengthening emerging businesses and providing them with previously denied opportunities for growth, expansion and increased participation in Miami-Dade County's economic development.

2. Definitions

A. DBD - The Miami-Dade County department that sponsors and provides direct support and overall management to the Mentor-Protégé Program component of the CSBE program.

B. Mentor-Program Coordinator - The DBD staff member designated as the individual responsible for coordinating and administering the various activities of the Mentor-Protégé Program.

C. Mentor- A firm with an actual functioning place of business in Miami-Dade or Broward County which is deemed by DBD as productive and successful, and which has applied for and has been approved by DBD, in accordance with applicable procedures, for participation as a mentor in the Mentor-Protégé Program. Although a Mentor may not provide mentoring services to more than three (3) Protégé firms at anyone time, it is allowed to serve as a Mentor for an unlimited number of times (pursuant to DBD approval).

D. Protégé -A certified CSBE firm which has applied for and has been approved, in accordance with applicable procedures, for participation as a protégé in the Mentor-Protégé Program. Such participation cannot exceed two (2) years and a firm may have only one (1) term of participation as a protégé.

3. Individual Goals

A. The primary goals of Miami-Dade County's CSBE Mentor-Protégé Program are:

a. To develop and strengthen Protégé firms through coaching and counseling from Mentors.
b. To expand business opportunities for Protégé firms.
c. To enable Protégés to become competent and viable well managed businesses.
d. To assist mentoring companies in carrying out their civic and corporate responsibilities by furnishing opportunities to provide developmental assistance to other emerging Miami-Dade County firms
e. To enhance Miami-Dade County's overall business and economic environments

4. Measurable Objectives

An important facet of the Miami-Dade County Mentor-Protégé Program is the ability to conduct ongoing monitoring and assessment of the results of implementation of the Program through the use of measurable program objectives. The primary measurable objectives to be considered in the evaluation of the effectiveness of the Mentor-Protégé Program are:

A. Specific Protégé Objectives

1. Increase in Protégé's business capital.
2. Increase in Protégé firm's capacity to perform as depicted in equipment owned or leased, size of payroll, materials purchased, overhead costs, etc.
3. 3 Increase in Protégé's bonding capacity.
4. Increase in Protégé's gross earnings.
5. Increase in Protégé's net earnings and profit margin.
6. Increase in Protégé's credit rating.
7. Increase in value of Protégé's current and future work.
8. Increase in Protégé firm's longevity and viability during and after concluding Mentor-Protégé participation.
9. Achievement of goals outlined in the strategic business plan.

~~From various financial, operating, personnel, and other reports received from the Protégé, the~~ above objectives are determined, monitored and evaluated at the beginning stage of the Protégé's participation in the Mentor-Protégé Program, at various intervals (monthly, quarterly and annually) throughout the duration of the Protégé's participation in the Program, at the conclusion of the two-year mentoring period, and through follow-up annual review from one to five years after the Protégé has completed the Mentor-Protégé Program. This provides a means of determining whether mentoring procedures need to be revised or refocused either within individual Mentor-Protégé teams or with the entire Program, and helps to track the long-range impact of participation in the Mentor-Protégé Program.

B. General Program Objectives

1. Increase in number of actual or requested Mentor-Protégé Program Mentors.

2. Increase in number of actual or requested Mentor-Protégé Program Protégés.

3. Increase in repeat Mentor-Protégé Program participation by Mentors.

4. Increase in successful graduates.

5. Program eligibility and participation.

5. Program Eligibility and Participation

A. Mentor Eligibility Requirements

1. The potential Mentor shall be a company, which is successful and productive in its area of work or services with a minimum of five (5) years of experience in its principal industry and which agrees to provide developmental assistance through the Mentor-Protégé Program.
2. The Mentor firm must have and maintain an actual place of business where it provides its actual products and services in Miami-Dade County throughout the duration of its mentorship.

3. The Mentor firm must be, and remain, in good legal business standing with the State of Florida, Miami-Dade County and all other local jurisdictions. Mentors must be solvent and licensed businesses.

4. The potential Mentor shall agree to follow all Mentor-Protégé Program guidelines and devote the necessary time, staff and other resources in order to fulfill its responsibility as a Mentor, including attending all meetings scheduled with Protégé and/or DBD.

B. Mentor Application Process

1. The potential Mentor shall apply with DBD on the appropriate application form to be considered for program participation as a Mentor. Documentation such as company brochures, occupational licenses and other licenses may be required to ensure basic eligibility requirements are met.

2. In some instances it may be necessary for DBD to contact the owner or managers of the prospective Mentor by telephone or to visit the offices to determine whether an applicant firm is eligible to be a Mentor.

3. DBD shall review the application and inform the applicant whether it has been approved as a Mentor within ten (10) business days of receipt of the completed Mentor application.

4. DBD will assign Protégés to Mentors (either one or two Mentors per Protégé, as available or appropriate) subject to approval by the CSBE Advisory Board and both parties must sign an agreement to formalize their commitment to the Program. Pairing Mentors with Protégés, which have a working relationship with each other, will be strongly discouraged since one of the objectives of the Mentor-Protégé Program is to establish new productive relationships in the construction industry

C. Mentor Responsibilities

1. Meetings -The approved Mentor shall conduct monthly face-to-face coaching and counseling meetings with the Protégé to review the Protégé's strategic business plan and to discuss problems, strategies, and objectives for timely and efficient completion of projects and effective management. These meetings will be held at a time and place mutually agreed upon by the Mentor and Protégé; however, such meetings should occur no less than once every thirty (30) calendar days between the first and 10th day of each month and should be at least two (2) hours in duration (more time should be allotted for these meetings as deemed necessary). The agenda for the meetings should be established in advance and should consist of items relevant to the Protégé's previously identified problem areas and his/her changing needs as well as the current experiences of both the Mentor and Protégé. The Protégé will also be expected to provide reports on his/her efforts in implementing the established phases of its business plan or any actions suggested by the Mentor at the previous counseling session(s) and both parties should establish target dates for any further improvements or enhancements. The Mentor and Protégé shall alternate in preparing a report of the results of the monthly meeting using the form and format provided and submitting a copy of the report to the other party as well as to the DBD Mentor-Protégé Program Coordinator and the CSBE Advisory Board within five (5) business days of the meeting. The Mentor-Protégé Program Coordinator or a representative shall attend the monthly meetings between Mentor-Protégé teams at least every other month.

2. Informal Contacts -The Mentor should also routinely communicate with the Protégé on the telephone and attempt to make other informal contacts or correspond on a routine basis (such as every other day) to discuss daily problems and situations encountered by the Protégé and to provide periodic review.

3. Introduction to Resources -The Mentor shall, as frequently as possible, introduce the Protégé to various business resources in which he/she consults, including representatives in the banking, bonding, management, and business industries as a means of providing access and breaking down previously existing barriers which may have hindered small businesses in the past.

4. Independence - The Mentor must not assume managerial or administrative control of the Protégé during or following the mentorship period.

5. Reporting Problems to DBD - The Mentor will discuss progress, issues or problems encountered with the Mentor-Protégé arrangement with DBD Mentor-Protégé Program coordinating staff as soon as possible after concerns are identified.

6. Working Relationships - Nothing in the Mentor-Protégé Program regulations shall prohibit Mentors and Protégés from working together on joint ventures or in contractor-subcontractor arrangements on construction or other projects provided that control of the Protégé firm remains with the Protégé itself. These Protégés may be used to meet subcontractor goals on which the Mentor bids.

7. Incentives - In addition to the benefits provided in the section immediately above, Mentors can be compensated for their involvement in the Mentor-Protégé Program by the award of an incentive on bidding on Miami-Dade County contracts. This incentive may consist of either 2% of the bid price, or up to 10% of the total evaluation points, for bid

evaluation purposes only. A Mentor claiming an incentive in bidding on Miami-Dade County contracts based on involvement in the Mentor-Protégé Program must meet the eligibility criteria shown in Section XII of this Administrative Order.

D. Protégé Eligibility Requirements

1. The prospective Protégé shall be a company certified as a CSBE with DBD, must have been actively conducting business for a minimum of two (2) years, must be considered as ready for expansion, and must agree to participate fully in the Mentor-Protégé Program.

2. .2. The prospective Protégé firm must have and maintain an actual place of business where it provides its actual products and services in Miami-Dade County throughout the duration of its Mentor-Protégé Program participation.

3. The prospective Protégé firm must be and remain in good legal business standing with the State of Florida, Miami-Dade County and all other local jurisdictions. Protégés must be solvent and licensed businesses.

4. The prospective Protégé shall agree to follow all Mentor-Protégé Program guidelines and devote the necessary time, staff and other resources in order to fulfill its responsibility as a Protégé, including attending all meetings scheduled with the Mentor and/or DBD.

E. Protégé Application Process

1. The prospective Protégé shall apply with DBD on the appropriate application form to be considered for program participation as a Protégé. Accompanying the application should be a completed strategic business plan and the documentation requested providing various information concerning the prospective Protégé's current financial standing, bonding level, capacity, staffing, workload, and other key business indicators. Additional documentation such as company brochures, occupational licenses and other licenses may be required to determine Mentor-Protégé Program eligibility requirements.

2. DBD shall review the application and inform the applicant whether it has been approved as a Protégé within ten (10) business days of receipt of the completed Protégé application.

3. DBD will assign Protégés to Mentors as deemed appropriate and/or as available and both parties must sign an agreement to formalize their commitment to the Program.

F. Protégé Responsibilities

1. Strategic Business Plan - The Protégé shall prepare and strive to achieve goals outlined in a strategic business plan. DBD's Management and Technical Assistance Program (MTA), as described in Section XXI of this Administrative Order, should be used by the Protégé as a resource in developing this business plan if such assistance is needed. This business plan shall serve as a guideline and benchmark for evaluating the Protégé's progress in the Mentor-Protégé Program.

2. Meetings -The approved and assigned Protégé must make him/herself available for the monthly face to face coaching and counseling conferences with the Mentor and must be consistently prepared to review progress made in achieving the desire outcome outlined in their strategic business plan. In the meeting the Protégé must make the Mentor aware

of all problems affecting the timely and efficient completion of projects and effective management of the firm. These conferences will be held at a time and place mutually agreed upon by the Mentor and Protégé; however, such meetings should occur no less than once every 30 calendar days between the first and 10th day of each month and should be at least two (2) hours in duration (more time should be allotted for these meetings as deemed necessary). The topics for the meetings should consist of items relevant to the Protégé's previously identified problem areas and his/her changing needs as well as the current experiences of both the Mentor and Protégé. The Protégé will also be expected to provide reports on his/her efforts in implementing the established phases of its business plan or any actions suggested by the Mentor at the previous counseling session(s) and both parties should establish target dates for any further improvements or enhancements. The Mentor and Protégé shall alternate in preparing a report of the results of the monthly meeting and submitting a copy of the report to the other party as well as to the DBD Mentor-Protégé Program Coordinator and CSBE Advisory Board.

3. Informal Contacts - The Protégé should also routinely' converse with the Mentor on the telephone and attempt to make other informal contact or correspond on a routine basis (such as every other day) to discuss daily problems and situations encountered by the Protégé and to obtain periodic counseling and guidance as needed.

4. Use of Training Resources - In an effort to enhance its business and industry knowledge and effectiveness, the Protégé may be required to attend. at its own expense if necessary, training conferences, coursework, or workshops on a routine basis as recommended by the Mentor or Mentor-Protégé Program Coordinator. These conferences are expected to cover various aspects of general business management as well as training sessions addressing specific industry topics. Attendance at these events must be recorded and made a part of the progress report for the appropriate period of attendance.

5. Use of MTA Program - In an effort to enhance its business and industry knowledge and effectiveness, the Protégé may be required to make routine use of the technical assistance component of the CSBE program by seeking, scheduling and attending various services professionals as provided by the MTA Program. A listing of these resources are available through DBD and participation in the MTA Program must be recorded and made a part of the progress report for the appropriate period of participation.

6. Independence - The Protégé is not permitted to relinquish managerial or administrative control to the Mentor.

7. Reporting Problems - The Protégé will discuss poor progress or problems encountered with the Mentor-Protégé arrangement with DBD Mentor-Protégé Program coordinating staff as soon as possible after concerns are identified.

6. Program Coordination

A. DBD is responsible for the overall coordination and administration of the CSBE Mentor-Protégé Program DBD's duties will include:

1. Advertising and promoting the program.
2. Organizing related business events.
3. Identifying and approving potential Mentors.
4. Identifying and certifying potential Protégés.

5. Assigning Mentors to Protégés as available.
6. Informing and reminding Mentors and Protégés of their roles and responsibilities.
7. Amending Mentor-Protégé meetings to promote effective cooperation and participation.
8. Reviewing meeting and progress status reports.
9. Maintaining program records.
10. Contracting for the management, accounting and other professional services that Protégés will need.
11. Identifying the necessary sources of program funding.
12. Attracting the support of larger corporate sponsors.

Dept. of Business Development
Project Worksheet

DBD DEPARTMENT OF BUSINESS DEVELOPMENT

RC Date: 01/08/2003
Item No: 3-01

Contract Title: TELECOMMUNICATIONS AND NETWORK MANAGEMENT SERVICES AGREEMENT (SIC 17)
Project/Contract No: MDAD-04-01
Funding Source: AVIATION BONDS
Department: AVIATION DEPARTMENT
Resubmittal Date(s):
Estimated Cost of Project/Bid: $50,000,000.00
Description of Project/Bid: TO ESTABLISH A CONTRACT FOR THE PROVISION OF TELECOMMUNICATIONS AND NETWORK MANAGEMENT SERVICES AT MIA, GENERAL AVIATION AIRPORTS, AND OTHER COUNTY FACILITIES. THE TERM OF THE AGREEMENT WILL BE FOR FIVE (5) YEARS AND THE COUNTY RESERVES THE RIGHT TO EXTEND THIS AGREEMENT FOR UP TO TWO (2) CONSECUTIVE SEPARATE TERMS OF ONE (1) YEAR EACH, NOT TO EXCEED SEVEN (7) YEARS.

Contract Measure Recommendation

Measure	Program	Goal Percent
Goal	CSBE	4.00%

Rationale for Recommendation

An analysis of the factors contained in Section VI, C of Administrative Order 3-22, indicate a 4.0% goal in the recommended electrical trade, is appropriate.

Factors Considered in Recommendation of Goal

Subtrade	Cat.	Estimated Value	% of Items to Base Bid	Availability
Electrical Contractors	CSBE	$2,000,000.00	4.00%	37
Total		$2,000,000.00	4.00%	37

Living Wages: YES [ ] NO [X]
Responsible Wages: YES [X] NO [ ]

Ordinance 91-143 is applicable in all construction projects over $100,000 that do not utilize Federal Funds

2003 JAN 17 PM 4:41
MINORITY AFFAIRS

REVIEW COMMITTEE RECOMMENDATION

Set Aside _____ Level 1 _____ Level 2 _____ Level 3 _____
Trade Set Aside (MCC) _____ Goal 4% Bid Preference _____
No Measure _____ Deferred _____ Selection Factor _____

Chairperson, Review Committee — 1/8/03 Date
County Manager — Date

NXT 5197

PSC 6860

DEPARTMENT OF BUSINESS DEVELOPMENT

Miami-Dade County Department of Business Development
Certified CSBE Firms as of
February 27, 2003

FIRM NAME	CONTACT	ADDRESS	PHONE FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
A & P ELECTRICAL CONTRACTORS, INC.	ANTONIO GONZALEZ	8295 SW 2nd St Miami, FL 33144-0000	305-883-3359 305-229-1566	15	08/31/2003	CSBE LEVEL 1 23531 Electrical Contractors
A & Q FENCE CORP.	MANUEL QUINONES	5220 NW 72 Ave, #29 Miami, FL 33166-0000	305-634-0444 305-463-0190	17	08/31/2003	CSBE LEVEL 1 23599 All Other Special Trade Contractors
A - 1 HERMI ROOFING CO.	MIGUEL HERNANDEZ	8201 NW 74th Ave Miami, FL 33166	305-888-2999 954-384-4130	21	08/31/2003	CSBE LEVEL 1 23561 Roofing, Siding, And Sheet Metal Contractors
A 2 GROUP, INC.	ALBERTO RIBAS	5001 SW 74 Ct, # 103 Miami, FL 33155	305-668-8939 305-668-9454	28	08/31/2003	CSBE LEVEL 1 234 Heavy Construction 23332 Commercial And Institutional Building Construction 23411 Highway And Street Construction 23591 Structural Steel Erection Contractors
A B C CONSTRUCTION, INC.	JORGE GONZALEZ	7280 NW 8 St Miami, FL 33126	305-663-0322 305-267-2403	37	10/31/2003	CSBE LEVEL 1 233 Building, Developing, And General Contracting 23332 Commercial And Institutional Building Construction
A C & E PROPERTY MAINTENANCE, INC.	CHARLES WILLIAMS	6600 NW 27th Ave, #-211 Miami, FL 33147	305-693-1846 305-696-6961	42	05/31/2003	CSBE LEVEL 1 23521 Painting And Wall Covering Contractors
A C E CONSTRUCTION, INC.	IVER WILLIAMS	160 NW 176th St, #303 Miami, FL 33169	305-770-4457 305-651-4057	45	04/30/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
A G C ELECTRIC, INC.	TOMAS CURBELO	2660 W 79 St Hialeah, FL 33016-0000	305-823-2280 305-828-4515	7734	11/30/2003	CSBE LEVEL 2 23531 Electrical Contractors
A P A C GROUP, INC.	FAUSTIN DENIS JR.	20030 E Oakmont Dr Miami, FL 33015	305-829-5421 305-829-5422	60	04/30/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction 23491 Water, Sewer, And Pipeline Construction 23493 Industrial Nonbuilding Structure Construction 23593 Excavation Contractors 54133 Engineering Services
A PLUS ELECTRIC SERVICES, INC.	FRANTZ TELFORT	1730 Biscayne Blvd, #201-D Miami, FL 33132	305-379-4710 305-379-4712	65	07/31/2003	CSBE LEVEL 2 23531 Electrical Contractors 56162 Security Systems Services 92216 Fire Protection
A S E TELECOM & DATA, INC.	JUAN PEREZ	2330 NW 102 Ave, Bay-2 Miami, FL 33172-0000	305-471-9888 305-470-9666	7413	08/31/2003	CSBE LEVEL 2 2353 Electrical Contractors
A-1-A / JAY-RAY A/C AND APPLIANCE SERVICE, INC.	GRADY BLAYLOCK	10715 SW 190th St, #33 Miami, FL 33157-0000	305-253-0232 305-253-0243	7852	11/30/2003	CSBE LEVEL 1

NXT 5198

PSC 6861

DEPARTMENT OF BUSINESS DEVELOPMENT

Miami-Dade County Department of Business Development
Certified CSBE Firms as of
February 27, 2003

FIRM NAME	CONTACT	ADDRESS	PHONE FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
						2351 Plumbing, Heating, And Air-Conditioning Contractors
A. M. K. PAINTING & PAPERHANGING	MARLENE RAMOS	15981 SW 139 Ave Miami, FL 33177	305-251-0629 305-234-5104	85	04/30/2003	CSBE LEVEL 1 23521 Painting And Wall Covering Contractors
A. V. Gardner Painting & Paper Hanging	ALVIN GARDNER	320 NW 121 St Miami, FL 33168	305-688-8568 305-688-0658	187	02/28/2003	CSBE LEVEL 1 23521 Painting And Wall Covering Contractors 23542 Drywall, Plastering, Acoustical, And Insulation Contractors 23543 Tile, Marble, Terrazzo, And Mosaic Contractors 23551 Carpentry Contractors 23599 All Other Special Trade Contractors 337127 Institutional Furniture Manufacturing 337215 Showcase, Partition, Shelving, And Locker Manufacturing
				187	02/29/2004	CSBE LEVEL 1 23521 Painting And Wall Covering Contractors 23543 Drywall, Plastering, Acoustical, And Insulation Contractors 23551 Carpentry Contractors 23599 All Other Special Trade Contractors 337127 Institutional Furniture Manufacturing 337215 Showcase, Partition, Shelving, And Locker Manufacturing
A.C. ELECTRICAL CONTRACTORS, INC.	DAYIRA HERNANDEZ	520 SE 4 St Hialeah, FL 33010-0000	305-805-9276 305-805-9276	7975	12/31/2003	CSBE LEVEL 1 2353 Electrical Contractors
A.D.A ENGINEERING, INC.	IVETTE ARGUDIN	11401 SW 40 St, #470 Miami, FL 33165-3368	305-551-4608 305-551-8977	48	02/28/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction
				48	08/31/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction
AARYA CONSTRUCTION & DESIGN, INC.	SAM SAMI	7657 N W 50 Street Miami, FL 33166	305-592-2526 305-592-7887	33	09/30/2003	CSBE LEVEL 2 2354 Masonry, Drywall, Insulation, And Tile Contractors 2356 Roofing, Siding, And Sheet Metal Contractors 23332 Commercial And Institutional Building Construction
ABCO ELECTRIC, INC	ALBERTO BAGDADI	2150 NW 19 Ave	305-326-6757	6584	05/31/2003	CSBE LEVEL 2

NXT 5199

PSC 6862

DEPARTMENT OF BUSINESS DEVELOPMENT

Miami-Dade County Department of Business Development
Certified CSBE Firms as of
February 27, 2003

FIRM NAME	CONTACT	ADDRESS	PHONE / FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
		Miami, FL 33142-0000	305-326-6759			23531 Electrical Contractors
ABCON ELECTRIC, INC	REYNOLD BURGESS	5425 NW 177 Ter Miami, FL 33055	305-620-7273 305-623-2184	91	02/28/2003	CSBE LEVEL 1 2353 Electrical Contractors
				91	02/29/2004	CSBE LEVEL 1 2353 Electrical Contractors
ABLE ELECTRIC OF SOUTH FLORIDA, INC.	ABEL RAMIREZ	7005 N Waterway Dr, #304 Miami, FL 33155	305-266-6602 305-266-6616	93	07/31/2003	CSBE LEVEL 1 23531 Electrical Contractors
ABSOLUTE DEMOLITION, INC	TODD MELGAARD	17265 SW 83 Ct Miami, FL 33157-0000	305-969-3644 305-969-1320	94	11/30/2003	CSBE LEVEL 2 23594 Wrecking And Demolition Contractors
ACCURA ELECTRICAL CONTRACTORS	MANUEL BARRERA	8160 W 16th Ave Hialeah, FL 33014-0000	305-827-3827 305-819-1704	4436	09/30/2003	CSBE LEVEL 1 23531 Electrical Contractors
ACIER CONSTRUCTION, INC.	ANDRAE BOUIE	18120 SW 103rd Ave Miami, FL 33157	305-969-2344 305-969-1517	98	01/31/2004	CSBE LEVEL 1 2352 Painting And Wall Covering Contractors 2354 Masonry, Drywall, Insulation, And Tile Contractors 23332 Commercial And Institutional Building Construction 23561 Roofing, Siding, And Sheet Metal Contractors 23571 Concrete Contractors
ACME GROUP, INC., THE	OLUREMI ODEDIRAN	18425 NW 2nd Ave, #340 Miami, FL 33169	305-999-9001 305-999-9290	99	03/31/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction 23491 Water, Sewer, And Pipeline Construction 23492 Power And Communication Transmission Line Construction 23561 Roofing, Siding, And Sheet Metal Contractors 23581 Water Well Drilling Contractors 42172 Plumbing And Heating Equipment And Supplies (Hydronics) Wholesalers
ACTION CEILING CORP.	PEDRO LEZCANO	1570 W 56 Pl Hialeah, FL 33012-0000	305-823-8436 305-823-6790	102	01/31/2004	CSBE LEVEL 1 23542 Drywall, Plastering, Acoustical, And Insulation Contractors
ADATECH CORPORATION	JOSE VAZQUEZ	927 NW 134 Pl Miami, FL 33182-0000	305-485-0641 305-485-0641	7992	01/31/2004	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
ADVANCE ELECTRIC, INC.	JOSE RODRIGUEZ	13020 SW 128th St Miami, FL 33186	305-251-1018 305-251-2737	114	02/28/2003	CSBE LEVEL 1 23531 Electrical Contractors

NXT 5200

PSC 6863

DEPARTMENT OF BUSINESS DEVELOPMENT

Miami-Dade County Department of Business Development
Certified CSBE Firms as of
February 27, 2003

FIRM NAME	CONTACT	ADDRESS	PHONE FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
				114	02/29/2004	CSBE LEVEL 1 23531 Electrical Contractors
ADVENTURE ENVIRONMENTAL, INC.	CHRISTOPHER COLARUSSO	8845 SW 114 Ter Miami, FL 33176-0000	305-451-9500 305-453-4191	4106	01/31/2004	CSBE LEVEL 1 23593 Excavation Contractors
AFFORDABLE IRRIGATION, INC.	MARCO ROSAS	198 NW 139th St Miami, FL 33168	305-681-6322 305-681-6321	4339	09/30/2003	CSBE LEVEL 2 22131 Water Supply And Irrigation Systems
AIR & HEAT INSULATION, INC.	PEDRO A. GONZALEZ	1751 NW 38th Pl, 1006-A Hialeah, FL 33012	N/A N/A	132	04/30/2003	CSBE LEVEL 2 23542 Drywall, Plastering, Acoustical, And Insulation Contractors
AIRCON SHUTTERS, INC.	ARMANDO HIDALGO	17805 NW 79 Ct Hialeah, FL 33015	305-822-2804 305-822-2216	135	12/31/2003	CSBE LEVEL 1 23599 All Other Special Trade Contractors
AL HILL ENTERPRISE CORP.	TAMMY HILL	664 NW 118 St Miami, FL 33168	305-687-9963 305-687-9935	142	09/30/2003	CSBE LEVEL 2 15100 Building Services Piping 23511 Plumbing, Heating, And Air-Conditioning Contractors
ALBERT ELECTRICAL OF SOUTH FLORIDA CORP.	ALBERTO MURIAS JR.	2640 W 79 St Hialeah, FL 33016	305-824-5556 305-824-5559	146	05/31/2003	CSBE LEVEL 1 2353 Electrical Contractors
ALEX FIRE PROTECTION, INC.	FABRICIO VEGA	5801 SW 152 Ct Miami, FL 33193-0000	305-884-4098 305-884-4093	4233	08/31/2003	CSBE LEVEL 1 92216 Fire Protection
ALL AMERICAN PRESSURE CLEANING AND PAINTING, CO	VINCENT BORELAND	1730 Biscayne Blvd , 201-U Miami, FL 33132-0000	305-439-0025 954-438-8390	7836	12/31/2003	CSBE LEVEL 1 07100 Dampproofing And Waterproofing 23521 Painting And Wall Covering Contractors
ALL TECH ELECTRIC, INC	LLAUL LLANES	1793 W 37th St, B-#6 Hialeah, FL 33012	305-819-7861 305-556-4112	169	04/30/2003	CSBE LEVEL 1 23531 Electrical Contractors 56162 Security Systems Services 92216 Fire Protection
ALLIED CONTRACTORS INC.	ARMANDO CARCACHE	15476 N W 77th Court Miami, FL 33016	305-819-4599 305-825-4877	4249	08/31/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction
ALPHA ENGINEERS CORP.	ROLANDO SANTOS	7901 Coral Way Miami, FL 33155-0000	786-621-1417 786-621-1421	182	07/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction 23493 Industrial Nonbuilding Structure Construction
ALPINE SYSTEMS ASSOCIATES, INC	PETRA PETERS	7325 NW 8th St Miami, FL 33126	305-759-1878 305-754-8870	4317	09/30/2003	CSBE LEVEL 2 235 Special Trade Contractors 4214 Professional And Commercial Equipment And Supplies Wholesalers 14000 Conveying Systems 23595 Building Equipment And Other Machinery

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Certified CSBE Firms as of
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FIRM NAME	CONTACT	ADDRESS	PHONE / FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
						Installation Contractors 42149 Other Professional Equipment And Supplies Wholesalers 333922 Conveyor And Conveying Equipment Manufacturing
AMERADRAIN PLUMBING CORP.	ANDRES SIERRA	16310 NW 84 Ct Miami, FL 33016	305-826-7634 305-826-7603	192	04/30/2003	CSBE LEVEL 1 23511 Plumbing, Heating, And Air-Conditioning Contractors
AMERICAN CONTRACTING, INC.	JULIO CRUZ	9900 SW 40 St Miami, FL 33165-0000	305-759-7000 305-759-2277	198	08/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction 23511 Plumbing, Heating, And Air-Conditioning Contractors 23521 Painting And Wall Covering Contractors 23542 Drywall, Plastering, Acoustical, And Insulation Contractors 23561 Roofing, Siding, And Sheet Metal Contractors 23594 Wrecking And Demolition Contractors
AMERICAN ENVIRONMENTAL CONTRACTORS, INC.	JAQUELINE MENA	920 Stillwater Dr Miami Beach, FL 33141-0000	305-865-6952 305-867-5050	4819	11/30/2003	CSBE LEVEL 1 23594 Wrecking And Demolition Contractors 56291 Remediation Services
AMION ENTERPRISES INTERNATIONAL *	MIGUEL AMION, SR.	14295 SW 142 Street Miami, FL 33186	305-252-3967 305-378-0787	206	03/31/2003	CSBE LEVEL 3 23542 Drywall, Plastering, Acoustical, And Insulation Contractors
ANDERSON MINATEE'S CONCRETE SERVICES, INC.	ANDERSON MINATEES	1291 NW 53rd St Miami, FL 33142-0000	305-751-5789 N/A	7835	11/30/2003	CSBE LEVEL 1 2357 Concrete Contractors 23552 Floor Laying And Other Floor Contractors
ARFRAN I I, INC.	MARIA ASENCIO	2300 NW 94th Ave, #100 Miami, FL 33172	305-591-9675 305-592-5266	237	03/31/2003	CSBE LEVEL 2 23511 Plumbing, Heating, And Air-Conditioning Contractors 92216 Fire Protection
ARISEN CONSTRUCTION, INC.	ALEJANDRO KALAF	11041 NW 7th St, #102 Miami, FL 33172	305-554-6117 305-554-7753	4659	04/30/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction
AUGUST CONSTRUCTION COMPANY, INC.	IVANHOE HENNEY	7341 NW 32 Ave Miami, FL 33147	305-696-9380 305-696-9084	267	08/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction 23493 Industrial Nonbuilding Structure Construction 23599 All Other Special Trade Contractors
AVATAR, INC.	LEONARDO FULGUEIRA	7105 SW 8 St, 402 Miami, FL 33144-0000	305-263-9080 305-263-1265	271	04/30/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building

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FIRM NAME	CONTACT	ADDRESS	PHONE FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
						Construction
AVENTURA ENGINEERING & CONSTRUCTION CORP	CARY LOPEZ	266 NW 26 St Miami, FL 33127	305-571-9784 305-571-9786	272	01/31/2004	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction
AZTEC ROOFING CO.	ELEONORA POROBIC	12950 SW 189 St Miami, FL 33177	305-255-4004 305-253-6887	277	12/31/2003	CSBE LEVEL 1 02820 Fences And Gates 23561 Roofing, Siding, And Sheet Metal Contractors 23599 All Other Special Trade Contractors
B C L CONSTRUCTION, INC	MARIA LEON	7440 SW 50th Ter, # 102 Miami, FL 33155	305-667-5545 305-667-5572	287	08/31/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction
B M A CONSTRUCTION, INC.	ADEBAYO ABINA	1281 NW 202 St Miami, FL 33169	305-201-1127 305-654-9479	291	05/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
B-LINE CONSTRUCTION, INC	ROBERT BARRETO	10503 SW 119th St Miami, FL 33176-0000	305-253-8896 N/A	7553	09/30/2003	CSBE LEVEL 1 2352 Painting And Wall Covering Contractors 23332 Commercial And Institutional Building Construction 23542 Drywall, Plastering, Acoustical, And Insulation Contractors
BAY CONTRACTING FIRM INC.	MARIA SANTANA	1685 Westward Dr Miami Springs, FL 33166	305-885-2112 305-885-2150	4202	07/31/2003	CSBE LEVEL 1 07300 Shingles, Roof Tiles, And Roof Coverings 07400 Roofing And Siding Panels 07500 Membrane Roofing 23332 Commercial And Institutional Building Construction
BAZANJ CONSTRUCTION CORPORATION	BLANCA BAZAN	14325 SW 100th Ln Miami, FL 33180-0000	305-386-3314 N/A	7453	09/30/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
BEJAR CONSTRUCTION, INC	BENNY BEJAR	12420 SW 75 Ave Miami, FL 33156-0000	786-299-1072 305-253-4455	4358	09/30/2003	CSBE LEVEL 1 233 Building, Developing, And General Contracting 23322 Multifamily Housing Construction 23332 Commercial And Institutional Building Construction
BELL & SON FENCE COMPANY INC.	GARY BELL	6600 NW 27 Ave Miami, FL 33147	305-693-4680 305-693-4682	7815	11/30/2003	CSBE LEVEL 1 02820 Fences And Gates 23599 All Other Special Trade Contractors
BELLAMAR TILE & PAINT, INC.	CARLOS ALFONSO	6928 NW 72 Ave Miami, FL 33166-0000	305-863-3353 305-863-9317	3212	01/31/2004	CSBE LEVEL 2 23543 Tile, Marble, Terrazzo, And Mosaic

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FIRM NAME	CONTACT	ADDRESS	PHONE FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
						Contractors
BERLO INDUSTRY, INC	LEONARD WOOTEN	10391 SW 186 St Miami, FL 33157-0000	786-242-3409 786-242-3419	333	12/31/2003	CSBE LEVEL 1 235 Special Trade Contractors 23411 Highway And Street Construction 23521 Painting And Wall Covering Contractors
BEST BARGAIN CONSTRUCTION, INC.	BENJAMIN HOOKS	2398 NW 119 St Miami, FL 33167-0000	305-691-3036 305-836-0076	335	10/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
BEST FIRE SPRINKLER CORP.	BELINDA SMITH	840 NW 170th Ter Miami, FL 33169-0000	305-835-8400 305-835-8423	7639	10/31/2003	CSBE LEVEL 1 07800 Fire And Smoke Protection 10520 Fire Protection Specialties 15300 Fire Protection Piping 23511 Plumbing, Heating, And Air-Conditioning Contractors 92216 Fire Protection
BEST GARAGE DOORS, INC.	SANTIAGO SUAREZ	9780 NW 79th Ave Hialeah Gdns., FL 33016-0000	305-821-9710 305-362-8687	5843	02/28/2003	CSBE LEVEL 1 23599 All Other Special Trade Contractors
BEST PROPERTY SERVICES, INC.	ORLANDO MARTINEZ	3375 NW 37 St Miami, FL 33142-0000	305-633-3600 305-635-7272	342	08/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction 23521 Painting And Wall Covering Contractors 23561 Roofing, Siding, And Sheet Metal Contractors 23599 All Other Special Trade Contractors
				342	08/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction 23521 Painting And Wall Covering Contractors 23561 Roofing, Siding, And Sheet Metal Contractors 23592 Glass And Glazing Contractors 23599 All Other Special Trade Contractors
BUDGET CONSTRUCTION CO., INC.	ELLIS SANCHEZ	12450 NW So. River Dr Miami, FL 33178-0000	305-883-9878 305-883-9788	7173	08/31/2003	CSBE LEVEL 3 23332 Commercial And Institutional Building Construction 23491 Water, Sewer, And Pipeline Construction 23593 Excavation Contractors 23594 Wrecking And Demolition Contractors
BUILDTEC CONSTRUCTION GROUP, INC	MARIELA MARTIN-FERNANDE	1401 S W 107 Avenue, Miami, FL 33174	305-226-2890 305-226-7736	6504	05/31/2003	CSBE LEVEL 3 2357 Concrete Contractors

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FIRM NAME	CONTACT	ADDRESS	PHONE FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
						23332 Commercial And Institutional Building Construction
C & F DECORATING SERVICES	ERICO CORRIOLAN	554 NW 54 St Miami, FL 33127	305-757-4840 305-759-6654	409	03/31/2003	CSBE LEVEL 1 02820 Fences And Gates 23521 Painting And Wall Covering Contractors 23599 All Other Special Trade Contractors
C & H INTERNATIONAL, INC.	MARGARITA HERNANDEZ	5940 SW 46th Ter Miami, FL 33155	305-663-1875 305-663-0174	411	01/31/2004	CSBE LEVEL 1 2359 Other Special Trade Contractors
						23521 Painting And Wall Covering Contractors
C I M A ENGINEERING CORP.	JOSE GONZALEZ	7420 SW 33rd St Miami, FL 33155-0000	305-859-6000 305-264-2332	4888	11/30/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
C P H CORPORATION	CLAUDIO PALACIOS	17501 SW 122 Ave Miami, FL 33177-0000	305-254-1984 305-255-9735	6466	04/30/2003	CSBE LEVEL 1 23551 Carpentry Contractors
C W CONSTRUCTION, INC.	CHARLOTTE WILLIS	1000 NW 54 St Miami, FL 33127-0000	305-757-2913 305-759-4011	443	12/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
C L. ELIAS CONSTRUCTION, INC.	CHRISTI ELIAS	7150 SW 62 Ave, #107 Miami, FL 33143-0000	305-662-3837 305-661-5791	448	08/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction 23542 Drywall, Plastering, Acoustical, And Insulation Contractors 23551 Carpentry Contractors
C. TARAFA CONTRACTING, INC	CARLOS TARAFA	4207 SW 13 St Miami, FL 33134-0000	305-476-0018 305-443-1512	451	06/30/2003	CSBE LEVEL 3 15100 Building Services Piping 23332 Commercial And Institutional Building Construction 23511 Plumbing, Heating, And Air-Conditioning Contractors
CAMPAC CONSTRUCTION, INC.	FRANCISCO CAMBEYRO	2770 SW 115th Ave Miami, FL 33165-2129	305-551-7584 305-226-5835	458	03/31/2003	CSBE LEVEL 2 2354 Masonry, Drywall, Insulation, And Tile Contractors
						23542 Drywall, Plastering, Acoustical, And Insulation Contractors 23591 Structural Steel Erection Contractors
				458	03/31/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction
CAPER ELECTRIC & MAINTENANCE, INC.	MARIA CABALLERO-PEREZ	9711 SW 6th St Miami, FL 33174	305-229-9474 305-229-0023	460	06/30/2003	CSBE LEVEL 1 23531 Electrical Contractors 92216 Fire Protection

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FIRM NAME	CONTACT	ADDRESS	PHONE FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
CAPMEN CONSTRUCTION COMPANY, INC	JOSE CAPELLAN JR.	12210 SW 185th St Miami, FL 33177	954-427-6806 305-278-1796	464	03/31/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction
CARIBBEAN A/C & REFRIG. CONTRACTORS, INC	FRANKLIN SMITH	592 NW 120th St Miami, FL 33168	305-681-0754 305-681-9287	4707	03/31/2003	CSBE LEVEL 1 23511 Plumbing, Heating, And Air-Conditioning Contractors
				4707	03/31/2004	CSBE LEVEL 1 23511 Plumbing, Heating, And Air-Conditioning Contractors
CARIVON CONSTRUCTION CO.	IVONNE MUNNE	12171 SW 131 Ave Miami, FL 33186	305-232-9024 305-232-9028	478	05/31/2003	CSBE LEVEL 3 23332 Commercial And Institutional Building Construction
CARLOS GUILLEN PAINTING & GYPSUM DRYWALL INSTALLER	CARLOS GUILLEN	20165 SW 89th Ct Miami, FL 33189-0000	305-259-8109 305-259-8109	8056	01/31/2004	CSBE LEVEL 1 2352 Painting And Wall Covering Contractors 23542 Drywall, Plastering, Acoustical, And Insulation Contractors
CARTER PLUMBING CORP.	RUBEN CARTER	1500 NW 45 St Miami, FL 33142	305-652-2180 305-652-1388	496	05/31/2003	CSBE LEVEL 1 2351 Plumbing, Heating, And Air-Conditioning Contractors
CAZO CONSTRUCTION CORPORATION	ARMANDO CAZO	3461 SW 8th St Miami, FL 33135-4107	305-448-1898 305-448-4199	7452	09/30/2003	CSBE LEVEL 3 23332 Commercial And Institutional Building Construction
CENTRACOOL, INC.	NORBERT JAMES	1730 Biscayne Blvd , 201-P Miami, FL 33137-0000	954-894-3677 954-894-8340	7131	07/31/2003	CSBE LEVEL 1 2351 Plumbing, Heating, And Air-Conditioning Contractors 15700 Heating, Ventilating, And A/C Equipment
CHEROKEE ENTERPRISES, INC.	CHRISTINE FRANKLIN	7975 NW 154 St, # 310 Miami Lakes, FL 33016	305-828-3353 305-828-9317	4237	08/31/2003	CSBE LEVEL 2 1001 Environmental Eng-Stormwater Drainage Design Serv 1002 Environmental Engineering-Geology Services 1003 Environmental Engineering-Biology Services 1004 Environmental Engineering-Chemistry Services 1200 General Mechanical Engineering 1600 General Civil Engineering 1700 Engineering Construction Management
				4237	08/31/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction
CHI ALARMS, INC.	RENE CHI	15325 NW 60th Ave, #-101 Miami Lakes, FL 33014-2470	305-827-2856 305-825-2144	7113	07/31/2003	CSBE LEVEL 2 2353 Electrical Contractors

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CITY AIR, INC.	DANIEL CUESTA	8396 NW 70th St Miami, FL 33166	305-477-0400 305-591-2445	528	02/28/2003	CSBE LEVEL 1 15700 Heating, Ventilating, And A/C Equipment 23511 Plumbing, Heating, And Air-Conditioning Contractors
				528	02/29/2004	CSBE LEVEL 1 15700 Heating, Ventilating, And A/C Equipment 23511 Plumbing, Heating, And Air-Conditioning Contractors
CLEARVIEW ELECTRIC, INC	PATRICK JONES	1216 NW 72 Ave Miami, FL 33126-0000	305-759-9006 305-751-0441	537	06/30/2003	CSBE LEVEL 2 23531 Electrical Contractors 56162 Security Systems Services 92216 Fire Protection
CLINTON ENGINEERING, INC.	DONALD CLINTON	7810 NW 185 St Hialeah, FL 33015	305-823-1878 305-823-1878	540	04/30/2003	CSBE LEVEL 1 23411 Highway And Street Construction 23491 Water, Sewer, And Pipeline Construction 23571 Concrete Contractors
CODE PLUS SYSTEMS INC	MONICA BUCY	6765 SW 81st St Miami, FL 33143	305-662-2734 305-662-3718	4418	09/30/2003	CSBE LEVEL 1 07800 Fire And Smoke Protection 10520 Fire Protection Specialties 13850 Detection And Alarm 23531 Electrical Contractors 56162 Security Systems Services 92216 Fire Protection
COMFORT TECH AIR CONDITIONING, INC	MAYKEL HERNANDEZ	1215 W 76 St Hialeah, FL 33014	305-231-9832 305-826-9656	554	09/30/2003	CSBE LEVEL 2 15700 Heating, Ventilating, And A/C Equipment 23511 Plumbing, Heating, And Air-Conditioning Contractors
COMMERCIAL CONSTRUCTION SERVICES, INC	RAUL ZAYAS	600 Brickell Ave, #203a Miami, FL 33131	305-375-8081 305-358-6011	555	08/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
COMMERCIAL INTERIOR CONTRACTORS CORP.	ELOISE GONZALEZ	2500 NW 39 St Miami, FL 33142	305-636-3700 305-636-3737	557	09/30/2003	CSBE LEVEL 2 23521 Painting And Wall Covering Contractors 23542 Drywall, Plastering, Acoustical, And Insulation Contractors 23543 Tile, Marble, Terrazzo, And Mosaic Contractors 23599 All Other Special Trade Contractors 44221 Floor Covering Stores 54141 Interior Design Services
COMTECH ENGINEERING, INC	JOSE SIERRA	15964 SW 102 Ln Miami, FL 33196-0000	305-796-7423 305-387-8467	573	08/31/2003	CSBE LEVEL 1 54133 Engineering Services

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FIRM NAME	CONTACT	ADDRESS	PHONE FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
CONCEPTS BUILDING SYSTEMS, INC	RALPH SPURLOCK	10423 SW 120th St Miami, FL 33176	305-255-7363 305-233-7501	574	04/30/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
CONTRACTOR ADMINISTRATION SERVICES, INC.	ERIKA RIVERON	14450 SW 95th Ter Miami, FL 33186-0000	305-252-0613 305-382-7931	4826	11/30/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction
COOPER CONTRACTING, INC.	MARK COOPER	5800 SW 177th Ave, #106 Miami, FL 33193	305-383-1106 305-383-1162	608	10/31/2003	CSBE LEVEL 2 233 Building, Developing, And General Contracting 2213 Water, Sewage And Other Systems 22131 Water Supply And Irrigation Systems 23332 Commercial And Institutional Building Construction 23411 Highway And Street Construction 23491 Water, Sewer, And Pipeline Construction 23493 Industrial Nonbuilding Structure Construction 23499 All Other Heavy Construction 23531 Electrical Contractors 23593 Excavation Contractors
COOPERATIVE CONSTRUCTION CORPORATION	JOHN MUCHER	4655 SW 71st Ave Miami, FL 33155-0000	305-663-2141 305-663-2142	5784	02/28/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
CORAL GABLES GLASS & MIRROR CORPORATION	ANIBAL GARCIA	4820 SW 72 Ave Miami, FL 33155-0000	305-665-5900 305-665-3936	610	08/31/2003	CSBE LEVEL 1 23592 Glass And Glazing Contractors
CORELAND CONSTRUCTION CORP.	MONICA HERNANDEZ	12973 SW 112 St, #343 Miami, FL 33186-4768	305-233-1709 305-233-1809	613	08/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
CORENO, INC.	PAUL BOUTIN	410 NE 102nd St Miami, FL 33138	305-759-0290 305-759-1234	614	11/30/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction 23561 Roofing, Siding, And Sheet Metal Contractors
CREATIVE HOME BY DESIGN	WILLIAM RODRIGUEZ	2530 W 6 Ln Hialeah, FL 33010	305-885-5474 305-885-9717	626	03/31/2003	CSBE LEVEL 1 23599 All Other Special Trade Contractors 33721 Office Furniture (Including Fixtures) Manufacturing
CRITICAL PATH SERVICES, INC.	CRAIG SCHAFFER	P. O. Box 1086 Miami, FL 33137-0000	305-758-7466 305-758-7468	630	05/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
CROSS & CROSS CONSTRUCTION CORPORATION	CARLOS CRUZ	8951 SW 72 St, #-207 Miami, FL 33173-0000	305-595-7104 305-595-7104	5105	01/31/2004	CSBE LEVEL 1 233 Building, Developing, And General

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						Contracting
CUESTA CONSTRUCTION CORP.	MICHAEL CUESTA	1414 NW 107 Ave, 401 Miami, FL 33172-0000	305-270-3731 305-270-8885	5964	03/31/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction
CUTLER PAINTING	ABDIEL RAMIREZ	9167 SW 169th Ter Miami, FL 33157-0000	786-586-6824 305-234-5837	8053	01/31/2004	CSBE LEVEL 1 09900 Paints And Coatings 23521 Painting And Wall Covering Contractors
CUVEN CORP.	ILIAT LLAMOZAS	2820 SW 129 Ave Miami, FL 33175	305-553-0640 305-551-1349	642	05/31/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction
D C ELECTRIC, INC.	JULIE COFFEY	12478 SW 117th Ct Miami, FL 33186-0000	786-293-2299 786-293-2708	654	01/31/2004	CSBE LEVEL 1 23531 Electrical Contractors 56162 Security Systems Services 92216 Fire Protection
D C I CEILINGS, INC. (DE MARIA CEILINGS, INC.)	EVE DE MARIA	17440 SW 254th St Homestead, FL 33031	888-883-7719 888-883-7719	693	08/31/2003	CSBE LEVEL 1 23542 Drywall, Plastering, Acoustical, And Insulation Contractors
D K G & ASSOCIATES, LTD	KEITH GEORGE	1730 Biscayne Blvd, #201-L Miami, FL 33132-0000	954-433-0815 954-432-8971	6163	03/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction 23591 Structural Steel Erection Contractors
D. L. KIRBY, INC	DENFIELD KIRBY	643 NW 146 St Miami, FL 33168	305-687-6251 305-687-6252	668	03/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
DARC PAINTING, INC	DAVID ROBINSON	15840 Bunche Park School Dr Opa-Locka, FL 33054-2022	305-628-4039 305-628-4039	5863	02/28/2003	CSBE LEVEL 1 23521 Painting And Wall Covering Contractors
DARLEY CONSTRUCTION	DAVID DARLEY	8201 SW 176 St Miami, FL 33157-0000	305-254-0794 305-254-0794	7071	07/31/2003	CSBE LEVEL 1 2357 Concrete Contractors 23332 Commercial And Institutional Building Construction
DEEN CONSTRUCTION COMPANY	SURAJ ADEBISI	1515 NW 167 St, #210 Miami, FL 33169	305-626-8268 305-626-8909	698	08/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
DELTA ELECTRICAL SERVICE	JORGE MARTINEZ	4955 NW 199 St, #245 Opa Locka, FL 33055	305-623-5319 305-623-5319	706	03/31/2003	CSBE LEVEL 1 2353 Electrical Contractors
DEMOLITION MASTERS, INC	ADONAY ALEMEIDA	122 Madeira Ave Coral Gables, FL 33134-0000	N/A N/A	7137	07/31/2003	CSBE LEVEL 2 23594 Wrecking And Demolition Contractors
DESIGN - BUILD INTERAMERICAN, INC	MANUEL LEON	6307 Bird Rd Miami, FL 33155	305-740-0850 305-740-0158	713	03/31/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building

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						Construction
DEVELOPMENT & COMMUNICATION GROUP OF FL, INC.	CARLOS PETERSEN	P.O Box 160969 Miami, FL 33116-0000	305-596-0611 305-661-6428	6586	05/31/2003	CSBE LEVEL 1 23331 Manufacturing And Industrial Building Construction
DI OBRA CONSTRUCTION CORP.	RENSSO LOPEZ	9350 Fontainebleau Blvd, #C-612 Miami, FL 33172-0000	305-282-8389 305-551-5697	7892	11/30/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
DODEC, INC.	TREVOR PANTRY	3140 W 80th St, #-2 Hialeah, FL 33018-0000	305-826-4022 305-826-4075	746	05/31/2003	CSBE LEVEL 1 15100 Building Services Piping 15700 Heating, Ventilating, And A/C Equipment 23332 Commercial And Institutional Building Construction 23511 Plumbing, Heating, And Air-Conditioning Contractors
				746	05/31/2003	CSBE LEVEL 1 23591 Structural Steel Erection Contractors
DOLPHIN PAVING, INC.	JORGE PLASENCIA	1131 SW 73rd Ct Miami, FL 33144-0000	305-264-9304 305-266-6916	5904	03/31/2003	CSBE LEVEL 1 2357 Concrete Contractors 32412 Asphalt Paving, Roofing, And Saturated Materials Manufacturing
DOLPHIN TILE SETTING & PAINTING, INC	PABLO QUINTANA	2239 SW 75th Ave Miami, FL 33155-0000	305-496-7927 305-260-0504	747	05/31/2003	CSBE LEVEL 1 23521 Painting And Wall Covering Contractors 23543 Tile, Marble, Terrazzo, And Mosaic Contractors
DOME ENTERPRISES, INC.	GUSTAVO SCHNEIDER	13295 SW 124th St Miami, FL 33186-0000	305-235-8876 305-235-9413	748	04/30/2003	CSBE LEVEL 1 08000 Doors And Windows 08100 Metal Doors And Frames 23332 Commercial And Institutional Building Construction 23542 Drywall, Plastering, Acoustical, And Insulation Contractors 23551 Carpentry Contractors 23571 Concrete Contractors 23591 Structural Steel Erection Contractors 23594 Wrecking And Demolition Contractors
DOZIER & DOZIER CONSTRUCTION CORP.	WILLIAM DOZIER	3932 NW 167th St Miami, FL 33054	305-624-5274 305-625-1452	756	01/31/2004	CSBE LEVEL 3 23332 Commercial And Institutional Building Construction 23561 Roofing, Siding, And Sheet Metal Contractors
DR MARBLE, INC.	VICENTE CAMPILLO	9061 SW 156 Ct	305-558-3391	6824	06/30/2003	CSBE LEVEL 1

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		Miami, FL 33196-0000	305-558-9070			
						09300 Tile
						23543 Tile, Marble, Terrazzo, And Mosaic Contractors
E & M BUILDERS, INC.	EVELIO MANTILLA	30035 SW 143 Ct Leisure City, FL 33033-0000	305-242-1435 305-242-2902	8012	12/31/2003	CSBE LEVEL 1
						23332 Commercial And Institutional Building Construction
E - Z ELECTRICAL CONTRACTOR, INC.	ZAIDA FERNANDEZ	P.O. Box 654407 Miami, FL 33265-4407	305-221-3109 305-226-3773	772	08/31/2003	CSBE LEVEL 1
						2353 Electrical Contractors
E. D. F. M. CORP.	MIRIAM RODRIGUEZ	1022 NW 54 St Miami, FL 33127-0000	305-762-7407 305-762-7761	779	09/30/2003	CSBE LEVEL 1
						23332 Commercial And Institutional Building Construction
						23541 Masonry And Stone Contractors
						23542 Drywall, Plastering, Acoustical, And Insulation Contractors
						23551 Carpentry Contractors
E. L. C. I. CONSTRUCTION GROUP, INC.	FORTUNA BICHACHI	1075 N Shore Dr Miami, FL 33141-0000	305-868-3333 305-866-0912	5105	12/31/2003	CSBE LEVEL 1
						23332 Commercial And Institutional Building Construction
EAST COAST PAINTERS, INC.	JULIO LLAGUNO	6427 SW 82nd Ave Miami, FL 33166-0000	305-592-3298 305-592-0886	7353	08/31/2003	CSBE LEVEL 2
						2352 Painting And Wall Covering Contractors
ECHTECH WRECKING CORP.	THOMAS SCHWAB	99 NE 167th St, 102 N. Miami Beach, FL 33162	305-655-9662 305-655-9664	4419	09/30/2003	CSBE LEVEL 2
						23594 Wrecking And Demolition Contractors
ELOHIM ELECTRIC, INC	JOSE GONZALEZ, JR.	3800 NW 22 Ave Miami, FL 33142-0000	305-635-7999 305-635-7996	815	11/30/2003	CSBE LEVEL 2
						2353 Electrical Contractors
EMMAN ENTERPRISES, INC.	EMMANUEL OKPALA	2101 NW 141st St, #-8 Opa Locka, FL 33054	305-769-3445 305-769-9279	822	05/31/2003	CSBE LEVEL 1
						23521 Painting And Wall Covering Contractors
ENERGETIC ELECTRIC, INC	DONALD WILLIAMS	991 NW 143rd St, Miami, FL 33168	305-685-0052 305-685-7139	830	12/31/2003	CSBE LEVEL 1
						23531 Electrical Contractors
ENFORCER ROOFING CORP.	JHOAN HERNANDEZ	7242 NW 70 St Miami, FL 33166-0000	305-207-1995 305-207-1504	4484	09/30/2003	CSBE LEVEL 1
						2356 Roofing, Siding, And Sheet Metal Contractors
ENVIRONMENTAL REGULATORY COMP., INC.	MOHAMMAD ALMASI	5833 SW 50 Ter Miami, FL 33155	305-663-9530 305-663-1534	848	08/31/2003	CSBE LEVEL 1
						13280 Hazardous Material Remediation
						23493 Industrial Nonbuilding Structure Construction
ERTECH ENGINEERING SERVICES INC.	EDGAR ROA	14793 SW 81st St Miami, FL 33193-0000	305-382-8502 305-382-8612	8108	01/31/2004	CSBE LEVEL 1
						2353 Electrical Contractors
						16000 Electrical
ESSENTIAL ELECTRICAL SYSTEMS, INC.	ULISES GARCIA	13150 SW 18 Ter	305-551-6460	860	02/28/2003	CSBE LEVEL 1

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FIRM NAME	CONTACT	ADDRESS	PHONE FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
		Miami, FL 33175	305-551-9511			
						23531 Electrical Contractors
ESTUA CONSTRUCTION, INC.	YAMILA SIGLER	6850 Coral Way, #308 Miami, FL 33155-0000	305-740-7930 305-740-7953	8058	01/31/2004	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction 23541 Masonry And Stone Contractors 23571 Concrete Contractors
ETEK FIRE ALARMS	JAIME SANCHEZ	7750 W 24 Ave, #26 Hialeah, FL 33016-0000	786-251-5203 305-823-6568	7733	11/30/2003	CSBE LEVEL 1 07800 Fire And Smoke Protection 10520 Fire Protection Specialties 92216 Fire Protection
EVERETT PAINTING COMPANY, INC.	SHIRLEY EVERETT	2531 NW 79 St Miami, FL 33147	305-694-3100 305-694-1246	867	10/31/2003	CSBE LEVEL 2 23521 Painting And Wall Covering Contractors
F & F ALUMINUM & IRON MANUFACTURER, INC.	FERNANDO RUIZ	2290 NW 17 Ave Miami, FL 33142	305-635-3445 305-635-3135	883	05/31/2003	CSBE LEVEL 1 02820 Fences And Gates 23599 All Other Special Trade Contractors
F X P CORPORATION	FRANCISCO PEREZ	2987 SW 69th Ct Miami, FL 33155	305-267-7748 305-267-7798	891	07/31/2003	CSBE LEVEL 1 15700 Heating, Ventilating, And A/C Equipment 23511 Plumbing, Heating, And Air-Conditioning Contractors
F. L. P. ENTERPRISES, INC	YANICK PAULTRE	1370 NW 54 St Miami, FL 33142	305-754-9092 786-242-5087	892	09/30/2003	CSBE LEVEL 1 23531 Electrical Contractors
F M. GARRETT	FRANCES GARRETT	18045 NW 20th Ave Miami, FL 33056	305-621-7428 305-474-7844	893	02/28/2003	CSBE LEVEL 1 23521 Painting And Wall Covering Contractors
FEBLES, INC.	PEDRO FEBLES	11853 SW 34th St Miami, FL 33175	305-553-9745 305-553-9745	901	03/31/2003	CSBE LEVEL 1 23531 Electrical Contractors
FENCE CONNECTION, INC.	WAYNE LEAMON	P.O Box 160429 Miami, FL 33116	305-279-3005 305-279-2582	904	05/31/2003	CSBE LEVEL 2 02820 Fences And Gates 23599 All Other Special Trade Contractors
FERNANDEZ CABINET, INC	JOSE FERNANDEZ	257 W 23 St Hialeah, FL 33010	305-885-7233 305-885-4410	910	05/31/2003	CSBE LEVEL 1 23551 Carpentry Contractors
FLORIDA BUILDERS GROUP, INC.	PEDRO HERNANDEZ	13250 SW 128 St, #114 Miami, FL 33186	305-278-0098 305-238-9956	932	09/30/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction
FLORIDA CONSTRUCTION & ENGINEERING, INC.	HAMID DIAHANSHAHI	155 Bentley Dr Miami Springs, FL 33166	305-883-7601 305-883-1514	934	12/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
FLORIDA ELECTRICAL CONTRACTORS, INC.	ANTONIO GONZALEZ	14921 SW 104 St, #106 Miami, FL 33196	305-345-3969 786-242-8781	935	03/31/2003	CSBE LEVEL 1 23531 Electrical Contractors
FLORIDA LEMARK CORP	LINDA RODRIGUEZ	8181 NW 36 St Miami, FL 33166	305-593-1442 305-593-0998	942	06/30/2003	CSBE LEVEL 3 23332 Commercial And Institutional Building Construction

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FIRM NAME	CONTACT	ADDRESS	PHONE FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
FLORIDA ROOFING SOLUTIONS, INC.	EDWIN GAITAN	4980 E 10 Ct Hialeah, FL 33013-0000	305-687-9877 305-687-9876	949	01/31/2004	CSBE LEVEL 2 23561 Roofing, Siding, And Sheet Metal Contractors
FORNARIS, ANGEL	ANGEL FORNARIS	1726 SW 101 Ave Miami, FL 33165-0000	786-367-8381 305-551-5615	7214	07/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
FORTEX CONSTRUCTION, INC.	MARCELO ALI	8000 NW 31 St, #11 Miami, FL 33122-0000	305-599-1295 305-599-2034	7634	10/31/2003	CSBE LEVEL 1 2349 Other Heavy Construction 23542 Drywall, Plastering, Acoustical, And Insulation Contractors 23593 Excavation Contractors
FOSTER & SON ELECTRICAL CONTRACTORS, INC.	JORGE FOSTER	1818 NW 22 Ct Miami, FL 33125-0000	305-633-0756 305-633-0756	7972	12/31/2003	CSBE LEVEL 1 2353 Electrical Contractors
FOSTER CONSTRUCTION GROUP, INC.	CHRISTOPHER FOSTER	360 Greco Ave, #204 Coral Gables, FL 33146	305-441-0407 305-441-0413	965	09/30/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction
FOSTER CONSTRUCTION OF SOUTH FLORIDA, INC.	DEXTER FOSTER	400 NW 183 St Miami, FL 33169	305-249-2000 305-349-0000	4227	10/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
FOUNTAINHEAD GROUP INC	JOSE LUIS RIVAS	4565 Ponce De Leon Blvd, #201-A Coral Gables, FL 33176	305-667-7290 305-667-3356	966	01/31/2004	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
FRANKLIN'S FLOORING, INC.	ROZZIE FRANKLIN, III	5275 NW 36 Ave Miami, FL 33142	305-638-0014 305-638-0134	973	03/31/2003	CSBE LEVEL 1 23552 Floor Laying And Other Floor Contractors
G & B STRIPING, INC.	ORLANDO GONZALEZ	18223 SW 143rd Pl Miami, FL 33177	305-256-1792 305-256-1622	7116	07/31/2003	CSBE LEVEL 1 23521 Painting And Wall Covering Contractors
G & T ELECTRIC CO., INC.	GERALD MAJEWSKI	9550 NW 12th St, B-15 Miami, FL 33172-0000	305-592-0534 305-592-9462	7292	08/31/2003	CSBE LEVEL 1 2353 Electrical Contractors
G - T CONSTRUCTION GROUP, INC.	RAFAEL GARCIA - TOLEDO	2520 SW 22 St, #2-169 Miami, FL 33145	305-336-6636 305-667-6772	983	08/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
G C WORKS, INC	LANCE WAYNE	6538 Collins Ave, #251 Miami Beach, FL 33141-0000	305-861-2918 305-861-8289	6604	05/31/2003	CSBE LEVEL 1 233 Building, Developing, And General Contracting 2332 Residential Building Construction 23322 Multifamily Housing Construction 23331 Manufacturing And Industrial Building Construction 23332 Commercial And Institutional Building Construction

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G L C 3, INC.	CLIFT GOLDMAN	814 Ponce De Leon Blvd, #206 Coral Gables, FL 33134-0000	305-445-9495 305-774-0365	991	11/30/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction
G M H UTILITIES CORP.	GILBERTO HONDAREZ	3439 W 74th Pl Hialeah, FL 33018-0000	305-827-2568 305-827-2568	993	11/30/2003	CSBE LEVEL 1 23491 Water, Sewer, And Pipeline Construction
GALLO WINDOW CORPORATION	JAVIER GALLO	12540 SW 130th St, #3 Miami, FL 33196	305-259-5104 305-259-5105	1006	12/31/2003	CSBE LEVEL 1 23592 Glass And Glazing Contractors
GANCEDO TECHNOLOGIES, INC.	CARLOS GANCEDO	601 SW 57 Ave, #F Miami, FL 33144	305-265-1984 305-269-8283	1012	03/31/2003	CSBE LEVEL 1 23531 Electrical Contractors
GLASS TECH ENGINEERING, INC.	RAMON PEREZ	8469 NW 70 St Miami, FL 33166	305-594-4321 305-599-2730	1049	02/28/2003	CSBE LEVEL 3 23592 Glass And Glazing Contractors
				1049	02/29/2004	
GNEISS CORPORATION	HANSEL BENNETT	13271 SW 131 St, #134 Miami, FL 33186	305-969-4818 305-969-4819	1056	05/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
GOLDEN SANDS GENERAL CONTRACTORS INC.	MARY MAGUIRE	2500 NW 39 St Miami, FL 33142-5259	305-633-3336 305-634-8000	5203	01/31/2004	CSBE LEVEL 1 233 Building, Developing, And General Contracting 23331 Manufacturing And Industrial Building Construction
GOMEZ & SON FENCE *	CARIDAD GOMEZ	420 NW 120th Ave Miami, FL 33182	305-471-8922 305-471-8925	1062	02/28/2003	CSBE LEVEL 1 02820 Fences And Gates 23599 All Other Special Trade Contractors
GOMEZ QUALITY INSULATION, INC.	NESTOR GOMEZ	19401 NW 8 St Pembroke Pines, FL 33029-0000	305-477-5776 305-477-8865	1065	05/31/2003	CSBE LEVEL 1 2354 Masonry, Drywall, Insulation, And Tile Contractors
GRACE & NAEEM UDDIN, INC.	GRACIELA UDDIN	5532 NW 72nd Ave Miami, FL 33166	305-887-6227 305-887-6228	1071	11/30/2003	CSBE LEVEL 3 23332 Commercial And Institutional Building Construction
GRANDA - KLEIN ENTERPRISES, INC	MIRIAM GRANDA	12 SW 47th Ave Miami, FL 33134-0000	305-443-6880 786-552-0119	1073	11/30/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction 23542 Drywall, Plastering, Acoustical, And Insulation Contractors 54161 Management Consulting Services 541611 Administrative Management And General Management Consulting Services
GRAY CONSTRUCTION & ASSOCIATES, INC.	WILLIAM UGARTE	12222 SW 128th St Miami, FL 33186	305-971-8956 305-971-9566	1076 1076	06/30/2003 06/30/2003	CSBE LEVEL 3 23332 Commercial And Institutional Building Construction

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				1076	10/31/2003	CSBE LEVEL 3
						23332 Commercial And Institutional Building Construction
GRAY PLUMBING & MECHANICAL, INC.	CHESTER WEBB	2440 NW 183 St Miami, FL 33056	305-628-0806 305-628-3877	1077	02/28/2003	CSBE LEVEL 1
						2351 Plumbing, Heating, And Air-Conditioning Contractors
GREATER MIAMI AFFORDABLE PROPERTIES, INC.	ORALD STEWART	2972 NW 22 St Miami, FL 33142-0000	305-642-3638 305-637-4404	1078	06/30/2003	CSBE LEVEL 3
						14000 Conveying Systems
						23332 Commercial And Institutional Building Construction
						23595 Building Equipment And Other Machinery Installation Contractors
						333922 Conveyor And Conveying Equipment Manufacturing
GREEN LIFE IRRIGATION, INC	CHARLA CHICO	18690 SW 128 Ct Miami, FL 33177-3035	305-233-8101 305-233-8102	1080	03/31/2003	CSBE LEVEL 1
						2351 Plumbing, Heating, And Air-Conditioning Contractors
GROUP 11 OF MIAMI, INC.	CARLOS VALDERRAMA	8500 SW 8 St, 222 Miami, FL 33144	305-554-0507 305-266-9259	1086	09/30/2003	CSBE LEVEL 2
						2356 Roofing, Siding, And Sheet Metal Contractors
						2357 Concrete Contractors
						23521 Painting And Wall Covering Contractors
						23543 Tile, Marble, Terrazzo, And Mosaic Contractors
						23551 Carpentry Contractors
						23594 Wrecking And Demolition Contractors
H & D ELECTRIC, INC.	ARTHUR HALLGREN	8213 NW 30th Ter Miami, FL 33122-0000	305-406-2552 305-406-2278	1092	11/30/2003	CSBE LEVEL 3
						2353 Electrical Contractors
H. F. CONTRACTORS, INC.	HUMBERTO FLEITES	3663 SW 8th St, #207 Miami, FL 33135	305-446-3012 305-446-3029	1102	08/31/2003	CSBE LEVEL 1
						23332 Commercial And Institutional Building Construction
H. O. M. CONSTRUCTION CORP.	HUMBERTO ORTIZ	21251 SW 88 Pl Miami, FL 33189-0000	305-233-6324 305-971-4164	1105	09/30/2003	CSBE LEVEL 1
						23332 Commercial And Institutional Building Construction
HABER & SONS PLUMBING, INC.	JOSE HABER	5171 SW 5 Ter Miami, FL 33134-0000	305-461-8653 305-567-9976	4779	11/30/2003	CSBE LEVEL 1
						2351 Plumbing, Heating, And Air-Conditioning Contractors
HERZIG WOOD DESIGN, INC.	JOHN HERZIG	10896 SW 188th St Miami, FL 33157-0000	305-259-8090 305-259-5175	7675	10/31/2003	CSBE LEVEL 1
						2355 Carpentry And Floor Contractors

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						23551 Carpentry Contractors
HI - TECH CONCRETE, INC.	REYNALDO ROS	11335 SW 208 Dr Miami, FL 33189-0000	305-259-5552 305-259-5553	1138	01/31/2004	CSBE LEVEL 2 2357 Concrete Contractors
						23411 Highway And Street Construction
						54133 Engineering Services
HIGH TECH STRIPING, INC.	HECTOR CHILLON	940 NW 144th St Miami, FL 33168-0000	305-681-0053 305-681-2400	5188	01/31/2004	CSBE LEVEL 3 23521 Painting And Wall Covering Contractors
HILL CONSTRUCTION CORPORATION	WALTER HILL	7900 N W 27 Avenue # , 245 Miami, FL 33147	305-835-8510 305-836-8953	1143	08/31/2003	CSBE LEVEL 1 23331 Manufacturing And Industrial Building Construction 23542 Drywall, Plastering, Acoustical, And Insulation Contractors 23543 Tile, Marble, Terrazzo, And Mosaic Contractors 23594 Wrecking And Demolition Contractors
HILLARY JOHN THOMAS	HILLARY THOMAS	3815 NW 207th Ter Miami, FL 33055-0000	305-620-5062 305-620-5062	8034	12/31/2003	CSBE LEVEL 1 2355 Carpentry And Floor Contractors
HORIZON GLASS & MIRROR CORP.	RAQUEL SARAVIA	2256 W 78th St Hialeah, FL 33016	305-828 0232 305-828 8464	1159	06/30/2003	CSBE LEVEL 1 23592 Glass And Glazing Contractors
HOWARD SEAL COATING & LAND CLEARING, INC.	LEROY HOWARD	1000 NW 124 St Miami, FL 33168-0000	305-685 4781 305-685 4781	6264	04/30/2003	CSBE LEVEL 1 2359 Other Special Trade Contractors
						09900 Paints And Coatings
						23499 All Other Heavy Construction
						23521 Painting And Wall Covering Contractors
I C P FLOORING SERVICES, INC.	CARL GO	7305 NW 56 St Miami, FL 33166-0000	305-805 9480 305-805 9483	7632	10/31/2003	CSBE LEVEL 1 09600 Flooring 23552 Floor Laying And Other Floor Contractors 42122 Home Furnishing Wholesalers
I G W T CONSTRUCTION, INC	ROBERT TYLER	1351 NE Miami Gardens Dr, 1605e Miami, FL 33179-0000	305-354-7819 305-687-4498	4525	10/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction 23521 Painting And Wall Covering Contractors
IMPACT CONSTRUCTION COMPANY	NOEL WATSON	99 NW 183rd St, #137 N. Miami Beach, FL 33169-0000	305-999-9575 305-999-9166	1182	05/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
INCLAN PAINTING AND WATERPROOFING CORP.	LUIS INCLAN	12252 SW 128 St Miami, FL 33186	786-293-7428 786-293-7430	1187	01/31/2004	CSBE LEVEL 1 23521 Painting And Wall Covering Contractors
INFINITE CONSTRUCTION GROUP, INC	PIERRE ALMONOR	1400 NE Miami Gardens Dr,	305-940-8770	7533	09/30/2003	CSBE LEVEL 1

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		#205-B N. Miami Beach, FL 33179-0000	305-940-8771			23332 Commercial And Institutional Building Construction
J & E PLASTERING, INC.	JAMES JOHNSON	3621 NW 209 Ter Opa Locka, FL 33054-0000	305-629-2816 954-893-7730	1231	05/31/2003	CSBE LEVEL 1 23542 Drywall, Plastering, Acoustical, And Insulation Contractors
J & M PARKING LOT MAINTENANCE	JOSE GONZALEZ	665 E 51st St Hialeah, FL 33013	305-685-8992 305-685-2226	1234	05/31/2003	CSBE LEVEL 1 23521 Painting And Wall Covering Contractors
J & Q GARAGE & INDUSTRIAL DOORS, CORP.	JORGE QUINTANA	7301 NW 56th St Miami, FL 33166	305-888-0042 305-888-0027	1238	06/30/2003	CSBE LEVEL 1 08300 Specialty Doors 11500 Industrial And Process Equipment 23599 All Other Special Trade Contractors
J B & P PLUMBING, INC.	BENJAMIN ROBERT	554 NW 54 St Miami, FL 33127	305-757-7476 305-759-6654	1241	06/30/2003	CSBE LEVEL 1 23511 Plumbing, Heating, And Air-Conditioning Contractors
J C M DEVELOPMENT GROUP, INC.	JULIO MENA	8602 SW 74 St Miami, FL 33143-0000	305-595-3739 305-595-6811	1245	08/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
J E GAMAS CONSTRUCTION COMPANY	JOSE GAMAS	4241 Palm Ln Miami, FL 33137-3346	305-576-6840 305-576-0674	4241	08/31/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction
J M P TECHNOLOGY PAINTING	MEDARDO FLORES	16771 SW 92 Ct Miami, FL 33157	305-969-4419 786-573-2582	4270	08/31/2003	CSBE LEVEL 1 23521 Painting And Wall Covering Contractors
J P L PLUMBING SERVICES, INC.	JACK EDWARD KELLEY	3321 NW 177 Ter Opa-Locka, FL 33056	407-828-9431 407-207-2141	4243	08/31/2003	CSBE LEVEL 1 2311 Plumbing, Heating, And Air-Conditioning Contractors
J. P. PLUMBING, INC.	JOHN PIMENTEL	16700 SW 280 St Miami, FL 33031-0000	305-273-1635 305-275-8750	1252	10/31/2003	CSBE LEVEL 1 23511 Plumbing, Heating, And Air-Conditioning Contractors
J. R. M COMMUNICATIONS, INC.	JAY ELIAS	21204 Harbor Way, #U-127 Aventura, FL 33180	305-931-8532 305-933-1885	1273	01/31/2004	CSBE LEVEL 1 2353 Electrical Contractors
J.B FORBES PLUMBING & HEATING, INC.	JAMES FORBES	1742 NW 7th St Miami, FL 33125-0000	305-642-7325 305-642-7325	4983	12/31/2003	CSBE LEVEL 1 23511 Plumbing, Heating, And Air-Conditioning Contractors
JACARANDA AIR OF MIAMI, INC. *	BRENDA STUGGIS GORDON	6600 NW 27 Ave, #W101b Miami, FL 33147	305-696-6030 305-696-0306	1276	02/28/2003	CSBE LEVEL 1 15700 Heating, Ventilating, And A/C Equipment 23511 Plumbing, Heating, And Air-Conditioning Contractors
				1276	02/29/2004	CSBE LEVEL 1 15700 Heating, Ventilating, And A/C Equipment 23511 Plumbing, Heating, And Air-Conditioning Contractors

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JAMES P. MORAN, INC.	SUSAN MORAN	13288 SW 120 St Miami, FL 33186	305-232-4362 305-232-4512	1387	07/31/2003	CSBE LEVEL 2 2353 Electrical Contractors 23332 Commercial And Institutional Building Construction
JASPER ENTERPRISES, INC.	ERIC SWEET	1366 NW 54th St Miami, FL 33142	305-757-7001 305-759-9247	4278	02/28/2003	CSBE LEVEL 1 23521 Painting And Wall Covering Contractors
				4278	02/29/2004	CSBE LEVEL 1 23521 Painting And Wall Covering Contractors
JORRIN CONSTRUCTION MANAGEMENT COMPANY	GONZALO JORRIN	5905 SW 28th St Miami, FL 33155-0000	305-608-7880 305-667-5912	7736	11/30/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
K T CONSTRUCTION SERVICES	GEORGE HOUK	17205 SW 78 Ct Miami, FL 33157	305-345-0080 305-235-3844	1333	07/31/2003	CSBE LEVEL 1 23411 Highway And Street Construction 23491 Water, Sewer, And Pipeline Construction 23499 All Other Heavy Construction 23593 Excavation Contractors
K. L. MC CAUL CONSTRUCTION, INC.	KENNETH MC CAUL	7500 NW 25 St, #119 Miami, FL 33186-0000	305-639-9808 305-639-9847	6706	05/31/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction
KENDALL ELECTRIC INC.	RAMON BARDELAS	6705 SW 145th St Miami, FL 33158	305-238-7033 305-238-0788	1349	06/30/2003	CSBE LEVEL 2 23531 Electrical Contractors
KENDALL SPRINKLER SERVICE, INC.	DALE ORMES	17900 SW 216th St Miami, FL 33170	305-245-9322 305-245-8197	1350	12/31/2003	CSBE LEVEL 2 15100 Building Services Piping 23511 Plumbing, Heating, And Air-Conditioning Contractors
KEY BISCAYNE MECHANICAL, INC.	PAUL KLINE	12961 SW 85th Ave. Rd Miami, FL 33156	305-278-8833 305-254-5411	1358	04/30/2003	CSBE LEVEL 1 15000 Mechanical 15100 Building Services Piping 23511 Plumbing, Heating, And Air-Conditioning Contractors
KLEAN POWER ELECTRIC, INC.	GUILLERMO ALONSO	6625 S W 79 Street Miami, FL 33143	305-669-8154 305-663-0493	1368	09/30/2003	CSBE LEVEL 1 2353 Electrical Contractors
KRAMA CONSTRUCTION, INC.	SHELLAINE RAMKISHUN	13055 SW 262nd Ter Homestead, FL 33032	305-796-7672 305-258-5489	1372	10/31/2003	CSBE LEVEL 1 23551 Carpentry Contractors 23599 All Other Special Trade Contractors
L & H ELECTRIC, INC.	MICHAEL LOESCHE	8280 N W South River Medley, FL 33166	305-888-6514 305-888-6524	4251	08/31/2003	CSBE LEVEL 2 2353 Electrical Contractors
L A W CONSTRUCTION, INC.	LEAFORD WRAY	9507 SW 160 St, #230 Miami, FL 33157	305-254-9574 305-254-9582	1381	01/31/2004	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction

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DEPARTMENT OF BUSINESS DEVELOPMENT

Miami-Dade County D[illegible]nt of Business Development
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FIRM NAME	CONTACT	ADDRESS	PHONE FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
						23541 Masonry And Stone Contractors 23542 Drywall, Plastering, Acoustical, And Insulation Contractors 23551 Carpentry Contractors
L H P GROUP, INC.	FERDOSS LAGUNA	7737 NE 2nd Ave Miami, FL 33138	305-759-4141 305-759-5754	1383	11/30/2003	CSBE LEVEL 3 23332 Commercial And Institutional Building Construction
L M P CONSTRUCTION SERVICES, INC.	LAURA PEREZ	2401 NW 7 St Miami, FL 33125-0000	305-642-9494 305-642-0889	1390	04/30/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction 54135 Building Inspection Services
L N G ENGINEERING CONTRACTORS, INC.	LUCIUS CARTER	600 NW 184 Ter Miami, FL 33169	305-652-9550 305-652-2010	1392	12/31/2003	CSBE LEVEL 1 54133 Engineering Services
LANDEL CONSTRUCTION CORP.	DACIER VALDES	4108 Laguna St Coral Gables, FL 33146	305-446-4707 305-446-1556	1407	08/31/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction
LEADEX CORPORATION	FRANK FONSECA	4731 SW 75th Ave Miami, FL 33155	305-266-2028 305-264-5350	1439	02/28/2003	CSBE LEVEL 2 15700 Heating, Ventilating, And A/C Equipment 23332 Commercial And Institutional Building Construction 23511 Plumbing, Heating, And Air-Conditioning Contractors
LEMUS IRRIGATION, INC.	ARNO LEMUS	12910 SW 133 Ct, # D Miami, FL 33186-0000	305-969-9471 305-969-9474	5325	01/31/2004	CSBE LEVEL 1 2351 Plumbing, Heating, And Air-Conditioning Contractors
LEON'S ENGINEERING CORPORATION	OTMARA LEON	15124 SW 63rd St Miami, FL 33193	305-386-7250 305-408-0995	1449	07/31/2003	CSBE LEVEL 1 23491 Water, Sewer, And Pipeline Construction
LINK CONSTRUCTION GROUP, INC.	GUILLERMO FERNANDEZ	7344 SW 48th St, #202 Miami, FL 33155-0000	305-665-9826 305-665-9851	7392	08/31/2003	CSBE LEVEL 1 23331 Manufacturing And Industrial Building Construction 23332 Commercial And Institutional Building Construction
LISBON CONCRETE, INC.	MARIA MARTINS	29170 Old Dixie Hwy Homestead, FL 33033	305-248-4734 305-246-0058	1465	07/31/2003	CSBE LEVEL 1 23541 Masonry And Stone Contractors 23571 Concrete Contractors
LISMARC, INC	MARCOS HABER	16324 SW 63 Ter Miami, FL 33193-0000	305-752-2488 305-380-7213	4681	10/31/2003	CSBE LEVEL 1 2352 Painting And Wall Covering Contractors
M A G CONSTRUCTION, INC.	ARGELIO MALAGON	7812 SW 34 Ter Miami, FL 33155	305-263-9393 305-263-9369	1497	05/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
M A R S CONTRACTORS, INC.	BRENDA HILL-RIGGINS	ADDRESS NOT AVAILABLE	305-634-3360	1498	09/30/2003	CSBE LEVEL 3

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FIRM NAME	CONTACT	ADDRESS	PHONE / FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
			305-634-7767			15100 Building Services Piping 23332 Commercial And Institutional Building Construction 23511 Plumbing, Heating, And Air-Conditioning Contractors 23599 All Other Special Trade Contractors
M C O CONSTRUCTION & SERVICES, INC.	ANN MC NEILL	6600 NW 27 Ave, #208 Miami, FL 33147-7220	305-693-4344 305-693-4544	1503	06/30/2003	CSBE LEVEL 2 2532 Residential Building Construction 23552 Floor Laying And Other Floor Contractors
				1503	06/30/2003	CSBE LEVEL 2 2356 Roofing, Siding, And Sheet Metal Contractors
M E D ELECTRICAL CONTRACTORS, INC.	MIGUEL ELIAS	13800 SW 8 St, #268 Miami, FL 33184-0000	305-226-0095 305-226-0908	4433	09/30/2003	CSBE LEVEL 2 2353 Electrical Contractors
M E F CONSTRUCTION, INC.	MIGUEL OCANA	782 NW 42nd Ave, #-640 Miami, FL 33126	305-461-0603 305-461-0660	1508	09/30/2003	CSBE LEVEL 3 23332 Commercial And Institutional Building Construction 23411 Highway And Street Construction 23492 Power And Communication Transmission Line Construction
M J ENGINEERING CONTRACTORS, CORP.	JUAN MACHADO	4531 SW 98th Ave Miami, FL 33165-0000	305-222-8264 305-220-9014	7672	10/31/2003	CSBE LEVEL 1 23411 Highway And Street Construction 23571 Concrete Contractors 23593 Excavation Contractors 23599 All Other Special Trade Contractors
MAGESCO, INC.	MARC GAUTHIER	7010 NE 4 Ct Miami, FL 33138	305-758-2268 305-758-9020	1540	02/28/2003	CSBE LEVEL 1 23531 Electrical Contractors 561621 Security Systems Services (Except Locksmiths)
MAGIC COOL A / C & SERVICE, INC	REINALDO PORTELLA	9821 NW 80th Ave, Bay5I Hialeah Gardens, FL 33016	305-556-9620 305-556-5108	1542	04/30/2003	CSBE LEVEL 1 23511 Plumbing, Heating, And Air-Conditioning Contractors
MAGNA CONSTRUCTION, INC.	MITCHELL TOURINO	2216 W 80th St, Bay-#8 Hialeah, FL 33016-0000	305-819-1670 305-819-0153	5383	01/31/2004	CSBE LEVEL 1 23411 Highway And Street Construction 23593 Excavation Contractors
MAHOGANY ENGINEERING & CONSTRUCTION, INC.	EDWIN FLETCHER	3391 NW 151 Ter Opa Locka, FL 33054	305-953-0950 305-953-0951	1544	06/30/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction 23541 Masonry And Stone Contractors 23571 Concrete Contractors

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FIRM NAME	CONTACT	ADDRESS	PHONE FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
MALCOLM T. WRIGHT, INC.	MALCOLM WRIGHT	13825 Jackson St Miami, FL 33176	305-253-8850 305-232-1723	1550	03/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
				1550	03/31/2003	CSBE LEVEL 1 03300 Cast-In-Place Concrete 23541 Masonry And Stone Contractors
MARILU CONSTRUCTION, INC.	PEDRO MESA	40 NW 135 Ave Miami, FL 33182	305-226-3911 305-223-9757	1570	03/31/2003	CSBE LEVEL 1 23571 Concrete Contractors
MARIO'S ENTERPRISES	RITA FERNANDEZ	1692 W 38th Pl Hialeah, FL 33012	305-823-2634 305-825-1954	1575	06/30/2003	CSBE LEVEL 2 07100 Dampproofing And Waterproofing 23531 Electrical Contractors 23599 All Other Special Trade Contractors
MARVELOUS ELECTRIC, INC.	MARVIN TILLEY	21340 NE 8 Ct, U-2 Miami, FL 33179	305-652-8610 305-652-8622	1585	10/31/2003	CSBE LEVEL 1 2353 Electrical Contractors 16000 Electrical 56162 Security Systems Services
MAYNARD ELECTRIC, INC.	ELORY MAYNARD	18030 NW 16 Ave Miami, FL 33169	305-624-3456 305-624-2345	1601	08/31/2003	CSBE LEVEL 1 2353 Electrical Contractors
MC KINNON CONSTRUCTION COMPANY, INC.	DOUGLAS MC KINNON	6600 NW 27 Ave, #209 Miami, FL 33147-0000	305-696-3907 305-693-1171	1606	08/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
MEGA CONSTRUCTION TEAM, INC.	TIFFHANIE TUCKER	2759 NW 196th St Miami, FL 33056	305-621-2755 305-893-7046	1620	10/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
MELLO CONCRETE SERVICE, INC.	DIANE MELLO	13625 SW 78 Pl Miami, FL 33158	305-253-1747 305-253-6212	4714	01/31/2004	CSBE LEVEL 3 23571 Concrete Contractors
MERKURY COPORATION	RUBEN ALEN	9325 Park Dr, Ste. G Miami Shores, FL 33138	305-758-9888 305-758-0802	4346	09/30/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
METRO AIR SERVICES, INC	JOSE PERAL	P.O. Box 44-0744 Miami, FL 33144	305-261-1510 305-594-1132	1631	06/30/2003	CSBE LEVEL 1 23511 Plumbing, Heating, And Air-Conditioning Contractors
MIAMI - DADE ENGINEERING CONTRACTOR, INC.	JOSE FERNANDEZ	11830 SW 24 Ter Miami, FL 33175	305-992-7754 305-223-2150	1643	02/28/2003	CSBE LEVEL 1 23411 Highway And Street Construction 23491 Water, Sewer, And Pipeline Construction 23541 Masonry And Stone Contractors 23593 Excavation Contractors
MIAMI ASPHALT STRIPING MASTERS	AGUSTIN REY	10400 SW 186 Ln Miami, FL 33157-0000	305-254-7433 305-254-7321	5463	01/31/2004	CSBE LEVEL 1 23411 Highway And Street Construction
MIAMI BUSINESS TELEPHONES CORP.	NESTOR COLLANTES	4933 SW 74 Ct	305-669-6164	1646	08/31/2003	CSBE LEVEL 1

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FIRM NAME	CONTACT	ADDRESS	PHONE / FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
		Miami, FL 33155	305-669-5422			2353 Electrical Contractors
MIAMI CONSTRUCTION COMPANY INC	EDUARDO PAULA	1825 Ponce De Leon Blvd, #189 Coral Gables, FL 33134-0000	305-790-3889 305-448-2446	6424	04/30/2003	CSBE LEVEL I 233 Building, Developing, And General Contracting 23332 Commercial And Institutional Building Construction 23543 Tile, Marble, Terrazzo, And Mosaic Contractors 23551 Carpentry Contractors 23599 All Other Special Trade Contractors 541611 Administrative Management And General Management Consulting Services
MIAMI DESIGN BUILDERS, INC	ROCIO SOTO	8932 SW 40 St, #6-1 Miami, FL 33165-0000	305-859-2828 305-859-2247	4439	09/30/2003	CSBE LEVEL I 233 Building, Developing, And General Contracting 05100 Structural Metal Framing 23321 Single Family Housing Construction 23322 Multifamily Housing Construction 23591 Structural Steel Erection Contractors
MIAMI ELECTRIC, INC	RENE GOMEZ	2319 W 78 St Hialeah, FL 33016-0000	305-827-9555 305-827-9599	8102	01/31/2004	CSBE LEVEL I 23531 Electrical Contractors
MIAMI ENGINEERED GLASS CORP.	GILBERTO GONZALEZ	3213 NW 27th Ave Miami, FL 33142-0000	305-638-1566 305-635-0182	6485	04/30/2003	CSBE LEVEL I 08100 Metal Doors And Frames 23332 Commercial And Institutional Building Construction
MIAMI STRIPING, INC.	ROBERTO ROSELL	8167 NW 74 Ave Medley, FL 33166-0000	305-883-0030 305-883-6622	4481	09/30/2003	CSBE LEVEL I 235 Special Trade Contractors
MICHAEL REISS CONSTRUCTION, INC.	MICHAEL REISS	9497 S Dixie Hwy, #140 Miami, FL 33156-0000	305-234-7550 305-234-7450	4860	11/30/2003	CSBE LEVEL I 23332 Commercial And Institutional Building Construction
MIKE DESIGN MARBLE & TILE, INC.	MANUEL LOPEZ JR.	7930 W 26th Ave, Bay-7 Hialeah, FL 33018-0000	305-558-3391 305-558-9070	1665	06/30/2003	CSBE LEVEL I 23543 Tile, Marble, Terrazzo, And Mosaic Contractors 23552 Floor Laying And Other Floor Contractors
MILLENIUM	OMAR PEREZ	5927 SW 8th St Miami, FL 33144-0000	305-261-4010 305-267-1623	8059	01/31/2004	CSBE LEVEL I 2353 Electrical Contractors
MIZPAH ELECTRIC, INC	ALSTON DIAS	20049 NW 66 Pl Miami, FL 33015	305-621-9583 305-620-2701	1680	02/28/2003	CSBE LEVEL I 2353 Electrical Contractors

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FIRM NAME	CONTACT	ADDRESS	PHONE FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
MORAN CONSTRUCTION, INC.	JANETE MORAN	15221 SW 109th Avenue Miami, FL 33157	305-238-3242 305-252-7681	7134	07/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction 23542 Drywall, Plastering, Acoustical, And Insulation Contractors
MR CRICKET, INC.	CRAIG PORTER	16115 SW 117 Ave, #16 Miami, FL 33177-0000	305-251-2900 305-251-2900	7434	09/30/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
MULLENS SERVICES, INC.	HAKEEM MULINDWA	12286 SW 148th Ter Miami, FL 33186-0000	305-252-9225 305-252-2111	7692	10/31/2003	CSBE LEVEL 1 2352 Painting And Wall Covering Contractors
MURRAY ELECTRIC OF MIAMI, INC	JILL GLISSON	14369 SW 142 St Miami, FL 33186	305-235-8585 305-235-0518	1698	06/30/2003	CSBE LEVEL 2 2353 Electrical Contractors
MURRAY FENCE COMPANY	EDELMIRA MURRAY	1776 NW 23 Ter Miami, FL 33142	305-634-2757 305-638-4999	4520	12/31/2003	CSBE LEVEL 2 23599 All Other Special Trade Contractors
MURVEGA PAVING CO., INC.	MIREYA VEGA	2975 SW 129 Ave Miami, FL 33175	305-226-0827 305-375-8438	1700	01/31/2004	CSBE LEVEL 1 23411 Highway And Street Construction 23491 Water, Sewer, And Pipeline Construction 23593 Excavation Contractors
N SINHA CORPORATION	NIRANJAN SINHA	P.O. Box 5461 Hialeah, FL 33014	305-828-4890 305-828-9946	1714	12/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
NAMIN CONSTRUCTION, INC.	BRUCE NAMIN	1951 NW 141 St, Bay #9 Opa-Locka, FL 33054-0000	305-681-6989 305-681-4969	1715	01/31/2004	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
NUNEZ CONSTRUCTION, INC.	CARLOS NUNEZ	4108 Laguna St Coral Gables, FL 33146	305-774-9000 305-774-9639	1746	07/31/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction 23492 Power And Communication Transmission Line Construction 23542 Drywall, Plastering, Acoustical, And Insulation Contractors
O M ELECTRIC, INC.	MANUEL PAZ	281 W 27 St Hialeah, FL 33010	305-887-5811 305-887-5812	1754	09/30/2003	CSBE LEVEL 2 2353 Electrical Contractors
O. R. DEAN CONSTRUCTION, INC.	ORANGEN DEAN	4200 NW 7 Ave Miami, FL 33127-0000	305-758-1770 305-758-4790	1755	07/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction 23591 Structural Steel Erection Contractors
OCHA CONTRACTORS, INC.	LAZARO MARTINEZ	8028 NW 66th St Miami, FL 33166-0000	305-592-9771 305-592-9773	7211	07/31/2003	CSBE LEVEL 2 23331 Manufacturing And Industrial Building

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FIRM NAME	CONTACT	ADDRESS	PHONE FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
						Construction
						23332 Commercial And Institutional Building Construction
						23521 Painting And Wall Covering Contractors
						23542 Drywall, Plastering, Acoustical, And Insulation Contractors
						23551 Carpentry Contractors
						23594 Wrecking And Demolition Contractors
OFFICE FURNITURE BY TEMPO INC.	CARLOS PEREZ	4336 E 10 Ln Hialeah, FL 33013	305-685-3077 305-685-7119	1758	10/31/2003	CSBE LEVEL 1
						23551 Carpentry Contractors
OVERNIGHT SUCCESS CONSTRUCTION, INC	SAMUEL GILMORE, JR.	6600 NW 27 Ave, W103 Miami, FL 33147	305-696-6655 305-634-7055	1781	09/30/2003	CSBE LEVEL 2
						23332 Commercial And Institutional Building Construction
						23541 Masonry And Stone Contractors
						23542 Drywall, Plastering, Acoustical, And Insulation Contractors
						23571 Concrete Contractors
						23594 Wrecking And Demolition Contractors
P E N H E R CORPORATION	JESUS PENA	4444 SW 71 Ave, #102 Miami, FL 33155-0000	305-665-3553 305-665-7099	4485	09/30/2003	CSBE LEVEL 2
						2357 Concrete Contractors
						23332 Commercial And Institutional Building Construction
P G C MECHANICAL, INC.	BARBARA GOINS	12126 SW 132 Ct Miami, FL 33186	305-252-4140 305-252-4142	4320	08/31/2003	CSBE LEVEL 2
						15100 Building Services Piping
						23511 Plumbing, Heating, And Air-Conditioning Contractors
P R M ENGINEERING & CONTRACTORS	PAUL MARSENISON	7700 N Kendall Dr, #-711 Miami, FL 33156-0000	954-522-3631 954-522-4566	4823	11/30/2003	CSBE LEVEL 1
						233 Building, Developing, And General Contracting
						23593 Excavation Contractors
						23599 All Other Special Trade Contractors
PAINT - A - RAMA, INC	JON SCOTT	12300 NE 4 Ave, #410 Miami, FL 33168-0000	305-891-7009 305-981-7804	6864	06/30/2003	CSBE LEVEL 1
						23521 Painting And Wall Covering Contractors
PAN - AM AIR CONDITIONING	AIMEE LOPEZ	12916 SW 132 Ct Miami, FL 33186-0000	305-259-2008 305-259-7881	4703	10/31/2003	CSBE LEVEL 1
						2351 Plumbing, Heating, And Air-Conditioning Contractors
PARTNERS IN CONSTRUCTION, INC	RENE YACINTHE	9822 NE 2nd Ave, #8 Miami, FL 33138	305-754-5434 305-754-5436	1829	03/31/2003	CSBE LEVEL 1
						23332 Commercial And Institutional Building Construction
PATRIOT ELECTRIC, INC.	JORGE GONZALEZ	14014 SW 42 Ter	305-552-9277	1833	06/30/2003	CSBE LEVEL 1

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		Miami, FL 33175	305-552-7691			
						23531 Electrical Contractors
PAUL BARROW & SON ENGINEERING CONTRACTOR, INC	PAUL BARROW	1350 NW 4 St Homestead, FL 33030-0000	305-247-6755 305-246-2326	4883	12/31/2003	CSBE LEVEL 2 02600 Drainage And Containment 32412 Asphalt Paving, Roofing, And Saturated Materials Manufacturing
PEACE OF MIND CONSTRUCTION COMPANY, INC	RICK GANN SR.	12323 SW 132nd Ct Miami, FL 33186-0000	954-536-7428 954-385-8802	7138	07/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
PELEGE IRON CORPORATION	PEDRO LOPEZ	4647 E 10th Ln Hialeah, FL 33013-0000	305-681-9500 305-685-8722	7773	11/30/2003	CSBE LEVEL 1 02820 Fences And Gates 23599 All Other Special Trade Contractors
PENTAGON CONSTRUCTION INC.	REY VIQUEZ	10300 SW 72 St, #319 Miami, FL 33173-0000	305-596-4115 305-595-4826	4903	01/31/2004	CSBE LEVEL 3 233 Building, Developing, And General Contracting
PEOPLES PLUMBING, INC	GUSTAVO PINO	7320 NW 70 St, #B Miami, FL 33166	305-885-7473 305-883-7473	1846	09/30/2003	CSBE LEVEL 2 2351 Plumbing, Heating, And Air-Conditioning Contractors
PETRO HYDRO, INC.	ORLANDO GARCIA, JR.	10446 NW 31 Ter Miami, FL 33172-0000	305-477-0878 305-594-8982	1857	07/31/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction 54133 Engineering Services
PILAR SERVICES, INC.	WALTER ORMAZABAL	8191 NW 91st Ter, #-1 Medley, FL 33166	305-888-2421 305-888-2085	1864	05/31/2003	CSBE LEVEL 1 15700 Heating, Ventilating, And A/C Equipment 23511 Plumbing, Heating, And Air-Conditioning Contractors
PILOME ENGINEERING, INC.	DILAIDA PILOTO	8125 NW 74 Ave, # 6 Miami, FL 33166	305-883-7392 305-883-9385	1865	01/31/2003	CSBE LEVEL 2 23411 Highway And Street Construction 23491 Water, Sewer, And Pipeline Construction 23595 Excavation Contractors 23599 All Other Special Trade Contractors
PINTO ELECTRIC, INC.	SERGIO PINTO	4201 SW 72nd Ave Miami, FL 33155	305-665-0836 305-663-2618	1867	09/30/2003	CSBE LEVEL 1 23531 Electrical Contractors
PIOS & SONS ENTERPRISES, INC	HECTOR ORTIZ	320 Atlantic Ave Sunny Isles, FL 33160-0000	305-919-9662 305-919-9073	1868	01/31/2004	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction 23411 Highway And Street Construction 23499 All Other Heavy Construction 23571 Concrete Contractors
PLUMBERS ENTERPRISE CORP.	NEMECIO HERNANDEZ	2900 NW 33 Ave	305-633-9994	4247	09/30/2003	CSBE LEVEL 2

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		Miami, FL 33142	305-633-9623			15100 Building Services Piping 23511 Plumbing, Heating, And Air-Conditioning Contractors
PORTLAND SERVICES, INC.	ERNESTO LOPES	13250 SW 128th St, #111 Miami, FL 33186-0000	305-969-3136 305-969-2036	5143	12/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
POWER PRO	ALGANESH BERHANE	13155 NW 42nd Ave Opa Locka, FL 33054-0000	305-687-7080 305-687-9080	1885	01/31/2004	CSBE LEVEL 1 23531 Electrical Contractors
PRADERE MANUFACTURING CORP	ILEANA PRADERE	7655 W 20th Ave Hialeah, FL 33014-0000	305-823-0190 305-823-0192	6526	05/31/2003	CSBE LEVEL 2 06200 Finish Carpentry 23551 Carpentry Contractors
PRECISION DESIGN, INC.	MARTIN DIAZ-YABOR	12124 SW 131 Ave Miami, FL 33186-0000	305-256-9071 305-256-9073	6704	05/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction 23561 Roofing, Siding, And Sheet Metal Contractors
PRESIDENTIAL BUILDERS, INC	CHANDRA WHITEHOUSE	12259 SW 132 Ct Miami, FL 33186	305-252-9211 305-252-1164	1895	05/31/2003	CSBE LEVEL 1 2352 Painting And Wall Covering Contractors 2354 Masonry, Drywall, Insulation, And Tile Contractors 23332 Commercial And Institutional Building Construction 23543 Tile, Marble, Terrazzo, And Mosaic Contractors 23552 Floor Laying And Other Floor Contractors 23561 Roofing, Siding, And Sheet Metal Contractors 23594 Wrecking And Demolition Contractors
PRIME ELECTRICAL CONTRACTORS, INC.	STANLEY JONES	1609 NW 79th St Miami, FL 33147	305-693-6800 305-693-1963	1903	05/31/2003	CSBE LEVEL 1 23531 Electrical Contractors
QUALITY CONSTRUCTION TECHNOLOGIES, CORP.	MARCELO CARVALHO	1000 West Avenue , # 827 Miami, FL 33139	305-532-7799 305-534-9859	1933	06/30/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
QUALITY WIRING, INC.	DENNIS DANDRINOS	10300 Sunset Dr, #414 Miami, FL 33173	305-595-5691 305-595-0558	1937	12/31/2003	CSBE LEVEL 1 23531 Electrical Contractors 561621 Security Systems Services (Except Locksmiths)
QUEEN CONTRACT INTERIORS, INC.	MAGALY SOTO	920 W 84th St Hialeah, FL 33014-0000	305-557-4342 305-558-2088	6364	04/30/2003	CSBE LEVEL 3 09600 Flooring 44221 Floor Covering Stores
				6364	04/30/2003	CSBE LEVEL 3

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FIRM NAME	CONTACT	ADDRESS	PHONE FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
						23552 Floor Laying And Other Floor Contractors
R & G ENGINEERING, INC	RAMON GARCIA	6703 SW 25 St Miami, FL 33155-0000	305-669-3977 305-740-5658	5545	02/28/2003	CSBE LEVEL 1 23571 Concrete Contractors 23593 Excavation Contractors
				5545	02/29/2004	CSBE LEVEL 1 23571 Concrete Contractors 23593 Excavation Contractors
R A S CONSTRUCTION & DEVELOPMENT	RAUL SCHWERDT	4141 N Miami Ave, #202 Miami, FL 33127	305-572-9939 305-675-2935	4266	08/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
R H DESIGN & ASSOCIATES, INC	RAFAEL HUGUET JR.	4900 SW 74th Ct Miami, FL 33155-0000	305-668-6688 305-668-6699	5743	02/28/2003	CSBE LEVEL 1 233 Building, Developing, And General Contracting
				5743	02/29/2004	CSBE LEVEL 1 233 Building, Developing, And General Contracting
R J R CONSTRUCTION, INC.	RICARDO RODRIGUEZ	7025 SW 19 Ter Miami, FL 33155-0000	305-219-4572 305-267-1899	1956	08/31/2003	CSBE LEVEL 2 2359 Other Special Trade Contractors 23331 Manufacturing And Industrial Building Construction 23332 Commercial And Institutional Building Construction 23411 Highway And Street Construction 23491 Water, Sewer, And Pipeline Construction 23492 Power And Communication Transmission Line Construction 23493 Industrial Nonbuilding Structure Construction 23571 Concrete Contractors 23591 Structural Steel Erection Contractors 23593 Excavation Contractors
R. B. S. ENTERPRISES, INC	SHELLEY SHULTZ	7521 NW 77 Ter Medley, FL 33166-0000	305-888-8664 305-885-0680	1964	12/31/2003	CSBE LEVEL 1 05050 Basic Metal Materials And Methods 23592 Glass And Glazing Contractors 23599 All Other Special Trade Contractors
R. D. SOUZA, INC.	RONI DE SOUZA	18277 NE 4 Ct North Miami Beach, FL 33162-3013	305-756-1242 305-756-6674	6184	04/30/2003	CSBE LEVEL 2 23542 Drywall, Plastering, Acoustical, And Insulation Contractors
R. L. SAUM CONSTRUCTION CO.	ROBERT SAUM	10737 SW 104 St Miami, FL 33176	305-595-3039 305-598-7098	1970	10/31/2003	CSBE LEVEL 3 23332 Commercial And Institutional Building

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DEPARTMENT OF BUSINESS DEVELOPMENT

Miami-Dade County D[illegible]ent of Business Development
Certified [illegible]BE Firms as of
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FIRM NAME	CONTACT	ADDRESS	PHONE FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
R. TARAFA GENERAL CONTRACTOR, INC.	RENE TARAFA	8840 SW 51 St Miami, FL 33165	305-661-1148 305-412-9246	1972	10/31/2003	CSBE LEVEL 1 Construction 235 Special Trade Contractors 02000 Site Construction 2352 Painting And Wall Covering Contractors 2357 Concrete Contractors 03300 Cast-In-Place Concrete 23332 Commercial And Institutional Building Construction 23411 Highway And Street Construction 23542 Drywall, Plastering, Acoustical, And Insulation Contractors 23543 Tile, Marble, Terrazzo, And Mosaic Contractors 23561 Roofing, Siding, And Sheet Metal Contractors 23594 Wrecking And Demolition Contractors 54133 Engineering Services
RAINBOW ENTERPRISES, INC.	MICHAEL ADAMS	1271 Burlington St Opa-Locka, FL 33054	305-688-9288 305-688-9022	1979	11/30/2003	CSBE LEVEL 1 23411 Highway And Street Construction 23499 All Other Heavy Construction
RANDAZZO ELECTRICAL SERVICES, INC.	ANTHONY RANDAZZO	2237 W 77th St Hialeah, FL 33016	305-556-3001 305-556-9398	1985	05/31/2003	CSBE LEVEL 2 23531 Electrical Contractors
RAPID A. C., INC	DOLLY HERNANDEZ	2200 W 80 St, #4 Hialeah, FL 33016-0000	305-822-3360 305-821-7228	4943	12/31/2003	CSBE LEVEL 2 15000 Mechanical 15100 Building Services Piping 23511 Plumbing, Heating, And Air-Conditioning Contractors
RASHIDS ENTERPRISES UNLIMITED, INC.	KURATIBISHA X ALI RASHID	266 NW 26 St Miami, FL 33127	305-534-9000 305-576-8800	1987	08/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction 23521 Painting And Wall Covering Contractors 23561 Roofing, Siding, And Sheet Metal Contractors
RAY'S ELECTRICAL SUPPLY, INC.	VALTY RAYMORE	2023 Opa - Locka Blvd Miami, FL 33054	305-688-7133 305-687-2235	1992	08/31/2003	CSBE LEVEL 2 2153 Electrical Contractors
RAYDAN ELECTRIC, INC.	RAMON REYES	4100 SW 94 Ave Miami, FL 33165-0000	305-345-5343 305-207-6161	6487	04/30/2003	CSBE LEVEL 1 23531 Electrical Contractors
REGOSA ENGINEERING, INC.	DRAGUISA GOMERO	46 NW 36 St	305-576-7450	2003	03/31/2003	CSBE LEVEL 3

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FIRM NAME	CONTACT	ADDRESS	PHONE / FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
		Miami, FL 33127	305-576-7096			
						23332 Commercial And Institutional Building Construction
RELIABLE SPRINKLERS, INC.	ROBERT PUSHKIN	19741 NE 24 Ave Miami, FL 33180	305-931-4997 305-932-6333	2006	05/31/2003	CSBE LEVEL 1
						23511 Plumbing, Heating, And Air-Conditioning Contractors
RENAISSANCE BUILDERS & CONSTRUCTORS, INC.	BUDDY RODGERS	1301 W 68th St, #E-5 Hialeah, FL 33014	305-823-7990 305-823-7899	2011	11/30/2003	CSBE LEVEL 2
						23332 Commercial And Institutional Building Construction
REPOR BROTHERS, INC.	MICHAEL ROPER	1999 NE 150th St, 103 Miami, FL 33181-0000	305-940-5300 305-940-6029	2013	08/31/2003	CSBE LEVEL 1
						23499 All Other Heavy Construction
RIGHT WAY PAINTING , INC.	HERNAN REY	1040 NW 134th Ave Miami, FL 33182	305-228-7481 305-553-0325	2028	12/31/2003	CSBE LEVEL 2
						2352 Painting And Wall Covering Contractors
						09900 Paints And Coatings
ROBERT L. FENTON CONSTRUCTION	ROBERT FENTON	275 Fontainebleau Blvd, #170 Miami, FL 33172	305-223-8803 305-223-1322	2036	12/31/2003	CSBE LEVEL 2
						23332 Commercial And Institutional Building Construction
ROBERTO E POZO	ROBERTO POZO	19991 SW 180th St Miami, FL 33187	305-253-0380 305-253-0380	2037	11/30/2003	CSBE LEVEL 1
						2332 Residential Building Construction
						23332 Commercial And Institutional Building Construction
ROBERTS TRAFFIC CORPORATION	LINDA LEVINE	21000 Highland Lakes Blvd Miami, FL 33179	305-935-2922 954-929-3936	2040	04/30/2003	CSBE LEVEL 2
						23521 Painting And Wall Covering Contractors
						327991 Cut Stone And Stone Product Manufacturing
ROMARY EQUIPMENT, INC.	MARIBEL GUTIERREZ	15600 SW 63 Ter Miami, FL 33193	305-385-9950 305-382-3697	2062	08/31/2003	CSBE LEVEL 1
						02200 Site Preparation
						23499 All Other Heavy Construction
RONALD M. GIBBONS	RONALD GIBBONS	1301 NW 198th St Miami, FL 33169	305-652-5845 305-652-9304	2065	11/30/2003	CSBE LEVEL 1
						02820 Fences And Gates
						23599 All Other Special Trade Contractors
RONLEE CONSTRUCTION, INC	MICHAEL MILLS	4950 NW 72 Ave Miami, FL 33166	305-592-5860 305-594-9194	2066	04/30/2003	CSBE LEVEL 1
						23411 Highway And Street Construction
						23412 Bridge And Tunnel Construction
						23491 Water, Sewer, And Pipeline Construction
						23492 Power And Communication Transmission Line Construction
						23499 All Other Heavy Construction
						23593 Excavation Contractors
ROYAL COOL AIR CONDITIONING, INC.	LAZARO GONZALEZ	7404 NW 8 St Miami, FL 33126-0000	305-262-0909 305-262-0811	7012	06/30/2003	CSBE LEVEL 1
						23511 Plumbing, Heating, And Air-Conditioning Contractors

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FIRM NAME	CONTACT	ADDRESS	PHONE FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
S & S CONTRACTING, INC	JERRY SMITH	6600 NW 27 Ave, #W-109 Miami, FL 33147-0000	786-318-0028 786-318-0960	2082	03/31/2003	CSBE LEVEL 2 23411 Highway And Street Construction 23491 Water, Sewer, And Pipeline Construction 23571 Concrete Contractors
S A CONSULTANTS, L L C	FARAH SALEHI	7625 SW 160 Ter Miami, FL 33157-0000	305-232-6733 305-232-1534	2081	08/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction 23592 Glass And Glazing Contractors
S I PLUMBING, INC	HILDA SUAREZ-DO NOT CALL	8400 SW 46 St Miami, FL 33155-0000	305-552-8802 305-552-1464	2090	03/31/2003	CSBE LEVEL 1 2351 Plumbing, Heating, And Air-Conditioning Contractors 15100 Building Services Piping
S O S ELECTRICAL CONTRACTORS, INC.	VIVIAN SOSA	3452 SW 113th Ct Miami, FL 33165-0000	305-226-8400 305-226-0040	4581	10/31/2003	CSBE LEVEL 1 23531 Electrical Contractors
S P E C, INC	PEDRO GLARIA	13945 SW 157th St Miami, FL 33177	305-254-1804 305-254-6090	2094	07/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
S.E.R.L.L. ELECTRIC, INC.	ROBERT ANDREWS	12316 SW 117 Ct Miami, FL 33186-0000	305-251-6172 305-251-9983	4759	11/30/2003	CSBE LEVEL 1 2353 Electrical Contractors
SAL'S ABATEMENT CORPORATION	MARIA ELENA DELLUTRI	301 NW 36 St Miami, FL 33127	305-576-8866 305-576-9966	6344	04/30/2003	CSBE LEVEL 2 56291 Remediation Services
SANCHEZ ARANGO CONSTRUCTION CO.	ROUGET SANCHEZ	P. O. Box 770810 Miami, FL 33177	305-229-8300 305-238-4689	2109	06/30/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
SAPPHIRE SPRINKLERS INC.	ROBERT MIRAGLIOTTA	12720 NW 11th St Miami, FL 33182-0000	305-444-4777 305-551-2017	4830	11/30/2003	CSBE LEVEL 1 22131 Water Supply And Irrigation Systems
SEFORD INDUSTRIES, INC	SANFORD FLOYD	3890 NW 132 St, Bay-1 Opa Locka, FL 33054-4537	305-681-1962 305-681-5847	2133	04/30/2003	CSBE LEVEL 1 23511 Plumbing, Heating, And Air-Conditioning Contractors
SEWELL PROFESSIONAL PAINTING & CLEANING SVCS , INC	HAROLD SEWELL	1730 Biscayne Blvd, #201-G Miami, FL 33132-0000	305-625-7403 305-625-7417	2145	09/30/2003	CSBE LEVEL 1 23521 Painting And Wall Covering Contractors 23599 All Other Special Trade Contractors
SHASA ENGINEERING CORP.	ISRAEL CORBO	13965 SW 10 St Miami, FL 33184	305-221-3306 305-441-8126	2149	03/31/2003	CSBE LEVEL 1 23411 Highway And Street Construction 23571 Concrete Contractors
SHOCK FREE ELECTRIC, INC.	JOSEPH LATTIBEAUDEIR	15928 NW 48 Ave Miami, FL 33014	305-620-0933 305-620-5898	2152	03/31/2003	CSBE LEVEL 1 2353 Electrical Contractors
SOLARES ELECTRICAL SERVICES	ANDRES SOLARES	2931 SW 124th Ct Miami, FL 33175	305-717-6184 305-715-7047	2173	03/31/2003	CSBE LEVEL 1 23531 Electrical Contractors
SOLO AIR CONDITIONING & HEATING CO.,	EMILIO SOLO	8451 NW 61st St	305-591-9840	2175	02/28/2003	CSBE LEVEL 2

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FIRM NAME	CONTACT	ADDRESS	PHONE FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
INC		Miami, FL 33166	305-591-7608			23511 Plumbing, Heating, And Air-Conditioning Contractors
				2175	02/29/2004	CSBE LEVEL 2 23511 Plumbing, Heating, And Air-Conditioning Contractors
SONNY COMMUNITY DEV. CORP CIVIL, ENGINEERS & CONT.	SUNDAY ENOGIERU	160 NW 176 St, #302-1 Miami, FL 33169	786-285-9584 954-438-5572	2177	10/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
SOUTH FLORIDA PROPERTY DEVELOPERS	ROBERT SCOTT	P.O. Box 700213 Miami, FL 33170-0213	305-255-9446 305-232-9597	2188	08/31/2003	CSBE LEVEL 2 23411 Highway And Street Construction 23491 Water, Sewer, And Pipeline Construction 23493 Industrial Nonbuilding Structure Construction 23571 Concrete Contractors 23593 Excavation Contractors
SOUTHDADE INT. CONTRACTORS CORP.	AGUSTIN PEREZ	8901 SW 129th St Miami, FL 33176	305-256-4420 305-256-9066	2191	10/31/2003	CSBE LEVEL 2 23542 Drywall, Plastering, Acoustical, And Insulation Contractors
SPRINGS ROOFING CORP.	CARLOS GUEITS	4471 NW 36 St, #256 Miami Springs, FL 33166-0000	305-889-3293 305-889-3269	4685	10/31/2003	CSBE LEVEL 2 2356 Roofing, Siding, And Sheet Metal Contractors
STAR PAVING, CORP	ANGEL IZQUIERDO	4660 SW 153rd Pl Miami, FL 33185-0000	305-226-9193 305-551-2038	2221	12/31/2003	CSBE LEVEL 2 23411 Highway And Street Construction
STATEWIDE ELECTRICAL SERVICES, INC.	NOEL MELO	7588 W 33 Ln Hialeah, FL 33018	305-592-6965 305-823-1817	2224	02/28/2003	CSBE LEVEL 1 23531 Electrical Contractors
STUCCO PLUS, INC	TRACY JOHNSON	3621 NW 209 Ter Miami, FL 33056-0000	305-620-2816 954-892-7730	2234	08/31/2003	CSBE LEVEL 1 23542 Drywall, Plastering, Acoustical, And Insulation Contractors
SUMMIT MECHANICAL SYSTEMS INC	JOSE PEREZ	3000 NW 79 St Miami, FL 33147-0000	305-835-2802 305-835-2804	7698	10/31/2003	CSBE LEVEL 1 2351 Plumbing, Heating, And Air-Conditioning Contractors
SUNSHINE ROOFING & SHEET METAL CORP.	ANTONIO RODRIGUEZ	4421 SW 75th Ave Miami, FL 33155-0000	305-261-4399 305-261-3909	7652	10/31/2003	CSBE LEVEL 1 23561 Roofing, Siding, And Sheet Metal Contractors
SUNSHINE STATE AIR CONDITIONING, INC	MAURICIO CORREA	15939 NW 48th Ave Miami, FL 33014	305-474-8484 305-474-7370	2245	02/28/2003	CSBE LEVEL 1 2351 Plumbing, Heating, And Air-Conditioning Contractors
				2245	02/29/2004	CSBE LEVEL 1 2351 Plumbing, Heating, And Air-Conditioning Contractors

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FIRM NAME	CONTACT	ADDRESS	PHONE FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
SUPREME CEILING & INTERIOR, INC.	HERBERT WILLIAMSON	285 NE 185 St, Bay-22 Miami, FL 33179-0000	305-653-7033 305-653-9112	2252	03/31/2003	CSBE LEVEL 1 23542 Drywall, Plastering, Acoustical, And Insulation Contractors
SURE ELECTRICAL CONTRACTORS, INC.	ROBERTO DOMINGUEZ	18505 SW 104th Ave, #14 Miami, FL 33157	305-971-0570 305-971-5978	2254	08/31/2003	CSBE LEVEL 1 23531 Electrical Contractors
SYNETHEC ELECTRICAL NETWORK, INC.	ADEKUNLE OGUNDEJI	6600 NW 27 Ave, #9-A Miami, FL 33147	305-694-1136 305-694-0626	2261	11/30/2003	CSBE LEVEL 1 2353 Electrical Contractors
SYSTEMS INTEGRATION & MAINTENANCE, INC.	MICHAEL COLLIER	5523 NW 78 Ave Miami, FL 33166-0000	305 592-4923 305 599-5208	7797	11/30/2003	CSBE LEVEL 1 2353 Electrical Contractors
T J PAVEMENT CORP.	JOSE ALVAREZ	10741 SW 30 St Miami, FL 33165	305-220-8863 305-559-0195	2269	09/30/2003	CSBE LEVEL 2 23411 Highway And Street Construction 23599 All Other Special Trade Contractors
T L M C ENTERPRISES, INC. *	TAMMY MC NAIR	3800 NW 22 Ave, #100 Miami, FL 33142-0000	305-948-9271 305-948-1131	2272	09/30/2003	CSBE LEVEL 3 02200 Site Preparation 23332 Commercial And Institutional Building Construction 23492 Power And Communication Transmission Line Construction 23593 Excavation Contractors 23599 All Other Special Trade Contractors 56173 Landscaping Services
TALMAC, INC.	ANDRES SOLARES	10411 NW 28th St, C-106 Miami, FL 33172-0000	305-468-8680 305-468-8682	2279	02/28/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction 23541 Masonry And Stone Contractors 23542 Drywall, Plastering, Acoustical, And Insulation Contractors 23599 All Other Special Trade Contractors
				2279	02/29/2004	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction 23541 Masonry And Stone Contractors 23542 Drywall, Plastering, Acoustical, And Insulation Contractors 23599 All Other Special Trade Contractors
				2279	02/29/2004	CSBE LEVEL 2 23571 Concrete Contractors
TASCO PLUMBING CORP.	CARLOS PAJON	8902 NW 187th St Hialeah, FL 33018	305-688-7586 305-688-7597	2285	01/31/2004	CSBE LEVEL 2 15400 Plumbing Fixtures And Equipment 15700 Heating, Ventilating, And A/C Equipment 23511 Plumbing, Heating, And Air-Conditioning

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FIRM NAME	CONTACT	ADDRESS	PHONE FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
						Contractors
THE JALAN CONSTRUCTION GROUP, INC.	CHERYL FIELDS	15155 NW 7 Ave, #5 Miami, FL 33169-0000	305-687-2893 305-687-2831	2317	08/31/2003	CSBE LEVEL 1 23521 Painting And Wall Covering Contractors
THE SANDY CORPORATION D/B/A APEX A/C CONTRACTORS	BARBARA AMELEIRAS	8266 NW S. River Dr Medley, FL 33166	305-805-2277 305-805-2299	2319	01/31/2004	CSBE LEVEL 2 2351 Plumbing, Heating, And Air-Conditioning Contractors 15700 Heating, Ventilating, And A/C Equipment
THECON ELECTRIC INC.	THOMAS HOSTUTLER	19727 SW 84 Pl Miami, FL 33189-0000	305-233-6522 786-242-0420	7555	09/30/2003	CSBE LEVEL 1 7353 Electrical Contractors
THERMAL - FLOW, INC.	RAUL GREAVES, P E	9489 SW 154th Ave Miami, FL 33196	305-380-0742 305-380-0742	2323	05/31/2003	CSBE LEVEL 1 23511 Plumbing, Heating, And Air-Conditioning Contractors
THORNTON CONSTRUCTION COMPANY, INC.	THOMAS THORNTON	701 SW 27 Ave, 705 Miami, FL 33135-3040	305-854-1900 305-854-7911	2334	03/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction 23594 Wrecking And Demolition Contractors
				2334	01/31/2003	CSBE LEVEL 1 05100 Structural Metal Framing 23542 Drywall, Plastering, Acoustical, And Insulation Contractors
TITAN CONSTRUCTION GROUP, INC.	SAMUEL DIAZ	1401 SW 1 St, #212 Miami, FL 33135-0000	305-541-3737 305-541-3653	2341	08/31/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction
TOKES ORGANIZATION, INC.	NWOKOYE ONYIDRAH	18800 NW 2 Ave, #219b Miami, FL 33169	305-770-0530 305-655-3050	2344	02/28/2003	CSBE LEVEL 1 23521 Painting And Wall Covering Contractors
				2344	02/29/2004	CSBE LEVEL 1 23521 Painting And Wall Covering Contractors
TOTAL SYSTEMS, INC	ERIC HAMMOND	99 NW 183 St, #102 Miami, FL 33169	305-655-1001 305-651-3376	2354	03/31/2003	CSBE LEVEL 1 15000 Mechanical 23511 Plumbing, Heating, And Air-Conditioning Contractors
TRAN CONSTRUCTION, INC.	HENRY LOUDEN	420 Lincoln Rd, #M-1 Miami Beach, FL 33139-0000	305-673-5427 305-673-5428	4840	11/30/2003	CSBE LEVEL 3 23332 Commercial And Institutional Building Construction
TRI - B CONSTRUCTION CORP.	DEBORAH BRIDGES	7808 NW 9 Ave Miami, FL 33150	305-694-1328 305-835-2590	2370	08/31/2003	CSBE LEVEL 1 23332 Commercial And Institutional Building Construction
TRINTEC CONSTRUCTION, INC.	PETULIA SCHVARTZ	7865 NW 66 St, #102 Miami, FL 33166-0000	305-685-3001 305-685-3210	2381	06/30/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction
TROPEX CONSTRUCTION SERVICES, INC.	ANGEL PAREJA	14342 SW 98th Ter	305-386-8695	2385	09/30/2003	CSBE LEVEL 1

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		Miami, FL 33186-0000	305-675-0342			
						23332 Commercial And Institutional Building Construction
						23521 Painting And Wall Covering Contractors
TROPICAL PAINTING OF MIAMI, INC.	GEORGE TUBBS	24210 SW 122 Ave Homestead, FL 33032-0000	305-258-2035 305-258-7626	4839	11/30/2003	CSBE LEVEL 1 23521 Painting And Wall Covering Contractors
TRUSTING HANDS CONTRACTING	GERALD SHELTON	11362 SW 184 St Miami, FL 33157-0000	305-278-8877 305-278-8811	7913	12/31/2003	CSBE LEVEL 1 2357 Concrete Contractors
						23332 Commercial And Institutional Building Construction
						23551 Carpentry Contractors
TWO BROTHERS PAVING & DRAINAGE ENGINEERING	ENRIQUE ESQUIEROSA	490 W 39 Pl Hialeah, FL 33012	305-827-9151 305-364-7186	2398	06/30/2003	CSBE LEVEL 1 23411 Highway And Street Construction 23491 Water, Sewer, And Pipeline Construction 23571 Concrete Contractors
U S A CARPET, INC.*	MARIA MEJIDES	625 W 60 St Hialeah, FL 33012-0000	305-822-8139 305-558-4602	2403	08/31/2003	CSBE LEVEL 1 09600 Flooring 23543 Tile, Marble, Terrazzo, And Mosaic Contractors 23552 Floor Laying And Other Floor Contractors
U S A ELECTRIC, INC.	JUAN PANTIN	7333 NW 8 St, #H Miami, FL 33126	305-265-7660 305-265-7658	2404	03/31/2003	CSBE LEVEL 1 23531 Electrical Contractors 561621 Security Systems Services (Except Locksmiths)
UNION ELECTRICAL CONTRACTOR, INC.	JOSE RUIZ	2825 SW 79th Ct Miami, FL 33155	305-261-1689 305-267-1175	2411	06/30/2003	CSBE LEVEL 1 23531 Electrical Contractors
UNITECH BUILDERS CORP	ANTHONY GOMEZ	3050 Biscayne Blvd, #1007 Miami, FL 33137-0000	305-259-1980 305-259-1970	6925	06/30/2003	CSBE LEVEL 2 233 Building, Developing, And General Contracting
UNITECH MECHANICAL SYSTEMS	GUSTAVO DE LA FE	7850 W 25 Ct Hialeah, FL 33016	305-557-6460 305-557-6470	2421	09/30/2003	CSBE LEVEL 2 23511 Plumbing, Heating, And Air-Conditioning Contractors
UNLIMITED ROOFING SERVICES, INC.	MANNY MENDEZ	1824 NW 21 Ter Miami, FL 33142	305-545-9046 305-325-8950	2430	10/31/2003	CSBE LEVEL 2 23561 Roofing, Siding, And Sheet Metal Contractors
VERA BUILDERS ENTERPRISES, INC.	CLEMENTE VERA	499 W 23 St Hialeah, FL 33010	305-888-1080 305-888-1081	2452	02/28/2003	CSBE LEVEL 2 23332 Commercial And Institutional Building Construction
VERCON CONSTRUCTION MANAGEMENT INC.	ANDREW VEZURA	18999 Biscayne Blvd, #105 Aventura, FL 33180-0000	305-932-3435 305-933-3128	7492	09/30/2003	CSBE LEVEL 3 23332 Commercial And Institutional Building Construction
VEROTEX CONSTRUCTION, INC.	SERGIO POTES	6895 SW 18 St	305-261-8777	2458	02/28/2003	CSBE LEVEL 1

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		Miami, FL 33155	305-261-3522			
						23332 Commercial And Institutional Building Construction
W E A ELECTRICAL CONTRACTOR, INC.	MARIA ESCORCIA	7701 W 26th Ave, Bay#2 Hialeah, FL 33018-0000	305-525-0968 305-820-3296	7294	08/31/2003	CSBE LEVEL I 2353 Electrical Contractors
W A. SUTHERLAND & ASSOCIATES, INC.	WAYNE SUTHERLAND	12926 SW 133 Ct Miami, FL 33186	305-255-1948 305-752-7231	2482	08/31/2003	CSBE LEVEL I 23332 Commercial And Institutional Building Construction
WARREN FENCE COMPANY, INC.	BETTY WARREN	2510 NW 111th St Miami, FL 33167	305-685-3069 305-685-5200	2489	06/30/2003	CSBE LEVEL I 02820 Fences And Gates 23599 All Other Special Trade Contractors
WEST KENDALL ELECTRIC, INC	PATRICK ALTVATER	9305 SW 94th St Miami, FL 33176-0000	305-596-6240 305-596-5176	6023	03/31/2003	CSBE LEVEL I 2353 Electrical Contractors
WIS'S ENGINEERING	WISCONSIN MC LACHLAN	P.O. Box 695109 Miami, FL 33169-0000	305-758-4482 305-758-4482	2519	07/31/2003	CSBE LEVEL I 02200 Site Preparation 02300 Earthwork 23593 Excavation Contractors
WONDERFUL TILES, CORP.	MIGUEL PEREZ	2350 W 12th Ave, #A2 Hialeah, FL 33010-0000	305-885-6883 305-821-1212	8051	01/31/2004	CSBE LEVEL I 2355 Carpentry And Floor Contractors
XART ELECTRIC, INC.	MIGUEL XART	8025 SW 28th St Miami, FL 33155-0000	305-266-7314 305-269-9805	7637	10/31/2003	CSBE LEVEL I 23531 Electrical Contractors
XCEL ENGINEERING CORP.	SIFANG ZHAO	2254 W 78 St Hialeah, FL 33016-0000	305-558-4801 305-558-2802	8072	01/31/2004	CSBE LEVEL I 23411 Highway And Street Construction 23593 Excavation Contractors

NXT 5235

PSC 6898

MIAMI-DADE COUNTY
RESPONSIBLE WAGES & BENEFITS
(ORDINANCE No. 90-143)

NXT 5236

PSC 6899

MIAMI-DADE COUNTY, FLORIDA

RESPONSIBLE WAGES AND BENEFITS

SECTION 2-11.16 OF THE CODE
(ORDINANCE 90-143)

SUPPLEMENTAL GENERAL CONDITIONS

NOTICE TO EMPLOYEES

PAYROLL FORM WH-347
(For Contractors Optional Use)

FIRST QUARTER
2003

NXT 5237

PSC 6900

SUPPLEMENTAL GENERAL CONDITION

Bidders are advised that the provisions of Dade County Ordinance 90-143 (otherwise known as Ordinance 90-90, as amended) will apply to any contract or contracts awarded pursuant to this bid. **By submitting a bid pursuant to these specifications, a bidder is hereby agreeing to comply with the provisions of Ordinance 90-143, and to acknowledge awareness of the penalties for non-compliance.** A copy of this ordinance may be obtained from the department issuing the specifications for this bid.

This Supplemental General Condition is organized with the following sections:

1. Minimum Wages and Posting of Information.
2. Liability for Unpaid Wages; Liquidated Damages;
3. Payrolls, Basic Records and Reporting
4. Subcontracts
5. Complaints and Hearings; Contracts Termination and
6. Apprentices and Trainees

1. MINIMUM WAGES AND POSTING OF INFORMATION

A. All laborers and mechanics employed or working upon the project will be paid the full amount wages and fringe benefits (or cash equivalents thereof) computed at rates not less than those contained in the wage determination which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. For any given classification of workers, the combined overall per hour rate paid shall equal at least the sum of the wage and benefit levels listed for that classification. The contractor, or any subcontractor under him, may fulfill the obligations to pay such specified overall hourly rate by payment of wages, contributions to employee benefit plans, payment in cash, or any contributions thereof. Contributions made or costs ~~reasonably anticipated for bona fide fringe benefits on behalf~~ of laborers or mechanics are considered wages paid to such laborers or mechanics; also, regular contributions made or costs incurred under plans, funds, or programs which cover the particular pay period, are deemed to be constructively made or incurred during such pay period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed without regard to skill. Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein; provided, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed.

B. For any class of laborers or mechanics which is not

listed in the wage determination and which is to be employed under the contract, the required wage rate shall be the combined overall dollar value on an hourly basis of the "basic hourly rate of pay" (as defined in 29 C.F.R. § 5.24) and of the fringe benefits payments for hospitalization, medical, pension and life insurance for such class under the United States Secretary of Labor's applicable Davis-Bacon wage determination in effect for Dade County. Questions concerning the comparability of worker classifications or the applicability of Davis-Bacon classifications shall be determined by the County.

C. The wages/benefits to be paid the various classifications, together with notice that a penalty at the rate of $200 per day per employee may be assessed for failure to pay the required rates. Any complaints of underpayment should be filed with the **Director of the Department of Business Development, 175 Northwest First Avenue, 28th Floor, Miami, Fl. 33128, (305) 349-5960,** and shall be posted at all times by the contractor and its subcontractors at the site where the contract work is being performed in a prominent and accessible place where it can be easily seen by the workers.

2. LIABILITY FOR UNPAID WAGES; PENALTIES; WITHHOLDING

A. In the event of any underpayment of required wage rates, the contractor shall be liable to the underpaid employee for the amount of such underpayment. In addition, the contractor shall pay a penalty in the amount of $200.00 to the County for each individual laborer or mechanic, employed in violation hereof for each calendar day on which such individual was paid less the required wages.

B. The County may withhold from any moneys payable on account of work performed under the contract, such sums as may be determined to be necessary to satisfy any liabilities for unpaid wages and penalties as provided herein. In order to preserve the rights of the affected workers under Ord. 90-143, the contracting officer may withhold or cause to be withheld from the contractor under this agreement so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the project, all or part of the wages required by the contract, the contracting officer may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, until such violations have ceased. The withheld monies shall be remitted to the employee only in accordance with the provisions of Section 5, "Complaints and Hearings; Contract Termination and Debarment".

3. PAYROLL; BASIC RECORDS; REPORTING

A. The contractor, and each subcontractor under him, shall keep or cause to be kept accurate written records signed under oath as true and correct demonstrating payment of the required wages. Such records shall contain the name, social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona-fide fringe benefits or cash equivalents thereof), and daily and weekly number of hours worked on this project. In addition thereto, the contractor shall submit a list of all subcontractors and the name and social security number of each subcontractor's employees who performed work each day on the contract. Each subcontractor shall submit a list of the names and social security numbers of its employees who performed work each day on the contract. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration or apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and wage rates prescribed in the applicable programs.

B. The contractor shall submit the information required hereunder with each request for progress payment. Information submitted on U. S. Department of Labor form WH-347 or on a form acceptable to the County as its equivalent, and which is signed under oath, will satisfy the information requirements hereunder.

C. The contractor or subcontractor shall make the records required to be kept hereunder available for inspection, copying or transcription by authorized representative of the County, and shall permit such representative to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required reports or make the records on which they are based available, the County may, after written notice to the contractor, take such actions as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required reports upon request or to make records available may be grounds for debarment. The prime contractor is responsible for the submission of the information required hereunder and for the maintenance of records and provision of access to same by all subcontractors.

4. SUBCONTRACTS

The contractor shall insert in any subcontracts the clauses set forth in paragraphs 1 through 6 of this provision and also a clause requiring the subcontractors to include these clauses in any lower tier subcontract. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs 1 through 6 of this provision.

5. COMPLAINTS AND HEARINGS; CONTRACT TERMINATION AND DEBARMENT

A. Upon receipt of a written complaint or identification of a violation pertaining to an employee wage underpayment, which is the required overall hourly rates, the County will notify the contractor or subcontractor employing said workers of the complaint/violation. The notice shall include a brief description of the said complaint/violation, the dollar amount that the contractor or subcontractor is liable for in backwages, the required corrective action(s) to be taken and the due date for payment of backwages or to request a compliance meeting. Failure to comply or request a compliance meeting within the due date specified shall constitute a waiver of the contractor's or subcontractor's right to a compliance meeting, and that such waiver shall constitute an admission of the complaint/violation.
The County may withhold from the contractor so much accrued payments as may be considered necessary by the contracting officer to pay employees of the contractor or subcontractor under them for the performance of the contract work, the difference between the combined overall hourly wage rate and benefits required to be paid by the contractor to the employee on the work and the amounts received by such employee where violations have been found. In the event of failure of such negotiations, the prime contractor may request the appointment of a hearing officer. The Compliance Officer shall request the County Manager or his or her designee to appoint a Hearing Officer within ten (10) days of the time at which all means to resolve the complaint/violation have been exhausted. The County Manager shall attempt to appoint a hearing officer within thirty (30) days from the receipt of request. Upon the appointment of a hearing officer the County will notify the contractor or subcontractor within five (5) days of the hearing date pertaining to said complaint. The County Manager will review the findings and recommendations of the hearing officer, and determine whether the contractor or subcontractor failed to comply with the contract specifications as alleged. Neither the contractor, nor any subcontractor under him, may terminate an employee performing work on the contract because of such employee's filing a complaint regarding underpayment of required wage rates.

B. If the County Manager determines that the contractor or subcontractor substantially or repeatedly failed to comply, the non-complying contractor or subcontractor and the principal owners thereof shall be prohibited from bidding or otherwise participating in County contracts for the construction, alteration and/or repair, including painting or decorating, of public buildings or public works for a period of three years. The County Manager may order the withheld amount equal to any underpayment remitted to the employee. In addition, the County Manager may order payment of a penalty to the County. If the required payment is not made within a reasonable period of time, the County Manager may order debarment as described above.

C. A breach of the clauses contained in this Supplemental General Condition shall be deemed a breach of this contract and may be grounds for termination of the contract, and for debarment.

6. APPRENTICES AND TRAINEES

A. APPRENTICES: Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona-fide apprenticeship program registered with the U. S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a state apprenticeship agency recognized by the Bureau, or if a person is employed in his or her first 90 days probationary employment
as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Bureau of Apprenticeship and Training or a state apprenticeship agency (where appropriate) to be eligible for probationary employment as an apprentice. The craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the project in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in the percentages of the journeyman's hourly rate) specified in the contractor's or subcontractors registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Apprentices shall be paid

fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable apprentice classification, fringe benefits shall be paid in accordance with that determination. In the event the Bureau of Apprenticeship and Training, or a state apprenticeship agency recognized by the Bureau, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is provided.

B. TRAINEES: Except as provided in 29 C.F.R. § 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U. S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater then permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the Trainee Program. If the Trainee Program does not specify fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the administrator of the wage and hour division determines that the rate is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination, which provides for less than the full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wages are on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

NOTICE

NOTICE TO ALL EMPLOYEES WORKING ON COUNTY CONSTRUCTION PROJECTS

MIAMI-DADE

RESPONSIBLE WAGES AND BENEFITS (ORDINANCE 90-143)

MINIMUM WAGES	You must be paid not less than the combined dollar value (Wage Rate + Health+Pension Benefit) listed in the schedule posted with this notice for the kind of work you perform.
OVERTIME	You must be paid not less than one and one-half times your wage rate for all hours worked over 40 hours a week. (excluded from overtime pay are allowances for health & pension benefit)
APPRENTICES & TRAINEES	Apprentices/trainees rates apply only to apprentices and trainees properly registered under an approved Federal or State apprenticeship or training program.
PENALTY	Liquidated damages of $200.00 per day per employee, may be assessed for failure to pay the required wage rates posted, in addition to payment of the underpaid wages to the employee.
COMPLAINTS	Complaints of underpayment should be filed with:

DBD
DEPARTMENT OF BUSINESS DEVELOPMENT

MIAMI DADE COUNTY
DEPARTMENT OF BUSINESS DEVELOPMENT
CONTRACT REVIEW & COMPLIANCE DIVISION
175 NORTHWEST FIRST AVENUE 28th FLOOR
MIAMI, FLORIDA 33128-1975
TELEPHONE/FAX NUMBERS (305)349-5960 or (305)349-5915

NXT 5244

(For Contractor's Optional Use; See Instruction, Form WH-347 Inst.)

(1) NAME, ADDRESS, AND SOCIAL SECURITY NUMBER OF EMPLOYEE	(2) NO. OF WITHHOLDING EXEMPTIONS	(3) WORK CLASSIFICATION	(4) DAY AND DATE							(5) TOTAL HOURS	(6) RATE OF PAY	(7) GROSS AMOUNT EARNED	(8) DEDUCTIONS						(9) NET WAGES PAID FOR WEEK
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			2																
			3																
			4																
			5																
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NXT 5245

PSC 6908

MIAMI-DADE COUNTY
FLORIDA

RESPONSIBLE WAGES AND BENEFITS

SECTION 2-11.16 OF THE CODE
(ORDINANCE 90-143)

WAGES AND BENEFIT SCHEDULES

(Construction Type: Building, Heavy, Highway,& Sewer and Water Line)

Building Construction generally is the construction of sheltered enclosures with walk-in access for the purpose of housing persons, machinery, equipment or supplies. It includes all construction of such structures, the installation of utilities and the installation of equipment, both above and below grade.
(Note: Where multiple construction is "incidental" in function, the construction is considered a part of the building project for wage determination purposes.

Heavy Construction projects are those projects that are not properly classified as either "Building", or "Highway".**(excluding dredging projects, water & sewer lines projects, dams, major bridges, and flood control projects)**

Highway Construction projects include the construction, alteration or repairs of roads, streets, highways, runways, taxiways, alleys, trails, paths, parking areas, and other similar projects not incidental to building or heavy construction

FIRST QUARTER
2003

MIAMI DADE COUNTY
ORDINANCE 98-143
WAGE AND BENEFIT SCHEDULE
FIRST QUARTER 2003

"BUILDING CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
BRICKLAYERS & ALLIED CRAFTSMEN (2)				
Journeymen	$ 18.50	$ 2.80	$1.15	$ 22.45
Foremen	19.50	2.80	1.15	23.45
General Foremen	21.45	2.80	1.15	25.40
Apprentices:				
First 6 months	$ 12.02	$ 2.80	$1.15	$ 15.97
Second 6 months	12.95	2.80	1.15	16.90
Third 6 months	13.87	2.80	1.15	17.82
Fourth 6 months	14.80	2.80	1.15	18.75
Fifth 6 months	15.72	2.80	1.15	19.67
Sixth 6 months	16.65	2.80	1.15	20.60

Tile Finishers wage is 75% of journeyman wages plus fringes

(1) Per hour health benefit includes hospitalization, medical, and life insurance.

(2) Rates include Residential, Building, Heavy Construction and Highway work as described in USDOL, Employment Standards Administration, Memorandum No. 130

Includes brick, stone, artificial, cement and marble masonry, plastering, marble, mosaic, terrazzo work, tile layer's work, cement or concrete blocklaying and pointing, caulking, grouting and cleaning of materials used in this work, together with any and all materials, natural or artificial, rough or cultured; whether quarried, manufactured or any substitute or replacement; precast erectors, pool specialist and roof deck applicators.

APPRENTICE RATIO:

One (1) Apprentice to two (2) Journeymen, if an average of two (2) Journeymen have been employed for One (1) year immediately prior to employment of the Apprentice.
One (1) Apprentice to three (3) Journeymen if working on the same job.

NXT 5247

PSC 6910

MIAMI DADE COUNTY
ORDINANCE 90-143
WAGE AND BENEFIT SCHEDULE
FIRST QUARTER 2003

"BUILDING CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
CARPENTERS /JOINERS/LATHER(2)				
Journeymen	$ 17.00	$ 3.15	$ 1.05	$21.20
Foremen (12 or less workers)	18.00	3.15	1.05	22.20
Foremen (13 or more workers)	18.50	3.15	1.05	22.70
Apprentices (Carpenters, Carpet Workers and Interior Specialist)				
First 6 months	$ 10.41	3.15	1.05	14.61
Second 6 months	11.27	3.15	1.05	15.47
Third 6 months	12.14	3.15	1.05	16.34
Fourth 6 months	13.01	3.15	1.05	17.21
Fifth 6 months	13.88	3.15	1.05	18.08
Sixth 6 months	14.74	3.15	1.05	18.94
Seventh 6 months	15.71	3.15	1.05	19.91
Eighth 6 months	16.13	3.15	1.05	20.33
CARPET WORKERS				
Journeymen	$ 17.25	$ 3.15	$ 1.05	$21.45
Foremen (12 or less workers)	18.25	3.15	1.05	22.45
Foremen (13 or more workers)	18.75	3.15	1.05	22.95
INTERIOR SPECIALIST				
Journeymen	$ 16.13	3.15	1.05	20.33
Foremen (12 or less workers)	17.13	3.15	1.05	21.33
Foremen (13 or more workers)	17.63	3.15	1.05	21.83

(1) Per hour health benefit includes hospitalization, medical, and life insurance.

NXT 5248

MIAMI DADE COUNTY
ORDINANCE 90-143
WAGE AND BENEFIT SCHEDULE
FIRST QUARTER 2003

"BUILDING CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE

(2) Includes prefabrication or construction of forms for footing or foundations buildings, structures of all descriptions, whether made of wood, metal, plastic or any other type of material, the erecting of structural parts of a building, or structure made of wood or any substitute such as plastics or composition materials, that puts together roofs, partitions, fabricates or erects forms for decking or other structural parts of a building, or any structure, and dismantling of all forms. All framing in connection with the setting of metal columns. The settings of all forms, centers and bulkheads, the fabrication and setting of screeds and stakes for concrete and mastic floors where the screed is notched or fitted or made up of more than one. The making and setting of all forms used in concrete work.

NOTE:
When the term CARPENTER AND JOINER is used, it shall mean all the sub-divisions of the trade consists of the milling, fashioning, joining, assembling, erecting, fastening or dismantling of all material of wood, plastic, metal, fiber, cork and composition, and all other substitute.

When five (5) or more workers are employed on a job, one (1) worker shall be a foreman.

Add $0.50 per hour to the per hour wage rate when work is done on swinging scaffolds, boatswains chairs or any like device.

APPRENTICE RATIO:
Two (2) Apprentices to three (3) Journeymen.

NXT 5249

PSC 6912

MIAMI DADE COUNTY
ORDINANCE 90-143
WAGE AND BENEFIT SCHEDULE
FIRST QUARTER 2003

"BUILDING CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
DRYWALL FINISHERS				
Journeymen Tapers (Hand and Tool)	$ 14.50	$ 2.25	$ 1.00	$ 17.75
Foremen (5 or less workers)	15.50	2.25	1.00	18.75
General Foremen (6 or more workers)	16.50	2.25	1.00	19.75
Apprentices:				
First 6 months	$ 9.43	$ 2.25	$ 0.10	$ 11.78
Second 6 months	10.15	2.25	0.10	12.50
Third 6 months	10.88	2.25	0.10	13.23
Fourth 6 months	11.60	2.25	0.10	13.95
Fifth 6 months	12.33	2.25	0.10	14.68
Sixth 6 months	13.05	2.25	0.10	15.40
Seventh 6 months	13.78	2.25	0.10	16.13
Eighth 6 months	13.78	2.25	0.10	16.13

(1) Per hour health benefit includes hospitalization, medical, and life insurance.

(2) Scope of work under this trade shall include, but not limited to the preparation or leveling of any surface or substrate which is to receive a coating, finish and/or wall covering; this would include but not be limited to all levels of finishings, spackling of all surfaces, including gypsum wallboard taping and finishing, glaze coatings, spotting of nails, finishing of corner beads/flex bead, patching and sanding is within the system of preparing surface for finishes. All stucco and drivit systems will be performed by this trade.

APPRENTICE RATIO:
~~One (1) Apprentice to three (3) Journeymen.~~
Shop of four (4) or more Journeymen must employ at least one (1) Apprentice.

NXT 5250

PSC 6913

MIAMI DADE COUNTY
ORDINANCE 90-143
WAGE AND BENEFIT SCHEDULE
FIRST QUARTER 2003

"BUILDING CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFITS (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
ELECTRICAL WORKERS (1)				
UNDER TWO (2) MILLION (Electrical portion of Contract)				
Journeymen:				
Wiremen	$ 20.75	$ 3.65	$ 2.26	$ 26.66
Cable Splicers	21.25	3.65	2.30	27.20
Welders	21.25	3.65	2.30	27.20
Foremen	22.83	3.65	2.43	28.92
General Foremen	24.90	3.65	2.59	31.14
Apprentices:				
First year	$ 11.00	$ 3.65	$ 1.48	$ 16.13
Second year	11.60	3.65	1.53	16.78
Third year	12.85	3.65	1.63	18.13
Fourth year	14.00	3.65	1.72	19.37
Fifth year	16.00	3.65	1.88	21.53
OVER TWO (2) MILLION (Electrical portion of Contract)				
Journeymen:				
Wiremen	$ 23.21	$ 3.65	$ 2.46	$ 29.32
Cable Splicers	23.71	3.65	2.50	29.86
Welders	23.71	3.65	2.50	29.86
Foremen	25.53	3.65	2.64	31.82
General Foremen	27.85	3.65	2.83	34.33
Apprentices (same rates as above)				

(1) Includes: installation, repair, alter, add or change any electrical wire fixtures, appliance apparatus, raceways conduit or a part there of which generates, transmits, transforms or utilizes electrical energy in any form for heat, light, or power including the electrical installations within plants and sub-stations, additionally, work of installing a low voltage fire alarm systems.

APPRENTICE RATIO:
One (1) Apprentice to three (3) Journeymen.
Add $1.50 per hour to the per hour wage rate for Journeymen working in hazardous locations.

NXT 5251

PSC 6914

MIAMI DADE COUNTY
ORDINANCE 90-143
WAGE AND BENEFIT SCHEDULE
FIRST QUARTER 2003

"BUILDING CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
ELECTRICAL WORKER (ELECTRIC SIGN)				
Journeymen:				
Electric Sign	$19.90	$3.65	$2.19	[redacted]
Foremen	$21.89	$3.65	$2.35	
General Foremen	$23.88	$3.65	$2.51	
Apprentices:				
First Year	$10.90	$3.65	$1.47	[redacted]
Second Year	$11.50	$3.65	$1.52	
Third Year	$12.70	$3.65	$1.62	
Fourth Year	$13.95	$3.65	$1.72	
Fifth Year	$15.80	$3.65	$1.86	

Hazard Pay: add $1.75, one dollar and seventy five cents to the per hour rate for Journeyman.

APPRENTICE RATIO: One Apprentice to three Journeymen.

Includes: Installation repair, addition, or changes of any illuminated sign, non-illuminated sign, or luminous tubes. Any electrical wire, fixtures, appliance apparatus, raceway, conduit, or any part thereof which transmits transfers or utilizes electrical energy in any form for heat, light, or power.

MIAMI DADE COUNTY
ORDINANCE 90-143
WAGE AND BENEFIT SCHEDULE
FIRST QUARTER 2003

"BUILDING CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
ELEVATOR CONSTRUCTORS				
Elevator Construction Teams:				
Mechanics	$ 25.29	$ 4.78	$ 2.51	$ 32.58
Foremen	28.45	4.78	2.51	35.74
Mechanic Helpers	$ 17.70	$ 4.78	$ 2.51	$ 24.99
Probationary Helper	12.64	0.00	0.00	12.64

(1) Per hour health benefit includes hospitalization, medical, and life insurance.

HELPER RATIO:
One (1) Helper to one (1) Mechanic.

NXT 5253

PSC 6916

MIAMI DADE COUNTY
ORDINANCE 90-143
WAGE AND BENEFIT SCHEDULE
FIRST QUARTER 2003

"BUILDING CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
GLAZIERS, ARCHITECTURAL METAL & GLASS WORKERS(2)				
Journeymen Glazier:				
Commercial	$ 18.25	$ 2.25	$ 2.35	$ 22.85
Light Commercial	17.70	2.25	2.35	22.30
Service & Maintenance	16.70	2.25	2.35	21.30
Residential	14.45	2.25	2.35	19.05
Shop				
Truck Driver				
Production Glazing Mechanic				
First Level	$ 9.13	$ 2.25	$ 2.35	$ 13.73
Second Level	10.04	2.25	2.35	14.64
Third Level	10.95	2.25	2.35	15.55
Fourth level	11.87	2.25	2.35	16.47
Fifth Level	12.78	2.25	2.35	17.38
Sixth Level	13.69	2.25	2.35	18.29
Seventh Level	14.60	2.25	2.35	19.20
Eighth Level	15.52	2.25	2.35	20.12
Ninth Level	16.43	2.25	2.35	21.03
Tenth Level	17.34	2.25	2.35	21.94
Apprentices ratio one (1) apprentice to two (2) Journeymen				
1st 6 months	$ 11.87	$ 2.25	$ 0.10	$ 14.22
2nd 6 months	12.78	2.25	0.10	15.13
3rd 6 months	13.69	2.25	0.10	16.04
4th 6 months	14.60	2.25	0.10	16.95
5th 6 months	15.52	2.25	0.10	17.87
6th 6 months	16.43	2.25	0.10	18.78
7th 6 months	17.34	2.25	0.10	19.69
8th 6 months	17.34	2.25	0.10	19.69

Notes:

Lead Person : plus $.50 per hour
Foreman: plus $1.00 per hour up to fifteen (15) employees
Foreman: plus $2.00 per hour fifteen (15) or more employe
General Foreman: plus $3.00 per hour

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"BUILDING CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE

GLAZIERS, ARCHITECTURAL METAL & GLASS WORKERS(2)

(1) Per hour health benefit includes hospitalization, medical, and life insurance.

(2) Includes: glass and glazing and the installation of fabricated material delivered to the job site which is within the trade jurisdiction. General glazing shall include the setting, cutting, preparing, handling, or removal of the following; art glass, plate glass, colored glass, window glass, mirrors of all types, detopak glass, opaque glass, tempered glass, laminated glass, insulating glass units, all plastics or other similar materials when used in the place of glass, to be set or glazed in its final resting place with or without putty, molding, rubber, lead and all types of mastics in wood, iron, aluminum or sheet metal sash, skylights, partitions, and glazed solar system. The fabrication and installation of extruded, rolled or fabricated non-structural metal tubes, muntins, mullions, facing material, and facia trim moldings, porcelain panels, architectural porcelain plastic panels, skylight and showcase door curtain-wall and window-wall, both pre-glazed and field glazed, louvers, sunscreens and glass handrailing. The fabrication and installation of door and window frame assemblies such as patio, sliding or fixed doors, vented or fixed windows, shower doors and bathtub enclosures. The installation of fire hose cabinets and storm sash where the glass becomes an integral part of the finished product.

NXT 5255

PSC 6918

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"BUILDING CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
INSULATORS & ASBESTOS WORKERS				
Journeymen	$ 20.60	$ 3.57	$ 3.34	$ 27.51
Foremen (1-14 workers)	21.10	3.57	3.34	28.01
Gen. Foremen (15 or more workers)	21.60	3.57	3.34	28.51
Apprentices:				
First year	$ 10.30	$ 3.57	$ 3.34	$ 17.21
Second year	12.36	3.57	3.34	19.27
Third year	15.04	3.57	3.34	21.95
Fourth year	16.89	3.57	3.34	23.80

(1) Per hour health benefit includes hospitalization, medical, and life insurance.

(2) Per hour wage rate includes local and national apprenticeship fund

(3) Scope of work under this trade shall include, preparation, fabrication, application, alteration erection, assembling molding, spraying, pouring, mixing, hanging, adjusting, repairing, dismantling, reconditioning, maintenance, finishing and/or weatherproofing of cold or hot thermal, insulation with such materials as may be specified when these materials are to be installed for thermal, fireproofing and acoustical purposes in voids, or to create voids, or on either piping, fittings, vlaves, boilers,ducts, flues, tanks, vats equipment, or on any cold or hot surfaces for the purpose of thermal control. All exterior material, excluding factory applied for the purpose of weatherproofing or protection, etc, shall be prepared and applied by the Asbestos Workers. This is also to include all labor connected with the handling and distribution of thermal insulation materials on the job premises and all other such work.

APPRENTICE RATIO:
One (1) Apprentice to four (4) Journeymen.

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"BUILDING CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION		PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
IRONWORKERS (2)					
Journeymen		$ 19.25	$ 2.65	$ 1.78	$ 23.68
Foremen		20.50	2.65	1.78	24.93
General Foremen		22.25	2.65	1.78	26.68
Apprentices:					
First 6 months	(1000 Hours)	$ 11.55	$ 2.65	$ -	$ 14.20
Second 6 months	(1000 Hours)	12.51	2.65	0.00	15.16
Third 6 months	(1000 Hours)	13.48	2.65	0.00	16.13
Fourth 6 months	(1000 Hours)	14.44	2.65	0.00	17.09
Fifth 6 months	(1000 Hours)	15.40	2.65	0.00	18.05
Sixth 6 months	(1000 Hours)	16.36	2.65	0.00	19.01
Seventh 6 months	(1000 Hours)	17.33	2.65	0.00	19.98
Eighth 6 months	(1000 Hours)	18.29	2.65	0.00	20.94

Diving Pay 0 to 33 feet deep add Journeyman wages plus $3.00
Diving Pay 33 to 66 feet deep add Journeyman wages plus $5.00

(1) Per hour health benefit includes hospitalization, medical and life insurance.

(2) Includes erection and installation of all bridges, structural, ornamental, reinforcing, posttentioning and miscellaneous irons; including but not limited to the following: bridges (all types), rails, cables, catwalks and miscellaneous metals; structural (all types), bar joists, corrugated sheets on steel decking, monorails, prefabricated metal buildings, bridging, skylights, space frames, stairs, towers, hoists (all types), standing seam metal roofs, heavy rigging, ornamental iron, gates, art work, and fences; reinforcing and posttentioning (all types), rebar, cables and wire mesh; curtain walls, window walls, sealants and caulking, precast and tilt walls, ribbon wall systems, cladding, column covers, electric and manual doors (all types), elevator fronts, store fronts, escalators and trim, windows, fencing (all types), handrails, hardware and screens, rolling overhead doors, cranes and hoists, conveyors (all types), and all miscellaneous metals.

(3) Apprentices must be registered with a certified State of Florida Department of Labor - Bureau of Apprenticeship and Training Program

APPRENTICE RATIO: 33 1/3% of the work force may be Apprentices.

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"BUILDING CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
LABORERS, COMMERCIAL CONSTRUCTION				
General Laborer (2)	$ 11.30	$ 1.77	$ 1.05	$ 14.12
Semi-Skilled Laborer (3)	11.80	1.77	1.05	14.62
Laborer Foremen	12.30	1.77	1.05	15.12
General Laborer Foremen	12.80	1.77	1.05	15.62

(1) Per hour health benefit includes hospitalization, medical and life insurance.

(2) General laborers work include unloading and stockpiling on the ground plastering and/or masonry material

(3) Mason and Plasterer Tenders, concrete placement - patchmen and finish tenders, scaffold builders, strippers and wreckers, electric and air-hammers, concrete grinders, saws, coring machines, nozzle and hoppers and mixers, cutting torch, hydro - blasting, chain saws.

NOTE:
Add $0.50 per hour to the per hour wage rate if power tools are used.

Add $0.25 per hour to the per hour wage rate if freshly creosoted lumber or hot mostic materials are handled.

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TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
MILLWRIGHTS, MACHINERY ERECTORS & DIVERS (2)				
Journeymen	$ 19.90	$ 2.80	$ 5.05	$ 27.75
Foremen	21.65	2.80	5.05	29.50
General Foremen	22.40	2.80	5.05	30.25
Apprentices:				
First year	$ 11.94	$ 2.80	$ 5.05	$ 19.79
Second year	13.93	2.80	5.05	21.78
Third year	15.92	2.80	5.05	23.77
Fourth year	17.91	2.80	5.05	25.76
Journeymen Divers (3)	$ 27.08	$ 2.80	$ 5.05	$ 34.93
Foremen (Divers)	29.08	2.80	5.05	36.93
Foremen (11 or more workers)	31.08	2.80	5.05	38.93
Diver Tenders	24.08	2.80	5.05	31.93

(1) Per hour health benefit includes hospitalization, medical and life insurance.

(2) Includes all work historically related to the unloading, hoisting, rigging skidding, moving, dismantling, aligning, erecting, assembling, repairing, maintenance, and adjusting of all machinery and equipment installed either in buildings, factories structures; be it powered or receiving power manually by steam, gas, electric, gasoline, diesel, nuclear, solar, water, air or chemically, and in industries such as power plants, water and sewage treatment, garbage waste and recycling plants, aluminum processing plants, amusement and entertainment field. Installation of mechanical equipment in atomic energy plants, installation of reactors in power plants, installation of control rods and equipment in reactors, hydraulic escape door and any and all component parts thereto, either assembled, semi-assembled, or dissembled Such work includes, but is not limited to the following: setting of all engines, motors, generators, air compressors, fans, pumps, scales, hoppers, conveyors of all types, sizes, and their supports, escalators, man lifts, moving sidewalks, hoists, dumb waiters, all types of feeding machinery amusement devices, the handling and installation of pulleys, gears, sheaves, fly wheels, air and vacuum drives, worm drives directly or indirectly coupled to motors, belts, chains, screws, legs, boots, guards, boot splicing of ropes, cables, boarding ramps, and air bridges; underwater installation, repair and inspection of pipelines, water and sewage systems, suction and discharge lines and all underwater work not incidental to piledriving and bridge carpenter.

(3) Except that divers incident to piledriving and bridge carpentry are covered by that schedule.

APPRENTICE RATIO:
One (1) Apprentice to three (3) Journeymen after three (3) Journeymen and a Foreman have been hired

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"BUILDING CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (4)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
OPERATING ENGINEERS, BUILDING WORK				
BUILDING (Work within 5 ft. line of building).				
CLASS A	$ 22.40	$ 2.60	$ 1.00	$ 26.00
Cranes and Derricks				
Hoists (2&3 drum only)				
Utility Operators (grouped misc. equipt.)				
CLASS B	$ 20.78	$ 2.60	$ 1.00	$ 24.38
Graders, Finish, Drill Rig, Truck Mounted, Watson Class				
CLASS C	$ 19.23	$ 2.60	$ 1.00	$ 22.83
Dragline				
Grader, Rough				
Concrete Pumps (truck mounted and placing booms)				
CLASS D	$ 18.30	$ 2.60	$ 1.00	$ 21.90
Backhoes (track, rubber tires, etc..)				
Hyd. Crane (under 15 tons)				
Truck Mounted Hyd. Boom				
Bulldozers				
Pavement Breakers				
Travel Lift				
Trenching Machine				
Gradall				
Front-End Loaders and "Bobcats"				
Welder				
Mechanic				
Drill Rig, Truck mounted (Sterling Class)				
CLASS E	$ 16.95	$ 2.60	$ 1.00	$ 20.55
Batching Plant				
Boring Machine				
Concrete Pump (trailer mounted)				

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TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
OPERATING ENGINEERS, BUILDING WORK				
CLASS E Continued Hoists (electric, hyd., air) personnel, material, tugger Inside Elevators Forklift Spreading/Finishing Mach. All other power equipment not specified.	$ 16.95	$ 2.60	$ 1.00	$ 20.55
CLASS F Rollers Compressor (over 250 CFM) Utility Oper. (less than 6 pcs. Equip.) Pumps/Dewatering (4"+) Tractors Driver (misc. trucks) Welding Machines (3 or more) Scrapers and Off-Road Trucks	$ 15.90	$ 2.60	$ 1.00	$ 19.50
CLASS G Oiler/ Driver/Signalman	$ 16.15	$ 2.60	$ 1.00	$ 19.75
CLASS H Oiler Mechanic Helper	$ 14.70	$ 2.60	$ 1.00	$ 18.30
Apprentices: Must be under the supervision of a Journeyman (Ratio (3) apprentices to (1) Journeyman)				
First 6 months	$ 9.27	$ 2.60	$ 1.00	$ 12.87
Second 6 Months	$ 10.20	$ 2.60	$ 1.00	$ 13.80
Third 6 months	$ 11.12	$ 2.60	$ 1.00	$ 14.72
Fourth 6 months	$ 12.05	$ 2.60	$ 1.00	$ 15.65
Fifth 6 months	$ 13.90	$ 2.60	$ 1.00	$ 17.50
Sixth 6 month	$ 15.76	$ 2.60	$ 1.00	$ 19.36

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"BUILDING CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
PAINTERS & ALLIED TRADES				
Journeymen Painters; Brush, rollers, spray;	13.25	2.25	1.00	16.50
Steel, Swing / Stage, Tanks, Lead/ Asbestos Abatement Power Facilities, Catalized Epoxies, Urethanes, HIPAC Coatings Etc..	18.00	2.25	1.00	21.25
Bridges, Nuclear Power Sites:	18.00	2.25	1.00	21.25
Apprentices:				
First 6 months	8.61	2.25	0.10	10.96
Second 6 months	9.28	2.25	0.10	11.63
Third 6 months	9.93	2.25	0.10	12.28
Fourth 6 months	10.60	2.25	0.10	12.95
Fifth 6 months	11.26	2.25	0.10	13.61
Sixth 6 months	11.92	2.25	0.10	14.27
Seventh 6 months	12.58	2.25	0.10	14.93
Eighth 6 months	12.58	2.25	0.10	14.93

Chargeperson; (working up to 5 employees; add .75 per hour)
Chargeperson; (working 6 or more employees; add $1.00 per hour)
General Foreman; 1.00 per hour above highest paid chargeperson.

(1) Per hour health benefit includes hospitalization, medical and life insurance.

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"BUILDING CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
PIPEFITTERS, AIR CONDITIONING & REFRIGERATION (2)				
RESIDENTIAL, LIGHT COMMERCIAL, AC UP TO 5 TONS (R4)				
Journeymen	$12.09	$4.01	$0.00	$16.10
Foremen	13.90	4.01	0.00	17.91
General Foremen	14.50	4.01	0.00	18.51
Apprentices:				
First Year (Probationary)	$ 11.98	$ -	$ -	$ 11.98
Second year	12.79	4.05	0.00	16.84
Third year	13.97	4.05	0.00	18.02
Fourth year	17.44	4.05	1.10	22.59
Fifth year	19.76	4.05	1.15	24.96
Pre Apprentice	9.58	0.00	0.00	9.58
COMMERCIAL, AC UP TO 20 TONS (R3)				
Journeymen	$ 18.37	$4.05	$ 1.60	$ 24.02
Foremen	21.12	4.05	1.60	26.77
General Foremen	22.04	4.05	1.60	27.69
INDUSTRIAL, COMMERCIAL LIMITED, AC UP TO 100 TONS (R2)				
Journeymen	$ 21.74	4.30	$ 2.25	$ 28.29
Foremen	25.00	4.30	2.25	31.55
General Foremen	26.08	4.30	2.25	32.63
INDUSTRIAL, COMMERCIAL UNLIMITED, AC OVER 100 TONS (R1)				
Journeymen	$ 23.25	$ 4.30	$ 2.50	$ 30.05
Foremen	26.74	4.30	2.50	33.54
General Foremen	27.90	4.30	2.50	34.70

(1) Per hour health benefit includes hospitalization, medical and insurance.
(2) Includes heating.
APPRENTICE RATIO:
Construction (R1) - One (1) Apprentice to two (2) Journeymen.
Service (R1) - One (1) Apprentice to one (1) Journeyman.
(R2), (R3), (R4) - One (1) Apprentice to one (1) Journeyman.

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TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
PLUMBERS				
JOURNEYMAN RATIO:				
(one Journeyman to two Apprentices)				
Journeymen	$ 21.87	$ 3.25	$ 1.90	$ 27.02
Foremen	24.49	$ 3.25	$ 1.90	29.64
General Foremen	26.24	$ 3.25	$ 1.90	31.39
Apprentices:				
First year	$ 9.84	$ 2.96	$ -	$ 12.80
Second year	11.48	$ 3.02	$ 1.35	15.85
Third year	13.12	$ 3.07	$ 1.35	17.54
Fourth year	14.76	$ 3.12	$ 1.35	19.23
Fifth year	16.40	$ 3.18	$ 1.35	20.93
Apprentice Applicants:	$ 7.87	$ 1.00	$ -	$ 8.87

APPRENTICE RATIO:
One (1) Journeyman to two (2) Apprentices
(1) Per hour health benefit includes hospitalization, medical and life insurance.

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TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
ROOFERS, WATERPROOFERS & ALLIED WORKERS (2)				
Journeymen Roofers, Damp & Waterproof Workers	$ 14.50	$ 2.75	$ 2.00	$ 19.25
Foreman	15.50	2.75	2.00	20.25
Apprentices (Roofers, D. & W. Workers): (4)				
First Year (1200 Hours)	$ 7.98	$ 2.75	$ 2.00	$ 12.73
Second Year (1200 Hours)	9.43	2.75	2.00	14.18
Third Year (1200 Hours)	10.88	2.75	2.00	15.63

(1) Per hour health benefit includes hospitalization, and medical insurance.

(2) The duties of a Journeyperson shall include all work on the following: (a) Slate & Tile Roofs (b) Composition Roof, (c) All forms of Elastomeric and/or Plastic Roofing System, both sheet & liquid. (d) All Tear-off and /or Removal (of any type of roofing), all spudding, sweeping, vacuuming and/or cleanup of any and all areas of any type where a roof is to be relaid or any materials coming under the scope of jurisdiction as outlined.

APPRENTICE RATIO:
One (1) Apprentice to one (1) Journeyman on tile roofs

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TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
SHEET METAL WORKERS (2)				
Journeymen	$ 21.06	$ 2.79	$ 4.61	$ 28.46
Foremen	23.17	2.79	4.61	30.57
General Foremen	24.22	2.79	4.61	31.62
Apprentices:				
First 6 months	$ 10.53	$ 2.79	$ 4.61	$ 17.93
Second 6 months	11.58	2.79	4.61	18.98
Third 6 months	12.64	2.79	4.61	20.04
Fourth 6 months	13.69	2.79	4.61	21.09
Fifth 6 months	14.74	2.79	4.61	22.14
Sixth 6 months	15.80	2.79	4.61	23.20
Seventh 6 months	16.85	2.79	4.61	24.25
Eighth 6 months	17.90	2.79	4.61	25.30

(1) Per hour health benefit includes hospitalization, medical, dental, and life insurance.

(2) Includes: (a) manufacture, fabrication, assembling, handling, erection, installation, dismantling, all ferrous or nonferrous metal work and all other materials used in lieu thereof and of all air-veyor systems and air-handling systems, regardless of material used including the setting of all equipment and all reinforcements in connection therewith; (b) all lagging over insulation and all duct lining; (c) testing and balancing of all air-handling equipment and duct work; (d) the preparation of all shop and field sketches whether manually drawn or computer assisted used in fabrication and erection, including those taken from original architectural and engineering drawings or sketches; and (e) all other work included in the jurisdictional claims of Sheet Metal Workers' International Association.

APPRENTICE RATIO:

One (1) Apprentice to three (3) Journeymen.

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TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
SIGN/DISPLAY & ALLIED TRADES				
DECORATORS				
Show (Decorators) Journeymen				
Class A	$ 18.00	$ 2.93	$ 2.85	$ 23.78
Class B	12.23	2.93	0.00	15.16
Show Display Workers	9.65	0.00	0.00	9.65
Show Utility Workers	7.50	0.00	0.00	7.50
SIGN/DISPLAY				
Shop (Display)				
Builder Journeymen	$ 15.45	$ 1.50	$ 1.00	$ 17.95
Shop (Display Builders)	12.97	1.50	1.00	15.47
Shop (Sign Painters)				
Journeymen	15.45	2.66	1.00	19.11
Shop (Spray Painters)				
Journeymen	14.22	2.66	1.00	17.88
Seamstresses	9.75	1.50	1.00	12.25

(1) Per hour health benefit includes hospitalization, medical and life insurance.

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TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
SPRINKLER FITTERS				
Construction less than 13 stories and less than 150,000 sq. ft. All warehouses.				
Journeymen	$ 19.80	$ 3.90	$ 3.25	$ 26.95
Foremen (4 or less workers)	20.90	3.90	3.25	28.05
Foremen (5 or more workers)	21.30	3.90	3.25	28.45
Apprentices:				
First year	$ 10.55	$ 3.90	$ 3.25	$ 17.70
Second year	11.60	3.90	3.25	18.75
Third year	12.66	3.90	3.25	19.81
Fourth year	14.85	3.90	3.25	22.00
Fifth year	16.83	3.90	3.25	23.98
Construction 13 stories or more and 150,000 sq. ft. or more.				
Journeymen	$ 21.10	$ 3.90	$ 3.25	$ 28.25
Foremen (4 or less workers)	22.20	3.90	3.25	29.35
Foremen (5 or more workers)	22.60	3.90	3.25	29.75
Gen. Foreman (15 or more workers)	24.10	3.90	3.25	31.25
Apprentices:				
First year	$ 10.55	$ 3.90	$ 3.25	$ 17.70
Second year	11.60	3.90	3.25	18.75
Third year	12.66	3.90	3.25	19.81
Fourth year	15.83	3.90	3.25	22.98
Fifth year	17.94	3.90	3.25	25.09
~~Helper~~	~~$ 8.00~~	~~$ -~~	~~$ -~~	~~$ 8.00~~

(1) Per hour health benefit includes hospitalization, medical, and life insurance.

HELPER RATIO:
One (1) Helper for first two Journeymen, and
One (1) Helper for every additional two Journeymen.

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TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
TEAMSTERS, TRUCKING				
Dispatchers, (Driver Foreman)	$22.56	$4.53	$2.55	$29.64
Truck Driver, (All Equipment)	20.44	4.53	2.55	27.52

(1) Per hour health benefit includes hospitalization, medical and life insurance.

MIAMI DADE COUNTY
ORDINANCE 90-143
WAGE AND BENEFIT SCHEDULE
FIRST QUARTER 2003

"BUILDING CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

For any class of laborers or mechanics which is not listed in the wage determination and which is to be employed under the contract, the required wage rate shall be the combined overall dollar value on an hourly basis of the "basic hourly rate of pay" (as defined in 29 C.F.R. Section 5.24) and of the fringe benefits payments for hospitalization, medical, pension and life insurance for such class under the United States Secretary of Labor's applicable Davis -Bacon wage determination in effect for Dade County.

Questions concerning the comparability of worker classifications or the applicability of Davis-Bacon classification shall be determined by the County.

Please Contact:

The Department of Business Development
Contract Review and Compliance Division
140 West Flagler Street
11th Floor Suite # 1107
Miami, Florida 33130
Phone Number: (305) 375-3377
Fax Number: (305) 375-2343

MIAMI DADE COUNTY
ORDINANCE 90-143
WAGE AND BENEFIT SCHEDULE
FIRST QUARTER 2003

"HEAVY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
BOILERMAKERS, IRON SHIP BUILDERS, BLACKSMITHS & FORGERS (2)				
Journeymen	$ 26.05	$ 4.65	$ 5.00	$ 35.70
Foremen	27.80	4.65	5.00	37.45
General Foremen	29.80	4.65	5.00	39.45
Apprentices:				
1st Period	$ 19.73	$ 4.65	$ 4.07	$ 28.45
2nd Period	20.99	4.65	4.07	29.71
3rd Period	22.26	4.65	4.07	30.98
4th Period	23.54	4.65	4.07	32.26
5th Period	24.79	4.65	4.07	33.51
6th Period	24.79	4.65	5.00	34.44
Subjourneyman				
1000 Hours Plus	$ 17.50	$ 3.95	$ 0.25	$ 21.70
s than 1000 Hours	17.50	-	0.25	17.75

(1) Per hour health benefit includes hospitalization, medical and life insurance. (Applies to all trade classifications).

(2) Includes welders, acetylene burners, riveters, chippers, caulkers, riggers, grinders, reamers, and impact machine operators employed incident to boiler making work.

APPRENTICE RATIO:
30% of the work force may be made up of Apprentices.

MIAMI DADE COUNTY
ORDINANCE 90-143
WAGE AND BENEFIT SCHEDULE
FIRST QUARTER 2003

"HEAVY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
BRICKLAYERS & ALLIED CRAFTSMEN (2)				
Journeymen	$ 18.50	$ 2.80	$ 1.15	$ 22.45
Foremen	19.50	2.80	1.15	23.45
General Foremen	21.45	2.80	1.15	25.40
Apprentices:				
First 6 months	$ 12.02	$ 2.80	$ 1.15	$ 15.97
Second 6 months	12.95	2.80	1.15	16.90
Third 6 months	13.87	2.80	1.15	17.82
Fourth 6 months	14.80	2.80	1.15	18.75
Fifth 6 months	15.72	2.80	1.15	19.67
Sixth 6 months	16.65	2.80	1.15	20.60

(1) Per hour health benefit includes hospitalization, medical, and life insurance.

(2) Rates include Residential, Building, Heavy Construction and Highway work as described in USDOL, Employment Standards Administration, Memorandum No. 130

Includes brick, stone, artificial, cement and marble masonry, plastering, marble, mosaic, terrazzo work, tile layer's work, cement or concrete blocklaying and pointing, caulking, grouting and cleaning of materials used in this work, together with any and all materials, natural or artificial, rough or cultured; whether quarried, manufactured or any substitute or replacement; precast erectors, pool specialist and roof deck applicators.

APPRENTICE RATIO:
One (1) Apprentice to two (2) Journeymen, if an average of two (2) Journeymen have been employed for One (1) year immediately prior to employment of the Apprentice.
One (1) Apprentice to three (3) Journeymen if working on the same job.

NXT 5272

PSC 6935

MIAMI DADE COUNTY
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"HEAVY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
CARPENTERS /JOINERS/LATHER(2)				
Journeymen	$ 17.00	$ 3.15	$ 1.05	$ 21.20
Foremen (15 or less workers)	18.00	3.15	1.05	22.20
Foremen (16 or more workers)	18.50	3.15	1.05	22.70
Apprentices (Carpenters, Carpet Workers and Interior Specialist):				
First 6 months	$ 10.41	3.15	1.05	$ 14.61
Second 6 months	11.27	3.15	1.05	15.47
Third 6 months	12.14	3.15	1.05	16.34
Fourth 6 months	13.01	3.15	1.05	17.21
Fifth 6 months	13.88	3.15	1.05	18.08
Sixth 6 months	14.74	3.15	1.05	18.94
Seventh 6 months	15.71	3.15	1.05	19.91
Eighth 6 months	16.13	3.15	1.05	20.33
CARPET WORKERS				
urneymen	$ 17.25	3.15	1.05	$ 21.45
oremen (12 or less workers)	18.25	3.15	1.05	22.45
eman (13 or more workers)	18.75	3.15	1.05	22.95

(1) Per hour health benefit includes hospitalization, medical, and life insurance.

(2) Includes prefabrication or construction of forms for footing or foundations buildings, structures of all descriptions, whether made of wood, metal, plastic or any other type of material, the erecting of structural parts of a building, or structure made of wood or any substitute such as plastics or composition materials, that puts together roofs, partitions, fabricates or erects forms for decking or other structural parts of a building, or any structure, and dismantling of all forms. All framing in connection with the setting of metal columns. The settings of all forms, centers and bulkheads, the fabrication and setting of screeds and stakes for concrete and mastic floors where the screed is notched or fitted or made up of more than one. The making and setting of all forms used in concrete work.

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FIRST QUARTER 2003

"HEAVY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE

NOTE:
When the term CARPENTER AND JOINER is used, it shall mean all the sub-divisions of the trade consists of the milling, fashioning, joining, assembling, erecting, fastening or dismantling of all material of wood, plastic, metal, fiber, cork and composition, and all other substitute.

When five (5) or more workers are employed on a job, one (1) worker shall be a foreman.
Add $0.50 per hour to the per hour wage rate when work is done on swinging scaffolds, boatswains chairs or any like device.

APPRENTICE RATIO:
Two (2) Apprentices to Three (3) Journeymen.

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"HEAVY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
ELECTRICAL WORKERS(1)				
UNDER TWO (2) MILLION (Electrical portion of Contract)				
Journeymen:				
Wiremen	$ 20.75	$ 3.65	$ 2.26	$ 26.66
Cable Splicers	21.25	3.65	2.30	27.20
Welders	21.25	3.65	2.30	27.20
Foremen	22.83	3.65	2.43	28.91
General Foremen	24.90	3.65	2.59	31.14
Apprentices:				
First year	$ 11.00	$ 3.65	$ 1.48	$ 16.13
Second year	11.60	3.65	1.53	16.78
Third year	12.85	3.65	1.63	18.13
Fourth year	14.00	3.65	1.72	19.37
Fifth year	16.00	3.65	1.88	21.53
OVER TWO (2) MILLION (Electrical portion of Contract)				
Journeymen:				
Wiremen	$ 23.21	$ 3.65	$ 2.46	$ 29.32
Cable Splicers	23.71	3.65	2.50	29.86
Welders	23.71	3.65	2.50	29.86
Foremen	25.53	3.65	2.64	31.82
General Foremen	27.85	3.65	2.83	34.33
Apprentices (same rates as above)				

(1) Includes: Installation, repair, alter, add or change any electrical wire fixtures, appliance apparatus, raceways conduit or a part there of which generates, transmits, transforms or utilizes electrical energy in any form for heat, light, or power including the electrical installations within plants and sub-stations, additionally, work of installing a low voltage fire alarm systems.

APPRENTICE RATIO:
One (1) Apprentice to three (3) Journeymen.
NOTE: Add $1.50 per hour to the per hour wage rate for Journeymen working in hazardous locations.

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"HEAVY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
ELECTRICAL WORKER (ELECTRIC SIGN)				
Journeymen:				
Electric Sign	$19.90	$3.65	$2.19	25.74
Foremen	$21.89	$3.65	$2.35	27.89
General Foremen	$23.88	$3.65	$2.51	30.04
Apprentices:				
First Year	$10.90	$3.65	$1.47	16.02
Second Year	$11.50	$3.65	$1.52	16.67
Third Year	$12.70	$3.65	$1.62	17.97
Fourth Year	$13.95	$3.65	$1.72	19.32
Fifth Year	$15.80	$3.65	$1.86	21.31

Hazard Pay: add $1.75, one dollar and seventy five cents to the per hour rate Journeyman.

APPRENTICE RATIO: One Apprentice to three Journeymen.

Includes: installation repair, addition, or changes of any illuminated sign, non-illuminated sign, or luminous tubes. Any electrical wire, fixtures, appliance apparatus, raceway, conduit, or any part thereof which transmits transfers or utilizes electrical energy in any form for heat, light, or power.

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"HEAVY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
LABORERS, HEAVY CONSTRUCTION, RAILROAD CONTRACTORS, & UTILITIES CONTRACTORS (1)				
Construction Laborer (2)	$ 9.80	$ 1.77	$ 1.25	$ 12.82
Landscape Laborer (2)	9.80	1.77	1.25	12.82
Construction Specialist (3)	12.00	1.77	1.25	15.02
Pipelayer	12.00	1.77	1.25	15.02
Hazardous Waste Specialist (3)	12.00	1.77	1.25	15.02
Laborer Concrete Specialist (3)	12.00	1.77	1.25	15.02
Landscape Maintenance Laborer	9.45	1.77	1.25	12.47

(1) Per hour health benefit includes hospitalization, medical and life insurance.

Contractors doing jobsites, such as Pipelaying, Drainage, Concrete Curbs, and Gutters, Sidewalks, Slabs, all Paving and preparations for paving both in and under the building, parking garages or in buildings where garages exist under the buildings. *All Site Prep such as dirt filling, excavation, seawalls, bulkheads, landscaping* ition, all soakage pits, septic tanks, French Drains or other drainage, back filling or work so designated Heavy Construction Engineering work.

neral laborers work include unloading and stockpiling on the ground plastering and/or masonry material

(3) Semi-skilled/Specialist classifications shall include all tenders (mason and plasterers), pipelayers (concrete and clay) laborers engaged in concreting on all slip form operation, mortar and power tools operators on all equipment coming under the jurisdiction of the Laborers International Union of North America, AFL-CIO. Tenders shall be define as experienced men having regular specialized duties requiring a knowledge of methods and material relating to their work and actively engaged in tending the crafts listed above.

NOTE:
Add $0.50 per hour to the per hour wage rate if power tools are used.
Add $0.50 per hour to the per hour wage rate for water truck driver.
~~Add $0.25 per hour to the per hour wage rate if freshly creosoted lumber~~
or hot mastic materials are handled.

NXT 5277

PSC 6940

MIAMI DADE COUNTY
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"HEAVY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
OPERATING ENGINEERS, HEAVY CONSTRUCTION (Includes all work except Building Work or Highway Construction)				
CLASS A Cranes and Derricks; Hoists (2&3 drum only); Grader, Finish; Drill Rig, Truck Mounted (Watson Class)	$ 21.88	$ 2.60	$ 1.00	$ 25.48
CLASS B Draglines; Graders, Sub-Grade; Concrete Pump (Truck mounted and placing booms); Drill Rigs, Truck Mounted (Sterling Class)	19.23	2.60	1.00	22.83
CLASS C Backhoes (track, rubber tires etc.); Bulldozers; Hyd. Crane (under 15 tons); Pavement Breakers; Travel Lift or Straddle Buggy; Trenching Machine; Gradall; Front-end Loaders and "Bobcats"; Welder; Mechanic	18.30	2.60	1.00	21.90
CLASS D Batching Plant; Boring Machine; Concrete Pumps (trailer mounted); Hoists (electric, hyd., air) personnel, material, tugger; Inside Elevators (temporary only); Forklift	16.95	2.60	1.00	20.55

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"HEAVY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
OPERATING ENGINEERS, HEAVY CONSTRUCTION				
Spreading/Finishing Machine All other power equipment not specified				
CLASS E Rollers Compressor (over 250 CFM) Utility Oper. (less than 6 pcs. equip.) Pumps/Dewatering (4"+) Tractors Driver (misc trucks) Welding Machines (3 or more) Scrapers & Off-Road Trucks	$ 15.90	$ 2.60	$ 1.00	$ 19.50
CLASS F Oiler/Driver, Truck Crane	16.15	2.60	1.00	19.75
CLASS G Oiler/Crawler Crane Mechanic Helper	14.70	2.60	1.00	18.30
Apprentices: Must be under supervision of a Journeyman (Ratio (3) apprentices to (1) Journeyman)				
First 6 months	$ 9.27	$ 2.60	$ 1.00	$ 12.87
Second 6 Months	$ 10.20	$ 2.60	$ 1.00	$ 13.80
Third 6 months	$ 11.12	$ 2.60	$ 1.00	$ 14.72
Fourth 6 months	$ 12.05	$ 2.60	$ 1.00	$ 15.65
Fifth 6 months	$ 13.90	$ 2.60	$ 1.00	$ 17.50
Sixth 6 month	$ 15.76	$ 2.60	$ 1.00	$ 19.36

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"HEAVY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
PAINTERS & ALLIED TRADES				
Journeymen Painters; Brush, rollers, spray;	$ 13.25	$ 2.10	$ 0.90	$ 16.25
Steel, Swing / Stage, Tanks, Lead/ Asbestos Abatement Power Facilities, Catalyzed Epoxies, Urethanes, HIPAC Coatings Etc..	18.00	2.10	0.90	21.00
Bridges, Nuclear Power Sites:	18.00	2.10	0.90	21.00
Apprentices:				
First 6 months	8.61	2.10	0.10	10.81
Second 6 months	9.28	2.10	0.10	11.48
Third 6 months	9.93	2.10	0.10	12.13
Fourth 6 months	10.60	2.10	0.10	12.80
Fifth 6 months	11.26	2.10	0.10	13.46
Sixth 6 months	11.92	2.10	0.10	14.12
Seventh 6 months	12.58	2.10	0.10	14.78
Eighth 6 months	12.58	2.10	0.10	14.78

Chargeperson; (working up to 5 employees; add .75 per hour)
Chargeperson; (working 6 or more employees; add 1.00 per hour)
General Foreman; 1.00 per hour above highest paid chargeperson.

(1) Per hour health benefit includes hospitalization, medical and life insurance.

MIAMI DADE COUNTY
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"HEAVY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE

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"HEAVY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
PILEDRIVERS, BRIDGE CARPENTERS & DIVERS (2)				
Journeymen Piledrivers and Bridge Carpenters	$ 18.85	$ 2.80	$ 3.05	$ 24.70
Foremen (10 or less workers)	20.85	2.80	3.05	26.70
Foremen (11 or more workers)	21.10	2.80	3.05	26.95
Journeymen Divers	21.35	$ 2.80	$ 3.05	27.20
Foremen (10 or less workers)	23.35	2.80	3.05	29.20
Foremen (11 or more workers)	25.35	2.80	3.05	31.20
Diver Tenders	18.85	2.80	3.05	24.70
Apprentices:				
First year	9.43	$ 2.80	$ 3.05	15.28
Second Year	11.31	2.80	3.05	17.16
Third Year	14.14	2.80	3.05	19.99
Fourth Year	16.97	2.80	3.05	22.82

Per hour health benefit includes hospitalization, medical, and life insurance.

Includes all work historically related to piledrivers, welders, drillers, burners, riggers, divers, bridge, deck and wharf builders, signaling, and highway construction. Such work includes, but is not limited to, the following kinds, classes, or descriptions of work: fabricating, erecting, dismantling, unloading, moving, spotting, and handling of all piledriving equipment on the jobsite; anchoring, bolting, boom-tending, bracing, building, burning, capping, caulking, cutting, dismantling, drilling, erecting, fabricating, fitting, handling, lagging, loading, moving, plumbing, rafting, securing, signaling, spotting, welding, wrapping, and tying back, unloading and removing, all materials of any kind, make shape or composition, whether prestressed or poststressed concrete, pipe, corrugated shell where power rigging is used, sand piles, sheet piles, auger cast type piling, wood, plastic, fiberglass, steel or any metal or synthetic which is used or installed in, or for, the building,construction, alteration, maintenance, or repair of wharfs, bridges, docks, piers, bulkheads, trestles, cofferdams, tunnels, seawalls, seawall caps, boardwalks, deck, and temporary flotation devices; weights for piers, caissons, and test piles; splicing, heading, placing of stringers for frame work, fabrication and placing of walling, spring fender lines of any material described above; spotting, aligning, monitoring, plumbing, and leveling, of all drilling equipment whether the drilling is vertical, diagonal, on land or water, and is performed by equipment mounted on trucks, cranes, platforms, or barges, or any kind of mounted or self-contained water or land unit; and the handling, loading, unloading, changing, setting up, repairing, welding, or maintenance of the drilling equipment on the jobsite; the fabrication and placing of all decking and guards on all docks, wharfs, and piers on the jobsite; and all underwater work incidental to piledriving and bridge carpentry.

APPRENTICE RATIO: One (1) Apprentice to three (3) Journeymen.

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"HEAVY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
PIPEFITTERS, AIR CONDITIONING & REFRIGERATION (2)				
RESIDENTIAL, LIGHT COMMERCIAL, AC UP TO 5 TONS (R4)				
Journeymen	$ 12.45	$ 3.65	$ -	$ 16.10
Foremen	14.31	3.65	0.00	17.96
General Foremen	14.94	3.65	0.00	18.59
Apprentices:				
First Year (Probationary)	$ 11.98	$ -	$ -	$ 11.98
Second year	13.17	3.65	0.00	16.82
Third year	14.37	3.65	0.00	18.02
Fourth year	17.96	3.65	1.00	22.61
Fifth year	20.36	3.65	1.00	25.01
Pretrainee	9.58	0.00	0.00	9.58
COMMERCIAL, AC UP TO 20 TONS (R3)				
Journeymen	$ 18.92	$ 3.65	$ 1.50	$ 24.07
Foremen	21.75	3.65	1.50	26.90
General Foremen	22.70	3.65	1.50	27.85
INDUSTRIAL, COMMERCIAL, AC UP TO 100 TONS (R2)				
Journeymen	$ 22.39	$ 3.90	$ 2.00	$ 28.29
Foremen	25.75	3.90	2.00	31.65
General Foremen	26.87	3.90	2.00	32.77
INDUSTRIAL, COMMERCIAL, AC OVER 100 TONS (R1)				
Journeymen	$ 23.95	$ 3.90	$ 2.25	$ 30.10
Foremen	27.54	3.90	2.25	33.69
General Foremen	28.74	3.90	2.25	34.89

(1) Per hour health benefit includes hospitalization, medical and insurance.
(2) Includes heating.
APPRENTICE RATIO:
Construction (R1) - One (1) Apprentice to two (2) Journeymen.
Service (R1) - One (1) Apprentice to one (1) Journeyman.
(R2), (R3), (R4) - One (1) Apprentice to one (1) Journeyman.

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"HEAVY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
SHEET METAL WORKERS (2)				
Journeymen	$ 24.34	$ 2.79	$ 4.61	$ 31.74
Foremen	27.99	2.79	4.61	35.39
General Foremen	29.20	2.79	4.61	36.60
Apprentices:				
First 6 months	$ 12.17	$ 2.79	$ 4.61	$ 19.57
Second 6 months	13.39	2.79	4.61	20.79
Third 6 months	14.60	2.79	4.61	22.00
Fourth 6 months	15.82	2.79	4.61	23.22
Fifth 6 months	17.04	2.79	4.61	24.44
Sixth 6 months	18.26	2.79	4.61	25.66
Seventh 6 months	19.47	2.79	4.61	26.87
Eighth 6 months	20.67	2.79	4.61	28.07

(1) Per hour health benefit includes hospitalization, medical, dental, and life insurance.

(2) Includes: (a) manufacture, fabrication, assembling, handling, erection, installation, dismantling, all ferrous or nonferrous metal work and all other materials used in lieu thereof and of all air-veyor systems and air-handling systems, regardless of material used including the setting of all equipment and all reinforcements in connection therewith; (b) all lagging over insulation and all duct lining; (c) testing and balancing of all air-handling equipment and duct work; (d) the preparation of all shop and field sketches whether manually drawn or computer assisted used in fabrication and erection, including those taken from original architectural and engineering drawings or sketches; and (e) all other work included in the jurisdictional claims of Sheet Metal Workers' International Association.

APPRENTICE RATIO:
One (1) Apprentice to three (3) Journeymen.

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TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
TEAMSTERS, TRUCKING				
Dispatchers, (Driver Foreman)	$ 22.56	$ 4.53	$ 2.55	$ 29.64
Truck Drivers, (All Equipment)	20.44	4.53	2.55	27.52

(1) Per hour health benefit includes hospitalization, medical and life insurance.

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TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

For any class of laborers or mechanics which is not listed in the wage determination and which is to be employed under the contract, the required wage rate shall be the combined overall dollar value on an hourly basis of the "basic hourly rate of pay" (as defined in 29 C.F.R. Section 5.24) and of the fringe benefits payments for hospitalization, medical, pension and life insurance for such class under the United States Secretary of Labor's applicable Davis -Bacon wage determination in effect for Dade County.

Questions concerning the comparability of worker classifications or the applicability of Davis-Bacon classification shall be determined by the County

Please Contact:

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Contract Review and Compliance Division
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MIAMI DADE COUNTY
ORDINANCE 98-143
WAGE AND BENEFIT SCHEDULE
FIRST QUARTER 2003

"HIGHWAY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
BRICKLAYERS & ALLIED CRAFTSMEN (2)				
Journeymen	$ 18.50	$ 2.80	$ 1.15	$ 22.45
Foremen	19.50	2.80	$ 1.15	23.45
General Foremen	21.45	2.80	$ 1.15	25.40
Apprentices:				
First 6 months	$ 12.02	$ 2.80	$ 1.15	$ 15.97
Second 6 months	12.95	2.80	$ 1.15	16.90
Third 6 months	13.87	2.80	$ 1.15	17.82
Fourth 6 months	14.80	2.80	$ 1.15	18.75
Fifth 6 months	15.72	2.80	$ 1.15	19.67
Sixth 6 months	16.65	2.80	$ 1.15	20.60

(1) Per hour health benefit includes hospitalization, medical, and life insurance.

(2) Rates include Residential, Building, Heavy Construction and Highway work as described in USDOL, Employment Standards Administration, Memorandum No. 130

Includes brick, stone, artificial, cement and marble masonry, plastering, marble, mosaic, terrazzo work, tile layer's work, cement or concrete blocklaying and pointing, caulking, grouting and cleaning of materials used in this work, together with any and all materials, natural or artificial, rough or cultured; whether quarried, manufactured or any substitute or replacement, precast erectors, pool specialist and roof deck applicators.

APPRENTICE RATIO:

One (1) Apprentice to two (2) Journeymen, if an average of two (2) Journeymen have been employed for One (1) year immediately prior to employment of the Apprentice.
One (1) Apprentice to three (3) Journeymen if working on the same job.

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CARPENTERS /JOINERS/LATHER(2)				
Journeymen	$ 17.00	$ 3.15	$ 1.05	$ 21.20
Foremen (15 or less workers)	18.00	3.15	1.05	22.20
Foremen (16 or more workers)	18.50	3.15	1.05	22.70
Apprentices (Carpenters and Carpet Workers):				
First 6 months	$ 10.41	3.15	1.05	$ 14.61
Second 6 months	11.27	3.15	1.05	15.47
Third 6 months	12.14	3.15	1.05	16.34
Fourth 6 months	13.01	3.15	1.05	17.21
Fifth 6 months	13.88	3.15	1.05	18.08
Sixth 6 months	14.74	3.15	1.05	18.94
Seventh 6 months	15.71	3.15	1.05	19.91
Eighth 6 months	16.13	3.15	1.05	20.33
CARPET WORKERS				
Journeymen	$ 17.25	3.15	1.05	$ 21.45
Foremen (12 or less workers)	18.25	3.15	1.05	22.45
Foremen (13 or more workers)	18.75	3.15	1.05	22.95

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TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE

(1) Per hour health benefit includes hospitalization, medical, and life insurance.

(2) Includes prefabrication or construction of forms for footing or foundations buildings, structures of all descriptions, whether made of wood, metal, plastic or any other type of material, the erecting of structural parts of a building, or structure made of wood or any substitute such as plastics or composition materials, that puts together roofs, partitions, fabricates or erects forms for decking or other structural parts of a building, or any structure, and dismantling of all forms. All framing in connection with the setting of metal columns. The settings of all forms, centers and bulkheads, the fabrication and setting of screeds and stakes for concrete and mastic floors where the screed is notched or fitted or made up of more than one. The making and setting of all forms used in concrete work.

NOTE:
When the term CARPENTER AND JOINER is used, it shall mean all the sub-divisions of the trade consists of the milling, fashioning, joining, assembling, erecting, fastening or dismantling of all material of wood, plastic. metal. fiber. cork and composition, and all other substitute.

When five (5) or more workers are employed on a job, one (1) worker shall be a foreman.
I $0.50 per hour to the per hour wage rate when work is done on swinging scaffolds, boatswains chairs or any like device.

APPRENTICE RATIO:
Two (2) Apprentices to Three (3) Journeymen.

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TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
ELECTRICAL WORKERS (1)				
UNDER TWO (2) MILLION (Electrical portion of Contract)				
Journeymen:				
Wiremen	$ 20.75	$ 3.65	$ 2.26	$ 26.66
Cable Splicers	21.25	3.65	2.30	27.20
Welders	21.25	3.65	2.30	27.20
Foremen	22.83	3.65	2.43	28.91
General Foremen	24.90	3.65	2.59	31.14
Apprentices:				
First year	$ 11.00	$ 3.65	$ 1.48	$ 16.13
Second year	11.60	3.65	1.53	16.78
Third year	12.85	3.65	1.63	18.13
Fourth year	14.00	3.65	1.72	19.37
Fifth year	16.00	3.65	1.88	21.53
OVER TWO (2) MILLION (Electrical portion of Contract)				
Journeymen:				
Wiremen	$ 23.21	$ 3.65	$ 2.46	$ 29.32
Cable Splicers	23.71	3.65	2.50	29.86
Welders	23.71	3.65	2.50	29.86
Foremen	25.53	3.65	2.64	31.82
General Foremen	27.85	3.65	2.83	34.33
Apprentices (same rates as above)				

(1) Includes: installation, repair, alter, add or change any electrical wire fixtures, appliance apparatus, raceways conduit or a part there of which generates, transmits, transforms or utilizes electrical energy in any form for heat, light, or power including the electrical installations within plants and sub-stations, additionally, work of installing a low voltage fire alarm systems.

APPRENTICE RATIO:
One (1) Apprentice to three (3) Journeymen.
NOTE: Add $1.50 per hour to the per hour wage rate for Journeymen working in hazardous locations.

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"HIGHWAY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
ELECTRICAL WORKER (ELECTRIC SIGN)				
Journeymen:				
Electric Sign	$19.90	$3.65	$2.19	[redacted]
Foremen	$21.89	$3.65	$2.35	[redacted]
General Foremen	$23.88	$3.65	$2.51	[redacted]
Apprentices:				
First Year	$10.90	$3.65	$1.47	[redacted]
Second Year	$11.50	$3.65	$1.52	[redacted]
Third Year	$12.70	$3.65	$1.62	[redacted]
Fourth Year	$13.95	$3.65	$1.72	[redacted]
Fifth Year	$15.80	$3.65	$1.86	[redacted]

Hazard Pay: add $1.75, one dollar and seventy five cents to the per hour rate for Journeyman.

APPRENTICE RATIO: One Apprentice to three Journeymen.

Includes: installation repair, addition, or changes of any illuminated sign, non-illuminated sign, or luminous tubes. Any electrical wire, fixtures, appliance apparatus, raceway, conduit, or any part thereof which transmits transfers or utilizes electrical energy in any form for heat, light, or power.

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FIRST QUARTER 2003

"HIGHWAY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION		PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
IRONWORKERS (2)					
Journeymen		$ 19.25	$ 2.65	$ 1.78	$ 23.68
Foremen		20.50	2.65	1.78	24.93
General Foremen		22.25	2.65	1.78	26.68
Apprentices: (3)					
First 6 months	(1000 Hours)	$ 11.55	$ 2.65	$ -	$ 14.20
Second 6 months	(1000 Hours)	12.51	2.65	0.00	15.16
Third 6 months	(1000 Hours)	13.48	2.65	0.00	16.13
Fourth 6 months	(1000 Hours)	14.44	2.65	0.00	17.09
Fifth 6 months	(1000 Hours)	15.40	2.65	0.00	18.05
Sixth 6 months	(1000 Hours)	16.36	2.65	0.00	19.01
Seventh 6 months	(1000 Hours)	17.33	2.65	0.00	19.98
Eighth 6 months	(1000 Hours)	18.29	2.65	0.00	20.94

Diving pay 0 to 33 feet deep add Journeyman wages plus $3.00
Diving pay 33 to 66 feet deep add Journeyman wages plus $5.00

(1) Per hour health benefit includes hospitalization, medical and life insurance.

(2) Includes erection and installation of all bridges, structural, ornamental, reinforcing, posttentioning and miscellaneous irons; including but not limited to the following: bridges (all types), rails, cables, catwalks and miscellaneous metals; structural (all types), bar joists, corrugated sheets on steel decking, monorails, prefabricated metal buildings, bridging, skylights, space frames, stairs, towers, hoists (all types), standing seam metal roofs, heavy rigging, ornamental iron, gates, art work, and fences; reinforcing and posttentioning (all types), rebar, cables and wire mesh; curtain walls, window walls, sealants and caulking, precast and tilt walls, ribbon wall systems, cladding, column covers, electric and manual doors (all types), elevator fronts, store fronts, escalators and trim, windows, fencing (all types), handrails, hardware and screens, rolling overhead doors, cranes and hoists, conveyors (all types), and all miscellaneous metals.

(3) Apprentices must be registered with a certified State of Florida Department of Labor - Bureau of Apprenticeship and Training Program

APPRENTICE RATIO: 33 1/3% of the work force may be Apprentices.

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TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
LABORERS, HIGHWAY CONSTRUCTION				
Construction Laborer (2)	$ 9.80	$ 1.77	$ 1.25	$ 12.82
Landscape Laborer (2)	9.80	1.77	1.25	12.82
Labor Foreman	11.30	1.77	1.25	14.32
Construction Specialist (3)	12.00	1.77	1.25	15.02
Pipelayer	12.00	1.77	1.25	15.02
Hazardous Waste Specialist (3)	12.00	1.77	1.25	15.02
Laborer Concrete Specialist (4)	12.00	1.77	1.25	15.02

(1) Per hour health benefit includes hospitalization, medical and life insurance.

(2) Construction laborers work include unloading and stockpiling on the ground plastering and/or masonry material

(3) Construction Specialist classifications shall include all tenders (mason and plasterers), pipelayers (concrete and clay) laborers engaged in concreting on all slip form operation, mortar and power tools operators on all equipment ing under the jurisdiction of the Laborers International Union of North America, AFL-CIO. Tenders shall be ...ine as experienced men having regular specialized duties requiring a knowledge of methods and material ...g to their work and actively engaged in tending the crafts listed above.

(4) Laborer Concrete Specialist classification shall include the preparation, pouring, placing, spreading rodding and finishing of cement or concrete on highways, roads, streets and airport runways.

NOTE:
Add $0.50 per hour to the per hour wage rate if power tools are used.
Add $0.50 per hour to the per hour wage rate for water truck driver.
~~Add $0.25 per hour to the per hour wage rate if freshly creosoted lumber~~
or hot mastic materials are handled.

BF- 4.67

NXT 5293

PSC 6956

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TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
PAINTERS & ALLIED TRADES				
Journeymen Painters; Brush, rollers, spray:	$ 13.25	$ 2.10	$ 0.90	$ 16.25
Steel, Swing / Stage, Tanks, Lead/ Asbestos Abatement Power Facilities, Catalyzed Epoxies, Urethanes, HIPAC Coatings Etc..	18.00	2.10	0.90	21.00
Bridges, Nuclear Power Sites:	18.00	2.10	0.90	21.00
Apprentices:				
First 6 months	8.61	2.10	0.10	10.81
Second 6 months	9.28	2.10	0.10	11.48
Third 6 months	9.93	2.10	0.10	12.13
Fourth 6 months	10.60	2.10	0.10	12.80
Fifth 6 months	11.26	2.10	0.10	13.46
[illegible]th 6 months	11.92	2.10	0.10	14.12
[illegible]eventh 6 months	12.58	2.10	0.10	14.78
[illegible]th 6 months	12.58	2.10	0.10	14.78

Chargeperson; (working up to 5 employees; add .75 per hour)
Chargeperson; (working 6 or more employees; add 1.00 per hour)
General Foreman; 1.00 per hour above highest paid chargeperson.

(1) Per hour health benefit includes hospitalization, medical and life insurance.

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TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
PILEDRIVERS, BRIDGE CARPENTERS & DIVERS (2)				
Journeymen Piledrivers and Bridge Carpenters	$ 18.85	$ 2.80	$ 3.05	$ 24.70
Foremen (10 or less workers)	20.85	$ 2.80	3.05	26.70
Foremen (11 or more workers)	21.10	2.80	3.05	26.95
Journeymen Divers	21.35	$ 2.80	3.05	27.20
Foremen (10 or less workers)	23.35	2.80	3.05	29.20
Foremen (11 or more workers)	25.35	2.80	3.05	31.20
Diver Tenders	18.85	2.80	3.05	24.70
Apprentices:				
First year	9.43	$ 2.80	3.05	15.28
Second Year	11.31	2.80	3.05	17.16
Third Year	14.14	2.80	3.05	19.99
Fourth Year	16.97	2.80	3.05	22.82

Per hour health benefit includes hospitalization, medical, and life insurance.

(2) Includes all work historically related to piledrivers, welders, drillers, burners, riggers, divers, bridge, deck and wharf builders, signaling, and highway construction. Such work includes, but is not limited to, the following kinds, classes, or descriptions of work: fabricating, erecting, dismantling, unloading, moving, spotting, and handling of all piledriving equipment on the jobsite; anchoring, bolting, boom-tending, bracing, building, burning, capping, caulking, cutting, dismantling, drilling, erecting, fabricating, fitting, handling, lagging, loading, moving, plumbing, rafting, securing, signaling, spotting, welding, wrapping, and tying back, unloading and removing, all materials of any kind, make shape or composition, whether prestressed or poststressed concrete, pipe, corrugated shell where power rigging is used, sand piles, sheet piles, auger cast type piling, wood, plastic, fiberglass, steel or any metal or synthetic which is used or installed in, or for, the building, construction, alteration, maintenance, or repair of wharfs, bridges, docks, piers, bulkheads, trestles, cofferdams, tunnels, seawalls, seawall caps, boardwalks, deck, and temporary flotation devices; weights for piers, caissons, and test piles; splicing, heading, placing of stringers for frame work, fabrication and placing of walling, spring fender lines of any material described above; spotting, aligning, monitoring, plumbing, and leveling, of all drilling equipment whether the drilling is vertical, diagonal, on land or water, and is performed by equipment mounted on trucks, cranes, platforms, or barges, or any kind of mounted or self-contained water or land unit; and the handling, loading, unloading, changing, setting up, repairing, welding, or maintenance of the drilling equipment on the jobsite; the fabrication and placing of all decking and guards on all docks, wharfs, and piers on the jobsite; and all underwater work incidental to piledriving and bridge carpentry.

APPRENTICE RATIO: One (1) Apprentice to three (3) Journeymen.

NXT 5295

PSC 6958

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"HIGHWAY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
POWER EQUIPMENT OPERATORS				
DAVIS-BACON WAGE DECISION FL 020044/HIGHWAY (03/01/02)				
Asphalt Distributor	$ 8.67	$ -	$ -	$ 8.67
Asphalt Paving Machine Operator	10.48	0.00	0.00	10.48
Asphalt Screed	9.22	0.00	0.00	9.22
Backhoe	11.27	0.00	0.00	11.27
Boom-Auger Operator	10.14	0.00	0.00	10.14
Bulldozer	10.40	0.00	0.00	10.40
Concrete Joint Saw	11.86	0.00	0.00	11.86
Concrete Curb Machine	10.93	0.00	0.00	10.93
Crane, Derrick, or Dragline	13.59	0.00	0.00	13.59
Earthmover	9.57	0.00	0.00	9.57
Forklift Operator	8.00	0.00	0.00	8.00
Front End Loader:				
'1 cu. yard and under	9.29	0.00	0.00	9.29
Over 1 cu. yard	9.68	0.00	0.00	9.68
Grademan	7.64	0.00	0.00	7.64
adall	10.50	0.00	0.00	10.50
rdrail Post Driver Operator	10.75	0.00	0.00	10.75
anic	12.00	0.00	0.00	12.00
Milling Machine	8.71	0.00	0.00	8.71
Milling Machine Grade Checker	7.78	0.00	0.00	7.78
Motor Grader	11.52	0.00	0.00	11.52
Mulching Machine	7.75	0.00	0.00	7.75
Oiler, Grease Man	12.21	0.00	0.00	12.21
Pavement Striping Machine	9.34	0.00	0.00	9.34
Pavement Striping Machine:				
Nozzlemen	7.91	0.00	0.00	7.91
Piledrivers:				
Leadman	14.77	0.00	0.00	14.77
Operator	13.71	0.00	0.00	13.71
Power Subgrade Mixer	8.50	0.00	0.00	8.50
Rollers:				
Finish	9.18	0.00	0.00	9.18
Rough	7.66	0.00	0.00	7.66

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TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
POWER EQUIPMENT OPERATORS Cont'd....				
DAVIS-BACON WAGE DECISION FL 020044/HIGHWAY (03/01/02)				
Self Prop. Rubber Tire	$ 9.20	$ -	$ -	$ 9.20
Scrapers	7.55	0.00	0.00	7.55
Sign Erector	11.65	0.00	0.00	11.65
Small Tool Operator	8.05	0.00	0.00	8.05
Tractor, Light	7.83	0.00	0.00	7.83
Trenching Machine	8.19	0.00	0.00	8.19
Widening Spreader Machine	8.50	0.00	0.00	8.50

NXT 5297

PSC 6960

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TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
TEAMSTERS, HIGHWAY CONSTRUCTION (2)				
Truck Drivers	$ 12.65	$ 1.35	$ 0.80	$ 14.80

(1) Per hour health benefit includes hospitalization, medical and life insurance.
(2) As per agreement with Marks Brothers Company

NXT 5298

PSC 6961

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TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.				

For any class of laborers or mechanics which is not listed in the wage determination and which is to be employed under the contract, the required wage rate shall be the combined overall dollar value on an hourly basis of the "basic hourly rate of pay" (as defined in 29 C.F.R. Section 5.24) and of the fringe benefits payments for hospitalization, medical, pension and life insurance for such class under the United States Secretary of Labor's applicable Davis -Bacon wage determination in effect for Dade County.

Questions concerning the comparability of worker classifications or the applicability of Davis-Bacon classification shall be determined by the County

Please Contact:

The Department of Business Development
Contract Review and Compliance Division
140 West Flagler Street
11th Floor Suite # 1107
***Miami, Florida* 33130**
Phone Number: (305) 375-3377
Fax Number: (305) 375-2343

NXT 5299

PSC 6962

MIAMI DADE COUNTY
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"SEWER AND WATER LINE CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
LABORERS, HEAVY CONSTRUCTION				
Construction Laborer (2)	$ 9.80	$ 1.77	$ 1.25	$ 12.82
Landscape Laborer (2)	9.45	1.77	1.25	12.47
Construction Specialist (3)	12.00	1.77	1.25	15.02
Pipelayer	12.00	1.77	1.25	15.02
Hazardous Waste Specialist (3)	12.00	1.77	1.25	15.02
Laborer Concrete Specialist (3)	12.00	1.77	1.25	15.02

(1) Per hour health benefit includes hospitalization, medical and life insurance.

Contractors doing jobsites, such as Pipelaying, Drainage, Concrete Curbs, and Gutters, Sidewalks, Slabs, Paving and preparations for paving both in and under the building, parking garages or in buildings where ages exist under the buildings. All Site Prep such as dirt filling, excavation, seawalls, bulkheads, landscaping ation, all soakage pits, septic tanks, French Drains or other drainage, back filling or work so designated as Heavy Construction Engineering work.

(2) General laborers work include unloading and stockpiling on the ground plastering and/or masonry material

(3) Semi-skilled/Specialist classifications shall include all tenders (mason and plasterers), pipelayers (concrete and clay) laborers engaged in concreting on all slip form operation, mortar and power tools operators on all equipment coming under the jurisdiction of the Laborers International Union of North America, AFL-CIO. Tenders shall be define as experienced men having regular specialized duties requiring a knowledge of methods and material relating to their work and actively engaged in tending the crafts listed above.

NOTE:
Add $0.50 per hour to the per hour wage rate if power tools are used.

Add $0.25 per hour to the per hour wage rate if freshly creosoted lumber or hot mastic materials are handled.

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"SEWER AND WATER LINE CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
OPERATING ENGINEERS, HEAVY CONSTRUCTION (Includes all work except Building Work or Highway Construction)				
CLASS A	$ 21.88	$ 2.60	$ 1.00	$ 25.48
Cranes, Derricks				
Hoists (2&3 drum only)				
Grader, Finish				
Drill Rigs, Truck Mounted (Watson Class)				
CLASS B	19.23	2.60	1.00	22.83
Draglines				
Graders, Sub-Grade				
Drill Rigs, Truck Mounted (Sterling Class)				
ncrete Pumps (Truck mounted				
d placing booms)				
CLASS C	18.30	2.60	1.00	21.90
Backhoes (track, rubber tires etc)				
Bulldozers				
Pavement Breakers				
Travel Lift and Straddle Buggy				
Hyd. Crane (under 15 tons)				
Trenching Machine				
Gradall				
Front-end Loaders and Bobcats				
Welder				
Mechanic				
CLASS D	16.95	2.60	1.00	20.55
Batching Plant				
Boring Machine				
Concrete Pumps (trailer mounted)				
Hoist (electric, hyd., air)				
ersonnel, material tugger				

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"SEWER AND WATER LINE CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
OPERATING ENGINEERS, HEAVY CONSTRUCTION				
CLASS D continued.....				
Inside Elevators (temporary only)				
Forklift				
Spreading/Finishing Machine				
All other power equipment not specified				
CLASS E	$ 15.90	$ 2.60	$ 1.00	$ 19.50
Rollers				
Compressor (over 250 CFM)				
Utility Oper. (less than 6 pcs. equip.)				
Pumps/Dewatering (4"+)				
actors				
iver (misc trucks)				
ding Machines (3 or more)				
Scrapers & Off-Road Trucks				
CLASS F	16.15	2.60	1.00	19.75
Oiler/Driver, Truck Crane				
CLASS G	14.70	2.60	1.00	18.30
Oiler/ Crawler Crane				
Mechanic Helper				
Apprentices: Must be under supervision of a Journeyman (Ratio (3) apprentices to (1) Journeyman)				
First 6 months	$ 9.27	$ 2.60	$ 1.00	$ 12.87
Second 6 Months	$ 10.20	$ 2.60	$ 1.00	$ 13.80
Third 6 months	$ 11.12	$ 2.60	$ 1.00	$ 14.72
Fourth 6 months	$ 12.05	$ 2.60	$ 1.00	$ 15.65
Fifth 6 months	$ 13.90	$ 2.60	$ 1.00	$ 17.50
Sixth 6 month	$ 15.76	$ 2.60	$ 1.00	$ 19.36

MIAMI DADE COUNTY
ORDINANCE 90-143
WAGE AND BENEFIT SCHEDULE
FIRST QUARTER 2003

"SEWER AND WATER LINE CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
PIPEFITTERS, AIR CONDITIONING & REFRIGERATION (2)				
RESIDENTIAL, LIGHT COMMERCIAL, AC UP TO 5 TONS (R4)				
Journeymen	$ 12.45	$ 3.65	$ -	$ 16.10
Foremen	14.31	3.65	0.00	17.96
General Foremen	14.94	3.65	0.00	18.59
Apprentices:				
First Year (Probationary)	11.98	-	-	11.98
Second year	13.17	3.65	0.00	16.82
Third year	14.37	3.65	0.00	18.02
Fourth year	17.96	3.65	1.00	22.61
Fifth year	20.36	3.65	1.00	25.01
Trainee	9.58	0.00	0.00	9.58
COMMERCIAL, AC UP TO 20 TONS (R3)				
Journeymen	18.92	3.65	1.50	24.07
Foremen	21.75	3.65	1.50	26.90
General Foremen	22.70	3.65	1.50	27.85
INDUSTRIAL, COMMERCIAL, AC UP TO 100 TONS (R2)				
Journeymen	22.39	3.90	2.00	28.29
Foremen	25.75	3.90	2.00	31.65
General Foremen	26.87	3.90	2.00	32.77
INDUSTRIAL, COMMERCIAL, AC OVER 100 TONS (R1)				
Journeymen	23.95	3.90	2.25	30.10
Foremen	27.54	3.90	2.25	33.69
General Foremen	28.74	3.90	2.25	34.89

(1) Per hour health benefit includes hospitalization, medical and insurance.
(2) Includes heating.
APPRENTICE RATIO:
Construction (R1) - One (1) Apprentice to two (2) Journeymen.
Service (R1) - One (1) Apprentice to one (1) Journeyman.
(R2), (R3), (R4) - One (1) Apprentice to one (1) Journeyman.

BF- 4.57

NXT 5303

PSC 6966

MIAMI DADE COUNTY
ORDINANCE 90-143
WAGE AND BENEFIT SCHEDULE
FIRST QUARTER 2003

"SEWER AND WATER LINE CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
TEAMSTERS, TRUCKING				
Dispatchers, (Driver Foreman)	$ 22.56	$ 4.53	$ 2.55	$ 29.64
Truck Driver, (All Equipment)	20.44	4.53	2.55	27.52

(1) Per hour health benefit includes hospitalization, medical and life insurance.

NXT 5304

MIAMI DADE COUNTY
ORDINANCE 98-143
WAGE AND BENEFIT SCHEDULE
FIRST QUARTER 2003

"SEWER AND WATER LINE CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

For any class of laborers or mechanics which is not listed in the wage determination and which is to be employed under the contract, the required wage rate shall be the combined overall dollar value on an hourly basis of the "basic hourly rate of pay" (as defined in 29 C.F.R. Section 5.24) and of the fringe benefits payments for hospitalization, medical, pension and life insurance for such class under the United States Secretary of Labor's applicable Davis -Bacon wage determination in effect for Dade County.

Questions concerning the comparability of worker classifications or the applicability of Davis-Bacon classification shall be determined by the County

PLEASE CONTACT:

The Department of Business Development
Contract Review and Compliance
140 West Flagler Street
11th Floor Suite # 1107
Miami, Florida 33130
Phone Number: (305) 375-3377
Fax Number: (305) 375-2343

rev. 03/19/2002

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NXT 5305

PSC 6968

EXHIBITS TO THE AGREEMENT

Exhibit A
Telecommunications and Network Management Services Specification

NXT 5307

PSC 6970

TELECOMMUNICATIONS, AND NETWORK MANAGEMENT SERVICES SPECIFICATION

ARTICLE 1
SCOPE OF SERVICES

1.1 General Requirements

The Contractor shall furnish all labor, new materials, tools, supplies and other items required for the design, installation, maintenance, repair, management and operational support services for all voice and data network infrastructure ("Work") for MDAD, its users and Tenants and the management of Shared Airport Tenant Services ("SATS") for the County to Tenants and users at the Airport.

The scope of services include the provisioning of voice and data network services and maintaining existing and future voice and data networks infrastructure Equipment including operation, repair, maintenance, monitoring and support of all MDAD network devices such as routers, switches, and servers, support of circuits, including vendor resolutions and support of environmentals including UPS devices for all switches and routers at all sites. Services include daily analysis of network performance to research trending and troubleshooting from end point to end point so to enable quick resolution of system degradation. Contractor shall also provide Capacity Planning for all network links, PBX switches and trunk groups

The Contractor shall provide an on-site Help Desk and Network Operation Center dedicated to providing uninterrupted service to Airport operations. Contractor shall manage the existing voice and data network infrastructure, and maintain records as required by MDAD, including but not limited to, equipment and cable plant, record keeping of work order activity, equipment inventory, telephone number inventory, number dialing plan, key sheets, and cable management to the IDF level and jack level for existing and new structure during the term of the Agreement.

The Contractor shall manage the turn-key installation of new voice, data and network services such as user training on equipment, project scheduling, appropriate billing to MDAD and SATS Customers, billing user customers for services, and also for the specified Equipment, including when specifically requested by appropriate work order, needs assessment, system design, procurement of equipment and parts, Documentation, record keeping and inventory, and any other functions related to the provisioning of the services.

The Contractor shall also be responsible to provide, install and maintain technical systems hardware and software associated with the management of all telecommunications ATM and Gigabit Ethernet & ATM Infrastructure. In addition, the Contractor shall maintain computer hardware and software and the database associated with the cable record systems, the New Security System CMS after the initial contract expires with that system's provider, and any billing and help desk system the Contractor chooses to employ subject to approval by MDAD. These Software applications shall be maintained and operated at such a level that is suitable to maintain the quality of service or additional requirements outlined in the Agreement or other sections of this Specification. Back-ups shall be performed and

maintained off-site by the Contractor for all key technical systems to ensure data integrity and disaster recovery.

1.1.1 Contractor's Minimum Requirement:

The following mandatory minimum requirements for the selected Contractor:

a. The Contractor shall be experienced in providing all telecommunications services, presently provided by the current provider, to all MDAD locations presently and to any future MDAD locations as the County may require.

b. The Contractor shall, as the single point of contact for the County be solely responsible for the performance of all the services, equipment and facilities that the Contractor will provide during the life of the Agreement.

c. The Contractor shall bear responsibility for ensuring that all equipment cabling and wiring that will be provided during the life of the Agreement will be in complete compliance with this specification and with applicable Federal Communications Commission ("FCC") and Florida Public Service Commission requirements as well as Federal, State and Local laws, regulations, codes, etc. and shall remain compliant throughout the term of the Agreement.

d. The Contractor shall bear the responsibility of all costs associated with the modification of equipment rooms to accommodate the Contractor's equipment and facilities, restoration of damaged property, any expenses incurred by the County during the installation and cutover of the Contractor's services, etc.

e. The Contractor and all its sub-contractors shall conform to all OSHA, Federal, State and County regulations, including permitting requirements, while performing any services or Work that may be performed as a result of this Specification and Agreement.

f. The Contractor's on-site employees shall not engage in any type of activities for the marketing or provisioning of services outline in this Agreement to entities other than MDAD and the SATS customers of MDAD during the term of this Agreement and the employees will be dedicated totally and solely to the fulfillment of the Contractor's obligations at the Airport required by this Agreement and Specification. The Contractor shall not market services NOT covered by this Agreement/Specification to SATS customers using the staff and facilities covered by this Agreement.

g. Except as may be required by law, the Contractor and its employees, agent, subcontractors and suppliers will not represent, directly or indirectly that any product or service provided by the Contractor or such other parties has been approved or endorsed by the County, but Contractor is not precluded from listing County as a customer.

1.1.2 Staffing Requirements:

The Contractor shall provide initial staff of fifty (50) persons which MDAD currently believes is necessary to support the operations, management, maintenance, service, support and equipment and supplies of the telecommunication and data network infrastructure, hardware and software systems as herein described in this Agreement.

The Contractor shall provide, either through its own staff or through subcontractors, the labor competent to perform the following described work, and as needed to perform the services required by the County.

Exhibit C provides the County's requirements regarding job descriptions and qualifications. County reserves the right, from time-to-time, to review all Contractor's employee resumes to ensure these requirements are being met.

The Contractor shall provide a list, quarterly, of all personnel assigned to the Agreement that includes their title and job responsibilities. Any changes in staffing shall be approved in advance by the Department. If additional personnel are needed to perform the services, the Contractor shall submit a staffing proposal request that includes justification, duration of need, and a cost proposal to the County for its consideration and approval. All Job Classifications and Rates for additional personnel shall be as shown in the price proposal as Exhibit F, entitled "Preliminary Budget Estimate" of the Agreement. Increase in personnel shall be considered based upon surges and/or additional scope requirements. Increases in work force shall be on an as needed basis and shall mutually agreed upon and shall not be longer than actual need requires.

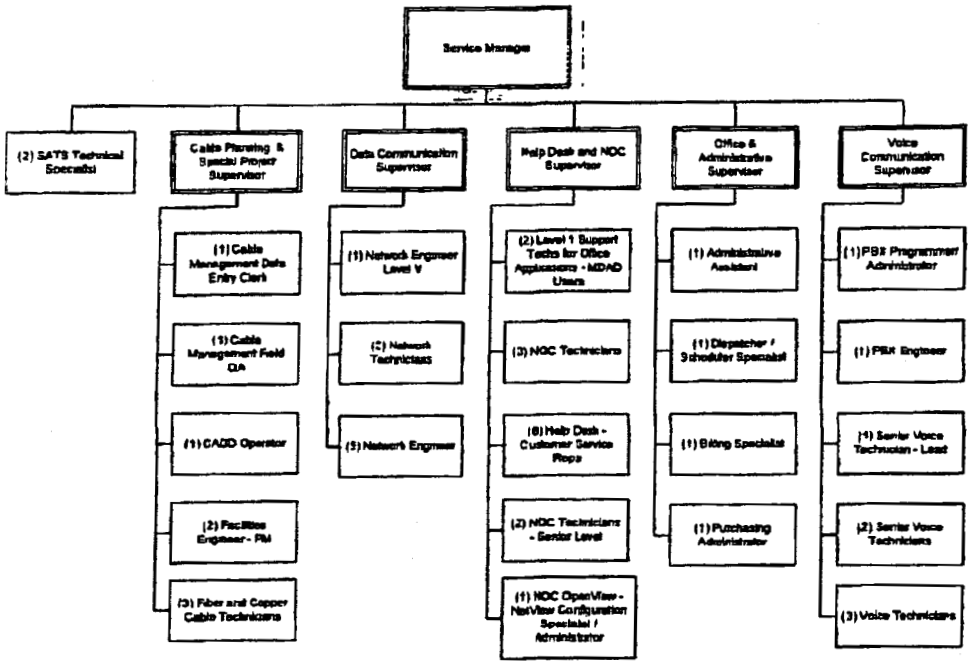
It is assumed that subcontractors shall only be used, subject to prior written approval from the Department, when the existing work force is unable to perform services within established time frames.

Prior to the beginning of each month, the Contractor shall provide MDAD with its upcoming month's work schedule. This schedule shall list employee's name, date and hours each employee is scheduled to work throughout the month. The schedule shall also list the after hours – emergency employee(s) name and pager number.

The County reserves the right to review the Contractor's operations, and if the Work requirements decrease, can correspondingly reduce the Monthly Fee upon a thirty (30) day written notice. The Monthly Fee shall be also be reduced as a result of the County's decision to retain or employ its' own personnel or others, to perform a portion of the requirements any time during the term of this Agreement.

The Contractor will be provided local area network ("LAN") access to the County operated LAN at MIA. MDAD will provide one (1) network connection to each Contractor's staff member. MDAD further agrees to provide email service to the Contractor as well as access to MDAD electronic records of as-built drawings. Conversely, the Contractor shall provide MDAD Telecommunications with access to the work order and trouble ticketing system via this LAN connection.

Based on the current scope of work contemplated under this Agreement, the following organization chart is provided for Contractor's understanding of what the County believes are (currently) the approximate number of employees needed to perform the work outlined in this specification.



1.1.3 Abbreviations:

The following abbreviations when used in this Specification shall be construed as follows, except when it is clear from the context that another meaning is intended:

ABBREVIATION	EXPLANATION OF ABBREVIATED TERM
AFF	Above Finished Floor
ASM	Airport Systems Manager
ATM	Asynchronous Transfer Mode
AWG	American Wire Gauge
Bellcore	Bell Communications Research
BHCA	Busy Hour Call Attempts
BICSI	Building Industry Consulting Service International
CAD	Computer Aided Design
CIP	Capital Improvement Program

CCS	Centum Call Seconds
CCTV	Close Circuit Television System, including cameras, intercom, and associated conduit and cable.
CMS	Cable Management System
CRC	On-Site Call Receipt Center (Help Desk). Available twenty-four (24) hours a day and seven (7) days a week, that users can access to report troubles associated with their voice, data and network services. Access to the Call Receipt Center can be by telephone, e-mail, or any other oral or written request.
DGM	Design Guideline Manual
EIA	Electronics Industry Alliance
GAA	General Aviation Airports
GPS	Global Positioning System
GUI	Graphical User Interface
HVAC	Heating, Ventilation and Air Conditioning
IACS	Integrated Airport Communications System
ICEA	Insulated Cable Engineers Association
IDF	Intermediate Distribution Frame
IMO	Information Management Outlet
IPE	Intelligent Peripheral Equipment (Nortel's term)
ISO	International Organization for Standardization
IS&T	(MDAD) Information Services and Telecommunications
IVR	Interactive Voice Response
LAN	Local Area Network
MAC	Move, Add, Change
MIA	Miami International Airport

MDAD	Miami-Dade Aviation Department
MDF	Main Distribution Frame
MTBF	Mean Time Between Failure
MTTR	Mean Time To Repair
NEC	National Electric Code
NIST	National Institute of Standards and Technology
NMS	Network Management System
NOC	Network Operation Center
OSHA	Occupational Safety and Health Act
OTDR	Optical Time Domain Reflectometer
PBX, PABX	Private Automatic Branch eXchange, (Telephone Switch)
PDS	Premises Distribution System
PNL	Passenger Name List
POP	Point of Presence
POS	Point of Sales
PS	Power Supply
QBE	Query By Example
REA	Rural Electrification Administration
SNMP	Simple Network Management Protocol
SATS	Shared Airport Tenant Service
SLA	Service Level Agreement
TAMS	Total Airport Management System
Tenant	Shared Tenant Service Customer
TDR	Time Domain Reflectometer

TIA	Telecommunications Industry Association
TP - PMD	Official name for CDDI ("Copper Distributed Data Interface")
UPS	Uninterruptible Power Supply
VOIP	Voice Over Internet Protocol
WAN	Wide Area Network
WS	Workstation

1.1.4 Service Requirements

Contractor's responsibilities shall include: (as more specifically defined elsewhere in this Specification)

1. Voice Equipment and Maintenance Services
2. Data Network Equipment and Management Services
3. Power Supplies Maintenance
4. **On-Site** Network Operation Center / Network Management System
5. **On-Site** Help Desk / Call Receipt Center
6. Hardware / Software Configuration
7. Move, Add and Change Services
8. Circuit Engineering and Documentation
9. Preventative Maintenance Services
10. Maintenance and Trouble Resolutions
11. Project Management Services
12. Shared Airport Tenant Services
13. Training Programs
14. Configuration, Change, Asset Management
15. Procurement
16. Spare Parts Maintenance
17. SATS Marketing, Order Taking, Proposal Preparation, and Billing
18. Reports
19. Disaster Recovery & Backup
20. Attend Meetings, as Required
21. Third Party Support Agreements
22. Cable Management System (CMS) Administration

1.1.5 Equipment and Facilities Covered shall include:

This Specification covers all Equipment, Systems and Sub-Systems in place as identified in Exhibit B and Exhibit G as well as any and all additional Systems, Sub-Systems, Equipment, or switches or products added in the future, when requested by the County.

Example of Equipment / Systems covered under the Agreement include, but are not limited to, the following components:

1. PBX switches and IPE Telephones
2. *Point of Presence* Facility
3. Electronic key systems
4. Any other voice systems
5. MDAD Data Network including Ethernet and new ATM
6. Cable Management System
7. Premise Distribution System
8. Network Management System
9. All network components maintained by Contractor
10. All inside and outside plant to include both copper and fiber optic cabling
11. Point-to-Point. Internal connections originating and terminating with-in all MIA General Aviation Airport (GAA) facilities.
12. Special systems such as IVR's
13. Network Components, Routers and Switches
14. Future wireless system
15. Uninterrupted Power Supplies (UPS)
16. Outside Plant

1.2 Scope of Services

This Section (1.2) gives a ***brief*** summary of the Scope of Service required for each of the Service Requirements. Please note Specification Section 2.2 provides ***detailed*** job requirements for each Service Requirement listed below.

1.2.1 Voice Equipment and Maintenance Services

The Contractor shall take over in "as is" condition, provision, install, maintain, test, replace, analyze and repair MDAD's Voice Equipment. The Scope of Work for the voice includes the maintenance of existing voice equipment and services currently provided at the Airports – Performance Standards and detailed Service Requirements are shown in Section 2.2.1.

1.2.2 Data Network Equipment and Services

~~The Contractor shall take over in "as is" condition, provision, install, maintain, test,~~ replace, analyze and repair MDAD's Data Network Equipment. The Scope of Work for the data network includes the maintenance of existing data network currently provided at the Airports, and the interface with the new security network, other Airport Systems in addition to new installation requirements. Performance Standards and detailed Service Requirements are shown in Section 2.2.2.

1.2.3 Power Supplies

The Contractor shall install, maintain, test, replace, analyze and repair chargers, voltage dividers (taking 110/220 220VAC converting to DC or vice versa) rectifiers, inverters, uninterruptible power supplies ("UPS"), power supplies for PBX and data systems. Performance Standards and detailed Service Requirements are shown in Section 2.2.3.

1.2.4 Network Operation Center / Network Management System

The Contractor shall provide a staffed on-site Network Operations Center ("NOC"), twenty-four (24) hours a day. The Airport's NOC shall be the central location for data network and telecommunications monitoring. The overriding goal is to provide ***PROACTIVE*** 24 x 7 x 365 support for the diverse needs of the Airport. The NOC shall:

* Proactively maintain and troubleshoot voice and data technology systems
* Address network problems before they are experienced by end users, thereby reducing or eliminating the need for calls to the Help Desk and delays that may be experienced in processing passengers
* Provide fail-safe reliability through continuous network monitoring and prompt response to problems

The NOC shall be the central location of the equipment, devices and people needed to maintain the Network operation. "Network" is used generically to encompass a number of important telecommunications infrastructures carrying voice, data and video, including the physical cabling plant, the electronic equipment that powers this infrastructure, and a substantial number of monitored systems.

A monitored system is an automated system that utilizes an MDAD owned network and is mission-critical to the operations of the Airport and its Tenants. Monitored systems shall provide status messages over the network for monitoring by the NOC. These systems and devices shall be tracked at all times by the NOC.

There is an important distinction between the Help Desk and the NOC. The purpose of the Help Desk is to be the single point of contact for trouble ticketing, problem routing and end-user follow-up. The objective of the NOC is to proactively maintain and troubleshoot voice and data technology systems. Performance Standards and detailed Service Requirements are shown in Section 2.2.4.

1.2.5 Help Desk / Call Receipt Center

The Contractor shall operate and manage an on-site Help Desk / Call Receipt Center, hereinafter referred to as "Help Desk" available twenty-four (24) hours a day and seven (7) days a week, that users can access to report troubles associated with their voice, data, workstations, Common Use Terminal Equipment, Flight Information Display Systems, Paging Announcement systems, CCTV, Wireless Services, Payphones, network and other types of Information related Technology systems or devices that utilizes MDAD Networks. Access to the Help Desk will be by telephone, e-mail, and any other oral or written request. Trouble Tickets will be assigned and tracked through Software provided by Contractor.

Activities to be coordinated through the Help Desk include trouble reporting, trouble detection/reception, notification, verification, location, and repair, repair verification.

The Help Desk shall serve as the single point of contact for all technical issues regardless of the physical location of the caller. The Help Desk shall be the single point of contact for trouble ticketing, problem routing, and end user follow-up.

Performance Standards and detailed Service Requirements are shown in Section 2.2.5.

1.2.6 Hardware / Software Configuration

Uniformity and Standardization of Components – All components used in circuit engineering shall be of the same type and manufacture (unless otherwise approved in writing by County) as other components used for the same purpose in existing portions of the telecommunications infrastructure. These components shall be maintained in a database of standard component types and costs that is used for costing of all changes. The IS&T Manager must approve, in writing, any proposed changes to this component list due to obsolescence or other reasons.

Contractor shall perform all software modifications, customization or configuration required or inferred in this Specification under the rates and payments outlined in the final Agreement. It is Contractor's responsibility to ensure its proposal includes whatever software programmers, or other similar job classification needed to perform the Work contemplated herein. Performance Standards and detailed Service Requirements are shown in Section 2.2.6.

1.2.7 Move, Add and Change Services

The Contractor shall be responsible for processing work orders, coordinate and perform Voice and Data related Move, Add and Change Services in coordination with MDAD IS&T Department. The Contractor's technicians are not authorized to perform MAC work unless these work orders have been properly approved or assigned by County. Depending on the size of the request, Contractor personnel shall be required to perform surveys in order to facilitate the requested work. The Contractor is solely responsible for scheduling all Work directly with MDAD or SATS customer under the direction of MDAD who may periodically escalate various work orders or priorities associated with different request. The Contractor shall coordinate access issues directly with the MDAD or SATS customer. The Contractor shall assign personnel with project management skills to large MAC projects and/or larger Tenants to facilitate the timely completion of the Contractor's portion of the Work.

Upon receipt of an appropriate work order, the Contractor shall provide to MDAD a proposal outlining cost to MDAD and schedules for larger installations where additional equipment or cable infrastructure is required. The Contractor shall coordinate with MDAD for the implementation of the services required.

Move, Add and Change Services shall include, but shall not be limited to:

a. Install and program new telephone station equipment.
b. Disconnect old service and update records accordingly.
c. Install new station cabling and outlets for voice, data, video and wireless services.
d. Relocate existing services in response to MDAD/Tenant work orders.
e. Manage work order and invoicing process.
f. Remove and/or disconnect unused cabling and outlets.
g. Add Premise Distribution in support of Tenant, users or MDAD needs.
h. Submit updated information for the MDAD Cable Management System or PDS database.
i. Any and all related permits that may be required.

Performance Standards and detailed Service Requirements are shown in Section 2.2.7.

1.2.8 Circuit Engineering and Documentation

Contractor shall provide Standard Circuit Specifications including complete catalog of circuit offerings. Contractor shall maintain and keep catalog updated. Such catalog shall be used by Contractor, MDAD Telecommunications and distribution to Tenants and other users of MDAD facilities.

The Contractor shall provide, upon MDAD's request, studies, surveys for MDAD or MDAD designee.

The Contractor shall engineer Custom Circuits at the Department's request.

Contractor shall install, test and commission repeaters, special conditioning equipment and circuit terminating equipment.

Contractor shall maintain special circuit spares that may become necessary to support special circuits.

Contractor shall provide and maintain all associate circuit documentation which shall include, but not be limited to:

- Cable Management System
- Circuit Engineering Worksheets
- As-Built Drawings
- Complete set of technical, system and project documentation
- Telecommunication Topology drawings

Performance Standards and detailed Service Requirements are shown in Section 2.2.8.

1.2.9 Preventative Maintenance Services

The Contractor is responsible for conducting preventive maintenance service including providing/installing software upgrades, checks to maintain the Equipment and subsystems are in accordance with manufacturers' specifications and perform all Work in accordance with industry standard on all voice, data and network in an effort to prevent malfunctions.

The Contractor shall perform all the preventive maintenance as specified by the equipment manufacturers and/or as directed by MDAD. A Monthly Report shall be submitted to MDAD detailing the preventive maintenance required and/or performed in the previous Month and specifying the preventive maintenance planned for the upcoming Month.

Preventive maintenance shall include, but is not limited to:

1. Visually inspect batteries condition and voltages.
2. Check power supplies voltages.
3. Routine replacement of lamps, indicators, protectors, and other components, which may fail through normal use.
4. Perform annual trunk and network traffic studies and implement corrective action if required.
5. Perform annual voice mail port utilization study and configuration.
6. Inspect cabinets and fans.
7. Periodic cleaning of filters.
8. Perform database dumps and reviews quarterly and perform corrective procedures if needed.

9. Check all connections and punch downs.
10. Back up PBX hard drive data.
11. Backup Main Data network core, edge and Routers.

Performance Standards and detailed Service Requirements are shown in Section 2.2.9.

1.2.10 Maintenance and Trouble Resolutions

The Contractor shall resolve all troubles and outages involving Services in a timely manner, following the priorities established in this Specification, to minimize disruption, increase performance level, and reduce interruption of Services within the Service Levels described herein.

The Contractor shall develop a complete operation and maintenance plan for all elements of the MDAD telecommunications and data network. This Work shall include all components of inside plant, outside plant, active and passive electronic equipment, and ancillary equipment that is part of the telecommunications and Network infrastructure and any additional Equipment added as provided hereinafter.

Contractor shall provide maintenance for all Equipment, Systems and Sub-Systems in place as identified in Exhibit B as well as any and all additional Systems, Sub-Systems, Equipment, or switches or products added in the future, when requested by the County.

This service shall include maintenance for all telecommunication cabling, circuits, devices and network cabling/distribution system that runs throughout the Airport(s). This includes the Premise Distribution System ("PDS") that provides the cabling infrastructure, required for all telecommunications and data systems to effectively communicate. PDS also provides the physical connections for access to existing legacy systems, the wide area network, and the Internet. The PDS consists of single-mode and multi-mode fiber optic cabling; copper cabling (enhanced Category 5 UTP or higher as standards evolve) and possibly infrared, wireless or other distribution materials/media such as, color spectrum fiber optic switches. The PDS utilizes Information Management Outlets ("IMOs"), and consist of two (2) voice and two (2) data jacks (all RJ-45 modular jacks).

In addition, the PDS is designed to accommodate the Department's anticipated future growth requirements. The Scope of Work includes the management of the PDS and the associated Cable Management System ("CMS"). Services shall include the data entry of "as built", or other drawings or documentation information into the CMS as on-going work identifies the information.

Performance Standards and detailed Service Requirements are shown in Section 2.2.10.

1.2.11 Project Management Services

The Telecommunications / Network infrastructure at MIA shall continue to expand and evolve with new development at the Airport. This evolution involves design and construction projects, some are exclusively limited to telecommunications systems, and others involve a multi-discipline effort. Both types of projects may require management of the telecommunications portion of the project by the Contractor as

part of this work. For such projects, the Contractor shall also provide consulting and project management services.

Performance Standards and detailed Service Requirements are shown in Section 2.2.11.

1.2.12 Shared Airport Tenant Services (SATS)

The Contractor shall market, maintain, operate and manage SATS for the County, to Tenants and users at the Airport, consistent with the requirements of the Public Service Commission of Florida ("PSC") and all other governmental entity has jurisdiction over SATS, if and where applicable, and all applicable laws. Shared Airport Tenant Services Scope of Work includes:

A. The Contractor shall submit a yearly marketing and customer service plan (the "Marketing and Customer Service Plan") to the IS&T Manager, for review and approval, to ensure the Airport's business partners receive the most efficient, effective and reliable telephone service possible. The Marketing and Customer Service Plan shall include, but not be limited to, the Contractor's plans to establish, market, and sell SATS as well as procedures for the handling of customer complaints and downtimes, including associated equipment requirements, and staffing plans. Procurement of any additional equipment when required to support these Shared Airport Tenant Services shall require prior written authorization from the MDAD Information Telecommunication Project Manager. Throughout the course of the year, the Contractor's performance shall be measured against the approved plan.

B. The Contractor shall maintain and provide labor to repair the equipment so that the Shared Tenant Service is operating in accordance with this Specification.

C. The Contractor shall submit a proposed tariff schedule for all SATS, that the Contractor plans to use to ensure optimal billings of all gross revenues (the "Gross Revenues"). All tariff schedules and SATS billing rates must be approved by the Department.

Performance Standards and detailed Service Requirements are shown in Section 2.2.12.

1.2.13 Training Programs

Contractor may be requested to provide on-site training related to voice mail training to MDAD employees and other training such as Meridian Mail, Paging, Emergency Notification System, and all other instructions that the telephone users may need during the term of the Agreement.

In lieu of training at a distant site, Contractor shall be requested to provide on-site technical training courses for County's technical personnel. The County shall provide the Contractor with a sixty (60) day notice to arrange for training at County's premises. When special on-site technical training course is requested, the County shall pay (IF APPLICABLE) for the instructor's airfare, lodging and meals during the training session, in accordance with Section 112.061, Florida Statutes.

Performance Standards and detailed Service Requirements are shown in Section 2.2.13.

1.2.14 Configuration Change & Asset Management

The Contractor shall adhere to sound configuration change, and asset management principles in addition to all County Standards. Detailed drawings shall be maintained that summarize various system layouts. Prior to changing equipment settings or configuration beyond the scope of routine day-to-day maintenance or troubleshooting, the Contractor shall provide written notice and/or drawings to MDAD of details surrounding the changes. The Contractor shall notify and coordinate approval of all scheduled outages with Tenants and/or MDAD Information Systems and Telecommunication Division.

Performance Standards and detailed Service Requirements are shown in Section 2.2.14.

1.2.15 Procurement

Except when the County requires the Contractor to provide competitive bids, the Contractor shall procure all parts, equipment, and software necessary to perform the Work described herein. These items are to be funded by the Contractor. Contractor agrees all rights and cost associated with use of such software, parts, or equipment necessary to perform the Work is included in the monthly management services fees.

The Contractor shall maintain high use items "on-hand" in order to complete routine maintenance and MAC services within the aforementioned times. The Contractor shall recommend and control a spare parts inventory list that shall be solely used for maintenance repairs and MAC work. The Contractor shall also be responsible for "Special Order" parts. Special Order parts are those that are not routinely used or are large enough that a "just in-time" approach suffices to the procurement of these materials. All Parts shall be designated to specific service requests or projects as they arrive. Any residual, excess, or left over material shall be the property of the County.

Large item storage shall be authorized in secured designated outdoor areas. THE CONTRACTOR SHALL NOT USE MDAD COMMUNICATION ROOMS AS STORAGE AREAS.

~~The Contractor shall adhere to all escort and security requirements in regards to~~ delivery personnel.

Performance Standards and detailed Service Requirements are shown in Section 2.2.15.

1.2.16 Maintenance of Spare Parts

The County shall provide space and staff to manage all County owned inventories. The Contractor shall recommend and procure parts on behalf of County.

It shall be the responsibility of Contractor to keep the master list of all installed and spare equipment current throughout the duration of the Agreement. Contractor shall send a current updated copy of the master inventory list to MDAD on the first day of every quarter.

Contractor shall be responsible for the physical task of checking in the shipping, receiving, storing, and distributing of materials, parts, supplies and equipment,

however. Contractor shall be responsible to advise MDAD if spare inventory falls below ten percent (10%) of the installed device and obtain MDAD's written permission including quantity, to proceed to purchase. Invoices for such approved spares shall indicate actual purchase price with back up attachment and County's written approval to purchase.

Performance Standards and detailed Service Requirements are shown in Section 2.2.16.

1.2.17 SATS Order taking, and Billing

The Contractor shall be responsible for the coordination, implementation and billing of all MDAD approved MDAD/SATS Marketing Orders that have been assigned to Contractor by a work order/ticket number. Contractor's technicians are not authorized to perform work unless these work orders have been properly approved by MDAD.

Contractor personnel shall perform surveys in order to facilitate the requested work. The Contractor is solely responsible for scheduling all work directly with the MDAD or SATS customer under the direction of MDAD IS&T who may periodically escalate various work orders or priorities associated with different requests. Contractor shall perform all such Work in compliance to all MDAD requirements as to when and how the Work is to be completed.

The Contractor shall also coordinate access issues directly with MDAD or SATS customer. The Contractor shall assign personnel with project management skills to large-scale projects and/or larger Tenants to facilitate the timely completion of the Contractor's portion of the work.

Performance Standards and detailed Service Requirements are shown in Section 2.2.17.

1.2.18 Not Used

1.2.19 Disaster Recovery Plan and Backup Services

The County and the Contractor shall jointly work on a plan for disaster recovery and develop contingency plans for major outages, utilizing the Contractor's or a third party off-premise resources as required to mitigate the problem.

A "Disaster" is defined as any unplanned interruption of the County's Telecommunication / Network devices and software and is anticipated to be more than twenty-four (24) consecutive hours duration that affects the ability of the County and its Users to conduct business and that affects the ability of Contractor to meet the Performance requirements stated herein.

The Disaster Recovery and Contingency plans for major outages shall describe how the computer servers, network, routers, hubs, and switches operating in various buildings and locations can be restored to operation in case of disaster or destruction. This plan is to be able to recover by building/location (not by application) and the technique of recovery is through restoration of files in equipment. Performance Standards and detailed Service Requirements are shown in Section 2.2.19.

1.2.20 Meetings

The Contractor's management team shall attend periodic meetings as required by MDAD with Tenants and MDAD to discuss on-going status of various projects. Contractor shall provide minutes as required by MDAD and track action items. This also includes daily exposure to Tenants and MDAD users to perform field surveys and determine the Scope of Work required to provide requested services for various projects as well as routine day to day MAC service requests. The Contractor shall maintain daily contact with the Tenants when appropriate, to ensure the timely completion of service requests as more fully described in the Performance Standards and detailed Service Requirements shown in Section 2.2.20.

1.2.21 Third Party Support Agreements or Third Party Technical Support Requirements

The Contractor shall maintain maintenance and technical support agreements with vendors associated with the telecommunications systems. The Contractor shall be responsible to pay for all maintenance contracts and support contracts necessary to perform the services outlined herein (collectively, the "Obligations with Vendors"). The County will compensate the Contractor in accordance with the Payments and Cost Reimbursement Article of the Agreement. The Contractor shall be solely responsible for hands-on management of the systems. These third party agreements shall include when available from the third party and requested by MDAD:

A. Post-warranty service agreements;
B. advanced replacement agreements;
C. software and hardware revision/update provisions; and
D. technical support agreements that allow the Contractor & County to speak directly to engineer/technical support as required.

Performance Standards and detailed Service Requirements are shown in Section 2.2.21 Refer to Exhibit J for current list of Third Party Support Agreement requirements.

1.2.22 Cable Management System Administration

The Cable Management System is a multi-user database system used to control all aspects of equipment, conduit, cable, terminations, physical labeling and other related data including installation status tracking as well as provisioning of new circuits. All provisioning shall be done through the CMS. Contractor shall be responsible to maintain the CMS database and input deletions, changes and new installations. Performance Standards and detailed Service Requirements are shown in Section 2.2.22.

1.3 Policies, Procedures and Performance Standards

1.3.1 Policy

The County, through MDAD Administration, sets the policies for the operation of all Airport owned devices and infrastructure. The Contractor shall abide by all County policies and procedures.

1.3.2 Not Used

1.3.3 Performance Standards

The Contractor shall provide high quality, reliable services for all Airport Users including all Airport Tenants and the traveling public. MDAD, EIA/TIA, BICSI Standards shall be utilized in the maintenance, engineering and installation of all inside wiring, outside plant and circuit engineering. The County must approve any deviation from these standards BEFORE any work is performed.

All Work performed shall be performed in accordance with the following standards, as applicable:

1. Any and all Federal, State and Local laws, building code requirements, statutes, ordinances, rules and regulations. Ignorance on the part of the Contractor or its subcontractor shall not exempt, excuse, or waive the Contractor from responsibility
2. Fire Codes NFPA 72
3. County Building Codes
4. Manufacturer or vendor's instructions about installation and service
5. Generally accepted engineering principles and industry standards, as provided below
6. Installation practices guidelines as described elsewhere in this document
7. Americans with Disabilities Act
8. MDAD Design Guideline Manual

The Contractor shall perform County needed voice/data cabling. Contractor or subcontractor shall possess one (1) of the following licenses and State registrations (if applicable), and provide proof of such to the County.

STATE:

a) Electrical Contractor, or

b) Low Voltage Specialist

COUNTY:

a) Master Electrician (State registration required), or

b) Communications Electrician

Contractor or subcontractor shall be proficient in all phases of telephone and data wiring as related to cable and wiring architectures in telecommunications spaces. All Work performed by the Contractor's on-site personnel shall include at least one (1) Registered Communications Distribution Designer who shall supervise all Work performed by Contractor.

Permits and Licenses: Contractor shall be responsible for obtaining all necessary permits and licenses required for installation and operation of the Equipment. Contractor shall cooperate and comply with any inspections required by all OSHA, Federal, State, and County codes, ordinances, statutes, and laws.

Any fines levied by the above mentioned authorities because of inadequacies to comply with this requirement shall be borne solely by the Contractor.

All Work performed and systems provided by Contractor shall be designed and implemented in accordance with the requirements of the latest revision of the documents listed below:

REFERENCE	DESCRIPTION
EIA/TIA 568	The commercial building-wiring standard. It defines a generic wiring system for a multi-product, multi-vendor environment
EIA/TIA 568B	The Commercial Building Telecommunications Cabling Standard. RJ.45 pin configuration defined in EIA Standard 568. Equivalent to AT&T 256A
EIA/TIA 569	The commercial building standard for telecommunications pathway and spaces. It defines the minimum requirements for ducts, closets and other spaces needed for data and telecommunications wiring
FCC Part 68	Federal Communication Commission document relating to connection of Premise equipment and wiring to the network
IEEE 241	Institute of Electrical and Electronic Engineers recommended practice for Electric Power Systems in commercial buildings
IEEE 802.1	IEEE Committee that defines the LAN Management and bridging standards
IEEE 802.3	Physical layer standard specifying a linear (bus) LAN using CSMA/CD access method
IEEE 802.5	Physical layer standard that specifies a ring topology LAN with a token-passing access method
IEEE 802.11	Wireless LAN Standards
ISO 9000	Manufacturing Quality Control Standard (certification)
NEMA 250	Enclosures for Electrical Equipment (1000 Volts Maximum)
NFPA 70	National Fire Protection Agency Standard for National Electrical Code
RFC 1157	Request for Comment for SNMP Standardization

RS – 232	EIA physical interface standard for use between data communications equipment and data terminal equipment
RS – 422	EIA standard for the physical interface between data communications equipment and data terminal equipment over circuits with their own ground leads
RS – 455	EIA standard for Fiber Optics – Fiber, Cables, Traducers, Connecting and Terminating
TSB 40A	Technical Systems Bulletin the provides additional transmission specifications for unshielded twisted pair connecting hardware
TSB 67	EIA/TIA standard for Transmission Performance Specifications
TSB 72	EIA/TIA standard for Centralized Optical Fiber Guidelines
UL144	Underwriter's Laboratories listing of Communications Cable as required by National Electrical Code
UL 1459	Underwriter's Laboratories Fire resistance requirements

1.3.4 Installation Practices Guidelines – In addition to MDAD Design Guidelines, the Contractor shall follow the following Guidelines, Regulations and Requirements:

a. All existing Federal Communications Commission rules and regulations apply as related to demarcation points and proper installation procedures.

b. Each telephone instrument shall have a "home-run" back to the distribution closet.

c. All blocks, instruments and cables shall be labeled by the Contractor upon installation and fully documented as part of the CMS.

d. Each cable installed shall be of the type designed for the application and environment in which it is to be utilized.

e. All unterminated cable ends, either in wall boxes or surfaces shall be fitted with covers designed for that purpose.

f. All cables/wiring, wherever possible, shall be concealed inside existing walls, ceiling finishes, or run inside wire mold.

g. All connectors shall be concealed in wall boxes and should not be left laying on the floor or be obstructive.

h. Laying cables on suspended ceilings or using the support wires of suspended ceilings to support any cable is strictly prohibited and is a violation of the National Electrical Code ("NEC"). Using electrical conduits or other building infrastructure services such as air conditioning ducts, fire sprinkler pipes, is a violation of the NEC. All cables, wires, and equipment for voice and data services shall be installed in conduit or, if approved by County, have independent support systems from the building structure, and any deviation from these rules shall result in the Contractor having to redo the Work at its expense.

i. Exposed cables shall be stretched and stapled at even distances to remove wrinkles, twists, and kinks.

j. For any underground or overhead cable installation, no interior type cable can be used, whether temporary or permanent. Only cables designed for these kinds of installation shall be used, preferably polyethylene, rodent protected and jelly filled.

k. All cables connecting two (2) or more buildings together, shall be protected at each entrance, using three (3) element gas filled protection and properly bonded and grounded.

l. Station Location – all telephone sets shall be installed at locations pre-determined by the using agency.

m. All equipment and component parts purchased shall be new at the time of delivery unless otherwise approved by MDAD.

n. All telephone equipment shall comply with the specifications set forth in the FCC Rules and Regulations, Part 68.

o. All electrical work shall be performed according to the NEC and all applicable state, County, and local codes.

p. Where existing cables are found and available for re-use, they shall be re-used provided that they are of the proper size (no in-line splice or connectors shall be allowed), length, and meet proper installation standards.

q. Upon completion of every task, the Contractor shall leave the site cleared of all cables and other materials. Furthermore, the work sites shall be cleaned up daily and at the end of each installation.

r. All telephone station equipment utilized shall be compatible in color as far as possible with existing equipment and shall also be "plug compatible".

s. All equipment removed from service and deemed reusable, shall be packaged and properly stored for future use when necessary. The Contractor shall complete the applicable inventory forms showing deletion or additions of telephones.

t. As required, the Contractor shall complete as-built drawings on new installations for reference when the projects are completed and submittal to MDAD.

u. The Contractor shall not deviate from proper installation standards at the request of the SATS customer or user, nor shall it accept and perform Work beyond the initial requests from the SATS customer or user, in accordance with the approved work order. Changes to work orders shall only be approved by MDAD Telecommunications. If the Contractor

performs work beyond the initial request without the approval by MDAD, it does so at its own risk and shall not be paid for the Work performed.

v. Cable conduit and cable trays required to install new cabling shall be installed and utilized unless specifically waived in writing by County. Certain applications will arise where the Contractor shall install new raceways, conduit and cables. All new Work shall require prior approval from MDAD.

w. Contractor shall perform and maintain original cable test data include OTDR test reports and graphs.

x. Contractor shall prepare equipment rooms with cable trays, termination blocks, racks, cabinets, ground, firestopping, and core drilling as necessary.

y. The Contractor shall support and provide technical consultation for MDAD during Construction projects at County owned facilities

1.3.5 Examination of Work Sites, and Specifications

Where applicable and appropriate, the Contractor shall:

1. Examine all specifications, drawings, directions and conditions relating to the work.
2. Visit the job site.
3. Investigate any difficulties encountered in performing the work.
4. Notify the County of any discrepancies, conflicts or other field conditions that will affect the Work to be performed.

Contractor shall have actual knowledge of the construction and labor conditions under which the Work is to be performed, has inspected the sites, and has read and is reasonably familiar with the Agreement, Specification, Attachments and Exhibits, documentation, and plans provided by County prior to the execution of the Agreement for the buildings in which the Work is to be performed.

It is acknowledged that substantial construction and renovation is occurring on a continuous basis at the Airport and that Contractor's knowledge is limited to its actual knowledge of existing conditions at the time the work is requested. Failure to read or become familiar with said Agreement, documents, plans or specifications shall neither exempt, excuse, nor relieve the Contractor of its obligations to furnish all necessary Equipment, Services, and labor necessary to satisfy the Contractor's obligations under the Agreement and to complete the Work for the consideration set forth herein.

Contractor shall at all times conduct its Work so as to ensure the least possible obstruction to the County and the least inconvenience to the vicinity of the work site. The Contractor shall assume full and complete responsibility for, and all risks in connection with the Services.

1.3.6 Special Conditions at the Sites

All material for the installation of services shall be delivered and the Work conducted so as to minimize any interference with concurrent work of others and normal operations in existing MDAD facilities. Every effort shall be made to limit dust, noise and fire hazards during installation.

Debris due to Contractor's work shall be cleaned and carted away by the Contractor prior to leaving the premises.

At the job sites, noise from equipment shall be kept to a minimum by use of adequate mufflers or other acceptable means. Noisy installation of equipment shall be scheduled when disruption to MDAD, SATS customers and the public shall be minimal and cause the least inconvenience.

The Contractor shall conform to applicable fire regulations and building codes.

The Contractor shall protect against injury to persons, and damage to pipes, conduits, trees, fences or other visible structures.

Precautions shall be exercised at all times for the protection of persons and property. The Contractor and its subcontractors shall conform to all OSHA, Federal, State and County regulations. Any fines levied by the above mentioned authorities due to failure to comply with any requirements shall be borne solely by the Contractor.

1.4 Specification Compliance

If repair requirements arise on existing cable plant that is not installed according to manufacturer or industry specifications, the Contractor shall provide notice and an estimate to the County to bring such infractions to specification while accomplishing the repair.

The Contractor shall be liable for circuit continuity and maintaining circuit records from the local service provider to the station jacks. In many instances, the Tenant has a Key Service Unit ("KSU") or other devices in the middle of this cable path and the existing cable records may or may not have records showing these outlets. Under these circumstances, the Contractor shall document any non-specification issues, provide notice to MDAD and jointly work with MDAD and/or the Tenant to upgrade this infrastructure to County specification and document said upgrade in the cable records. The Tenant will incur the expense of bringing such facilities up to County specification.

1.5 Telecommunication and Data Infrastructure Coverage

~~MIA has installed a structured cabling infrastructure (copper and fiber optic, riser~~ cable, backbone cable, horizontal distribution cable, computer equipment & telecom rooms), throughout all terminals (horizontally and vertically). The intent is for the County to utilize this telecommunication infrastructure as a common system to support basic Building/Terminal technology systems, and deliver shared IS & T Services (voice, data, radio and CCTV) to terminal Tenants. The Contractor shall Operate and Maintain this Infrastructure. The Contractor shall provide, as required, additional cabling infrastructure terminating at and within each Tenant's Leasehold area. The respective Tenant shall be responsible for installing and servicing their private equipment and systems (within their respective leasehold).

This structured-cabling infrastructure includes the lines for both voice and data lines and cable termination, associated wiring to the point of interconnection including switched equipment and nodes dedicated for access to the public switched network and to on-airport locations of MDAD and Tenants of MIA.

The Contractor shall have the responsibility to (a) maintain all equipment and facilities required for the provision of the service describe herein in good working order, and (b) maintain connectivity of the system to permit private telecommunications services. It shall be Contractor's obligation to restore service for malfunctions of equipment which affect MDAD or its Tenant's operations.

1.6 Equipment Failure

If any Equipment malfunction is determined by the Contractor to be the fault of any other company, the County will so notify said company and request appropriate repairs and alterations. The County, Contractor, and the other company, if pertinent, will mutually determine the point of failure and the party responsible for payment Notwithstanding the foregoing, if there is an emergency, the Contractor shall repair same in accordance with the Problem and Reporting Escalation subarticle in the Agreement and if during off hours, the County shall compensate the Contractor as provided herein and seek reimbursement from the other company. If the Equipment malfunction is associated with the Contractor's failure to install the Equipment properly or according to the Manufacturer's specifications, the Contractor shall pay all costs.

1.7 Maintenance of Equipment, Systems, or Sub-Systems Purchased from Others.

In the event the County adds or purchases equipment, systems or sub-systems from other contractors or vendors, the County shall timely notify the Contractor in writing of the installation of said equipment, systems or sub-systems. After installation, and unless otherwise notified by the County, the Contractor shall be responsible for maintaining the equipment, systems, or sub-systems, pursuant to the Scope of Services Article of this Specification.

1.8 Penetrations in Concrete or Other Structural Members

Core drilling of poured concrete slabs, walls, beams, and the like, shall be performed in a safe and workmanlike manner, to minimize danger and damage to personnel and/or equipment and property, and dust production and in full compliance with MDAD Design Guideline Manual. All core drilling shall be completed in all telecommunications closets, MDF, IDF, before cable placement begins. Periodic clean up and removal of debris generated during core drilling operations shall be performed by the Contractor.

The Contractor shall temporarily plug all slab penetrations as they are drilled to prevent dust and debris from the floor above from damaging any facilities on the floor below. Core drilling shall be scheduled and reviewed with the appropriate Building Manager before commencement.

The Contractor shall utilize approved fire barrier materials.

1.9 Unsatisfactory Work

The County shall inform the Contractor of Unsatisfactory Work. The Contractor has five (5) calendar days, commencing from the notification to remedy and cure the Unsatisfactory Work (the "Cure Period"), prior to the County withholding payment for the work and taking other measures provided for by the Agreement. The County may extend the Cure Period.

1.10 Transition Program Services

A. Start of Services Transition-In Program Plan:

Start of Services Transition shall be for a period of sixty (60) calendar days. The Contractor shall furnish all personnel, travel, other services, and supervision necessary during the sixty (60) day transition period beginning on February 7, 2004 through the start of sole support April 7, 2004 at no additional cost to County.

Contractor shall submit a plan for transitioning into all of the Services required under the Agreement. A detailed summary of the Transition-In Program Plan shall be provided, and will be evaluated, as part of its Proposal. Contractor's proposal shall provide a summary of how personnel throughout the Transition-In period shall be phased in, number of personnel, their function, and how such training plans are to be accomplished. The Transition-In program plan must provide and adhere to the following minimal requirements:

- All positions, including all key individuals (i.e., Service Manager and Supervisors), shall commence work full time on-site beginning February 7, 2004, with the exception of the following positions: Help Desk Customer Services Representatives, and NOC Technicians.
- At least one Help Desk Customer Service Representative ("CSR") and one (1) NOC Technician - Senior Level shall begin no later than the third week following February 7, 2004.
- The Help Desk and Network Operations Center shall be fully operational and staffed no later than April 6, 2004.

Contractor shall submit a **comprehensive** detailed Transition-In Plan including the NOC and Help Desk for MDAD's approval thirty (30) days prior to start of transition period.

The purpose of the Transition-In Program Plan is to ensure that:

1. The new Contractor's qualified operation and maintenance personnel are trained and knowledgeable in all aspects of:
   - MIA's operations and MDAD organization
   - Telecommunications and supportive equipment
   - Support systems
   - Operating environment and location of telecommunications infrastructure
2. All Operation and Staffing Plans and software are fully accepted and operational.
3. All Performance and Service Levels are met immediately at time Contractor takes over as sole support.

Transition-In Period: On February 7, 2004, the Contractor shall enter into the sixty (60) day period during which time the Contractor will organize its

operations at MIA. During this transitional period, all SLAs pursuant to this specification related to the Agreement will be deferred but contract deliverables such as software, staffing and operational plans must be met. The transitional operations period will end April 6, 2004.

Immediately following the end of the transitional operations period, the Contractor will enter into the Agreement Contract Period wherein all terms of the Agreement, performance requirements, and related penalties will be in full force and effect.

During the transition period, the Contractor shall configure all required support systems software to meet the requirements stated in the Specification and Agreement. Such software and configuration must be completed, tested and accepted by April 6, 2004.

All required furnishings associated with the NOC and Help Desk shall be furnished and installed by March 6, 2004.

B. End-of-Services Transition Program Plan:

Upon termination or expiration of the Agreement, the Contractor shall take all reasonable steps to assist the County in effecting a smooth transition to a new provider, such as the staffing overlap of managerial, administrative, or technical personnel from the Contractor, with the incoming new provider or the Department's personnel, to ensure that either the new vendor or the Department's qualified operating and maintenance personnel are trained in all aspects of the System. The support shall be provided in the areas that pertain to the County, and Contractor on-site operations for the County.

Such transition shall take place one hundred-twenty (120) days, but in no event less than thirty (30) days prior to last day of Agreement expiration or termination. In addition, the County may negotiate with the Contractor for a contract extension for such a transition program.

Contractor shall provide MDAD with all necessary assistance to allow the Services to continue without interruption or adverse effect to MIA, its Airlines, Tenants and users, and to facilitate the orderly transition of Services to MDAD's staff or its new vendor/designee. At no additional charge to MDAD, the Contractor shall assist MDAD to develop a plan for the transition of all of the Services required under the Agreement.

The purpose of the End-of-Services Transition Program Plan is to ensure that either the new vendor or the County's qualified operating and maintenance personnel or their assigns are trained in all aspects of the System, provided that the Contractor's sole responsibility shall be to implement a program in good faith and in no event shall the Contractor have any liability or responsibility for whether the new vendor or the Department's qualified operations and maintenance personnel actually are competent to perform the Services to which they are assigned.

As part of this End-of-Services Transition Program Plan, the Contractor shall ensure that all applicable equipment and systems are operational and installed in accordance with plans and specifications, and ensure that

Documentation is updated and submitted to the Department including, but not limited to, as-built/record documents and manufacturer's operations and maintenance manuals, and operational procedures specific to MDAD.

1.11 Natural Disasters, Emergency Response and Evacuation Procedures

Contractor shall follow MDAD's and its IS&T Division's established procedures and guidelines for Natural Disasters, Emergency Response and Evacuation Procedures. Reference in these procedures to network, telecommunications, telephone or Information Systems personnel shall be inferred to include Contractor and Contractor's employees. Contractor shall be required to assist County with preparations to protect and prepare the Airport for such disasters.

ARTICLE 2
PERFORMANCE STANDARDS AND DETAILED REQUIREMENTS

2.1 General

The objective of the Performance Standards and Detailed Requirements is to outline Contractor's requirements to assist the Airport in its support, operation and management of its telecommunication and data infrastructure. These requirements are to be used as a general guide and is not intended to be a complete list of all Work necessary to provide all the Services contemplated under the Agreement.

The following are general requirements that apply to all Services:

Badging: All on-site employees shall have MDAD AOA Badges and Custom's seals. Contractor shall be responsible for all cost associated with obtaining AOA and Customs' badging. All airside drivers shall be obtain all required licenses and permits.

All-Inclusive: Contractor shall furnish all supervision, labor, tools, machinery, hardware, test equipment, materials, services, third party software and hardware support, and shall furnish forces (shown below) and work such hours as agreed to herein to ensure compliance for the Scope of Work and SLAs stated herein. As workload may change throughout the term of the Agreement, Contractor and MDAD shall meet from time to time to discuss if on-site hours and/or number of personnel should be adjusted. Management Fee shall be adjusted for such changes as shown in Agreement Article - Payment and Cost Reimbursements.

Contractor's service organization shall provide support including dispatching resources in response to alarms, complaints, and requests for service. Activities will be coordinated through the Help Desk.

Comply with Service Level Requirements: Contractor shall strive to meet required Service Level for problem resolution, circuit provisioning, and MACs and shall escalate as needed in accordance with the procedures provided herein.

Contractor shall anticipate and be responsive to high call volumes during the peak travel times.

Unless otherwise stated in this document, the Contractor's staff shall be available on site to perform the services outlined in this document from 8 am to 5 pm Monday through Friday except Holidays.

Staff normal work hours shall coincide with the hours necessary for the nature of the work The County shall not pay overtime for Work that is normally done in the evening hours or after mid-night.

For those services that are not 24 x 7 x 365, during off hours, weekends, and holidays, the Contractor shall have "on-call" trained technicians to cover all the Equipment and systems specified in this document.

Documentation and Reporting: Contractor shall document and report operational metrics, including activity logs and SLAs. Frequency of reports shall be monthly or as requested by MDAD. Upon analysis of these metrics, Contractor shall address and remedy any systematic problems or negative performance trends.

Environmental Maintenance: Contractor shall provide Environmental Maintenance of all equipment and termination rooms. Environmental Maintenance is defined as keeping these areas free from excess papers, tickets, bag tags, trash, dust and dirt. The electronic equipment is sensitive and need to be kept in a clean, maintained environment. This shall be considered part of preventive maintenance.

Upon completion of any MAC, maintenance, or repairs, the Contractor shall reconnect any utilities, equipment, or appliances removed by the Contractor in the course of work, and replace all furniture, and objects moved by the Contractor for the performance of the work. Debris and rubbish created by the Contractor shall be removed and the premises left clean. This includes dust caused by the removal of ceiling tiles. Contractor shall be responsible for replacing any ceiling tiles that are broken by its personnel or subcontractors.

It shall be the Contractor's responsibility to reconstruct Work Areas as originally found.

Tenant Access: Access to Tenant premises shall be coordinated by the Contractor with the Tenants.

The County will at all times have access to all Equipment, Systems, Sub-Systems and work areas.

Coordination: Contractor shall fully cooperate, and when directed by the County, coordinate the installation and maintenance of all Systems, Sub-Systems, and Equipment with any other contractor under contract with County, and with County personnel for work related to, but not included in, this Specification. Contractor shall not modify the work of any other contractor or the County without the express, written consent of the County.

Contractor's Staff shall work with designated Airport Staff on various levels of support, including working to resolve Help Desk Tickets.

Service / Performance Levels Not Met: In addition to the monetary penalties stated in the Agreement, the Contractor shall ensure that proper coverage will be achieved at all times in the support and maintenance of Miami International Airport. In the event of illness or staff mutation, The Contractor shall increase shift time, utilize (bring onto site) one of its national technicians or transfer resources from other projects until such time as local manpower coverage is normalized (to the previous approved staffing level) at no additional cost to the County.

2.2 Performance Requirements

2.2.1 Voice Equipment and Maintenance Services

Hours of Operation

Service shall be provided 24 x 7 x 365. Technical staff on-site 7:00 A.M. – 11:00 P.M. Monday through Friday with an on-call function Monday – Friday, from 11:00 P.M. – 7:00 A.M and 24 hours a day, weekends and holidays. The Contractor shall have "on call" trained personnel to cover all of the equipment and systems described herein.

The Contractor shall provide MDAD, for approval, a general description of its daily staffing requirements that will apply over the term of the Agreement. Staffing plans may be modified from time-to-time by written Agreement of both parties.

Qualification Requirements for Telecommunication Services

In addition to the requirements stated in herein, refer to Exhibit C for further Job Descriptions and Qualifications.

Service Levels and Deliverable Requirements for Telecommunication – Voice Services

The Contractor shall be responsible to provide and maintain all telecommunications systems, circuits and cabling. Contractor Services shall include the diagnostic, maintenance, and user support services to ensure the system availability.

Maintenance on the telecommunications infrastructure shall ensure optimum performance and availability. The intent of maintenance is to identify, quantify, and rectify any potential problems before they evolve to a service-affecting situation.

Contractor's maintenance of the telecommunications infrastructure shall ensure optimum performance and availability. The intent of maintenance is to identify, quantify and rectify any potential problems before they evolve to a service-affecting situation. Such systems, circuits and cabling include, but are not limited to:

The current Telecommunications systems are detailed in Exhibit B. It includes; (i) two (2) Nortel 81Cs, (located in Building 3030 C wing, and in the Concourse E switch room E2386 (collectively, the "Core Rooms")), (ii) the telephone equipment (Option 11s and the Norstars) at various MIA locations; and (iii) the telephone equipment (Option 11s and the Norstars) located at the Opa Locka, Kendall-Tamiami, Homestead general aviation facilities (reflected in the current Voice Topology Drawing), and the Homestead Air Reserve Base.[1]

The number of ports currently in use are:

[1] The CD Building 3030 source book and the CD Main Terminal source book are available for review and inspection when authorized by the Department in accordance with federal, state and local law.

Meridian PBX, Option 81 located in the Terminal Building: 2,990 ports	
Meridian PBX, Option 81 located in Building 3030:	908 ports
Eight (8) Intelligent Peripheral Equipment (IPE) systems located in 8 different locations:	
Served from terminal PBX:	1,760
Served for Building 3030 PBX:	1,404
Total	7,062 ports in use

Main PBX/Switch Rooms

For telephone rooms, the Contractor shall comply with ANSI EIA TIA Commercial Building Standard for Telecommunications Pathways and Spaces.

Telephone Distribution Points

The Contractor shall comply with the following:

(a) Telephone distribution to areas distant from main telephone rooms requires an additional telephone closet or closets. Access to these spaces have the same requirements as telephone rooms as specified in the EIA/TIA 568 Standard. In addition, since many distribution points are in shallow closet-type areas, free access space in front of telephone backboards shall be provided. This area shall be kept clear for maintenance personnel for a minimum distance of three (3) feet.

(b) A plywood backboard, 3/4" exterior grade, painted black or blue with a minimum size of four feet by four feet (4'-0" x 4'-0") shall be installed at all telephone distribution points.

(c) A minimum of one (1) four-outlet (quad) receptacle on a dedicated circuit shall be installed at the telephone and data backboard. This outlet shall be at a minimum height of sixty (60) inches AFF.

(d) Adequate lighting shall be supplied at all telephone distribution points.

(e) ~~Each telephone distribution point shall be supplied with a suitable~~ earth ground. The minimum size wire shall be number 4 AWG and shall terminate on a grounding bus at the lower right or left side of backboard.

Uniformity and Standardization of Components

All components used in service provisioning shall be of the same type and manufacture as other components used for the same purpose in existing portions of the network. The Department Manager shall approve, in writing, any proposed changes to this component list due to obsolescence or other commercially acceptable reasons.

Removal of Unused Cabling and Equipment

During remodeling efforts or furniture rearrangements within existing space, new MAC requests are submitted by the customers of MDAD. Existing outlets are to remain during this process, unless specifically

identified in the request for removal. In addition, when walls are removed, the jacks shall be disconnected and cable records amended to reflect that change. In order to maximize existing cable plant, the Contractor shall avidly pursue disconnecting unused jacks for cross-connects to backbone cabling. Associated blocks shall be re-labeled and cable records updated where affected. The Contractor shall be responsible for opening and re-sealing fire rated assemblies when such assemblies are involved with the removal of unused cable and equipment.

Existing Utilities/Cable/Duct Locate Services

The utilities at MIA are covered under a blanket locate agreement for incidental jobs. The Contractor shall provide on-site cable locating support to augment the current locate service provider in situations where cable depth shall be determined, or where direct buried facilities which fall outside of the provider service shall be located. In addition, the Contractor's locate capability shall be used to meet delivery schedules of MAC or repair service.

Existing Utilities

(a) The Contractor shall contact all concerned utilities before performing any utility modifications, utility shutdowns, or any hot work on existing utilities within a building, or performing any excavation drilling holes, performing any vibroflotation (vibrocompaction) work, hot work on any underground utility, or driving piles.

(b) Contractor shall complete the Underground Utilities Clearance Sign-Off sheet and submit to the assigned Department Manager.

(c) Contractor shall complete the Shut Down Request form and submit it to MDAD Maintenance Engineering in accordance with the form's instructions.

(d) Before initiating hot work, the Contractor shall submit the hot work permit application. Hot work includes, but is not limited to, brazing, cutting, grinding, soldering or thawing of utility pipes, torch applied roofing, and welding.

Visual Maintenance

Visual maintenance is essential to efficient operation Visual maintenance is to be performed by certified technicians at scheduled intervals. This maintenance category is performed according to the requirements set forth in the manufacturer's operations and maintenance manuals and referenced industry standards.

Corrective Maintenance

Corrective maintenance includes those actions performed by certified technicians to restore components of the telecommunications infrastructure to operational status after a failure has been identified

The maintenance functions performed under this category shall include, but are not limited to, fault isolation, removal and repair or replacement of faulty infrastructure components.

The corrective maintenance process begins the moment the Help Desk function is informed of a service outage affecting any part of the communications infrastructure

Performance Standards

All telephone services provided to the end user shall meet the following service availability criteria: The grade of service and blockage at any Airport facility shall not exceed 2% for each access and egress and 1% for transport. The grade of service shall be determined using the Airport's facilities average monthly business day busy hour traffic data. Call setup delay shall not exceed 5,550 milliseconds on average and 900 milliseconds for the 95th percentile over a 24-hour period. Availability of service shall be 99.99%, not including time used for planned preventive maintenance.

Service Levels:

In addition to the service level requirements shown in 2.2.10, Contractor shall achieve the following performance standards for all Telecommunications needs:

Service	Service Level
Performance	▪ The Airport standard is no down time; however, understanding that a service window is required to perform maintenance, network reliability shall be 99.98%.
System availability	▪ Network up-time shall be 99.98% or greater during peak Airport business hours between 7:00 a.m. to 11:00 p.m., seven days a week. ▪ Any non-emergency network downtime shall occur after 48 hours' notification has been provided to MDAD and its Users/Tenants, (Monday – Friday).
Response Time – During On-Site Hours	When responding to trouble tickets, the Contractor shall respond within 10 minutes by telephone or 20 minutes to the location of the problem and resolve 98% of all problems within 2 hours.
Service	**Service Level**
Response Time – During On-Call Hours	Shall respond within one hour after notification is sent. Critical and Major Failure repairs to commence and be fully restored within 4 hours of notification.
User Support	24 x 7 x 365

Penalties:

Five or more documented complaints in any given month from MDAD management or Users/Tenants regarding the Contractor's responsiveness, or inability to complete restoration in a timely manner shall result in penalties being invoked. Penalties shall also be invoked if Availability of Service falls below 97% in any given month. Refer to "Penalties for Non Performance" Article in the Agreement.

2.2.2 Data Network Equipment and Services

Hours of Operation

Service shall be provided 24 x 7 x 365. Technical staff shall be on-site 24 X 7 X 365. At a minimum, at least one (1) Network Engineer will be on-site at all times.

The Contractor shall provide MDAD, for Approval, a general description of its daily staffing requirements that will apply over the term of the Agreement. Staffing plans may be modified from time-to-time by written Agreement of both parties.

Qualification Requirements for Data Services Technicians

In addition to the requirements stated in herein, refer to Exhibit C for further Job Descriptions and Qualifications.

Service Level and Deliverable Requirements for Data Network Equipment and Services

The Contractor shall be responsible to provide and maintain all system hardware, devices and Software associated with the operation and management of the ATM and Ethernet backbone. Contractor Services shall include the diagnostic, maintenance, and user support services to ensure that the system providing user connectivity at various Airport offices remains operational.

Contractor's maintenance of the data communications infrastructure shall ensure optimum performance and availability of the infrastructure. The intent of maintenance is to identify, quantify and rectify any potential problems before they evolve to a service-affecting situation.

The current data network components are detailed in Exhibit B. It includes; but is not limited to, existing data network at the Airport consisting of a fiber optic ring interconnecting eight (8) Centillion 100 switches These switches are currently located in equipment rooms located in Building 3030, Building 5A, Building 100, the Cargo Clearance Center ("CCC"), the Satellite Building, the Landside Administrative Offices on the Ground Floor of the Dolphin Garage, the Concourse C computer room, and the fourth floor Terminal equipment room. The network includes seven (7) Nortel 5000NT boxes, twenty-three (23) Nortel 5000BH boxes, forty-two (42) 450 switches and one (1) Cisco 2900. The network also consists of two (2) Nortel BCN ATM routers located in Building 3030 and the Concourse C computer room, plus 6 AN routers.

This network shall be eventually interconnected with the new security network ("New Security Network") effectively. Contractor shall be

expected to eventually take over the maintenance of the security network which is comprised of 10/100/1000 MBit and ATM.

The installed network conforms to IEEE 802.3 and IEEE 802.5 standards for switching. The installed switches are capable of concurrent switching of all protocols specified in this Specification, Token Ring (IEEE 802.5, 4 and 16 Mbps), AUI Ethernet (IEEE 802.3, 10BaseTX, 100BaseTX), and Asynchronous Transfer Mode ("ATM") 1000Base Gigabit Ethernet media connections.

The Local Area Networks conforms to the following standards:

a) IEEE 802.3 10BaseT, 100BaseT, Gigabit Ethernet
b) IEEE 802.5 16 Mbps Token Ring
c) ATM Standard

The installed network has the capability to interface with and shall conform to the following networking protocol standards:

a) TCP/IP (RFC 793 / RFC 791)
b) OSI (ISO)
c) IPX/SPX (to be phased out with Novel IP)
d) ATM

The installed network conforms to IEEE 802.3 and IEEE 802.5 standards for transparent routing. The installed routers are capable of routing all protocols specified in this document, and support dual mode, Token Ring (IEEE 802.5, 4 and 16 Mbps), AUI Ethernet (IEEE 802.3, 10BaseTX and 100BaseTX), and ATM media connections.

Test equipment shall include, but is not limited to, Sniffer analyzer, FLUKE, OTDR, Optical Interferometer, an Optical Loss / Return Loss Test Set including, Dual Wavelength 850/1300 nm LED source with ST connector and InGaAs detector, Dual Wavelength 1310/1550nm Cooler LASER with HRL faceplate connector and InGaAs detector.

For the purposes of the cable infrastructure, two (2) types of maintenance shall be performed: visual maintenance (a derivative of preventive maintenance); and, corrective maintenance. Types of Maintenance shall include but is not limited the following:

Visual Maintenance

Visual maintenance ("VM") is essential to efficient operation. VM is to be performed by certified technicians at scheduled intervals. This maintenance category is performed according to the requirements set forth in the manufacturer's operations and maintenance manuals, industry standards and MDAD instruction VM activities include such functions as changing verifying revision level on spare hardware, inspecting/updating documentation, etc.

In addition to the actual copper and fiber cabling, the following systems/equipment are understood to be included in the visual maintenance processes:

- Air Conditioning in Equipment rooms
- Channel banks, Main Distribution Frames, raceways and associated wire assemblies
- Switches and Routers
- Ground Buss Bars
- Batteries, rectifiers, inverters and other associated power equipment

Visual maintenance is practiced to help prevent service outages due to performance degradation or physical deterioration. The visual maintenance program shall consists of periodic on-site inspections and performance monitoring.

The following visual inspections shall be performed at each location:

- Inspection of all equipment and cables for physical condition, including abrasions, breaks, and deformities
- Inspection of site for cleanliness
- Inspection for environmental problems due to temperature, humidity, or water leakage

In addition to the visual inspections, the technicians shall perform any necessary cleaning/policing of the area in support of the highest standards of workmanship.

Contractor is responsible for the development and execution of a visual maintenance schedule. This schedule includes the following detail:

- Task Number
- Task Description (VM activity to be performed)
- Frequency (Daily, Weekly, Monthly, Semi-Annual, Annual)
- Day of Week to be Performed (If weekly or monthly)
- Initials of Personnel performing the VM Task

The VM Schedule shall be constructed in such a manner that all tasks requiring the same frequency of VM are grouped under the following headings:

- Daily
- Weekly (Noting day of week)
- Monthly (Noting day of month, i.e., 1st Mon, 1st Tue, etc.)
- Semi-Annual (Quarterly, Every other Quarter, etc.)
- Annual

Corrective Maintenance

Corrective maintenance includes those actions performed by certified technicians to restore components of the communications infrastructure to operational status after a failure has been identified.

The maintenance functions performed under this category shall include, but are not limited to, fault isolation, removal and repair or replacement of faulty infrastructure components.

The corrective maintenance process begins the moment the Help Desk function is informed of a service outage affecting any part of the communications infrastructure.

Service Level Requirements

In addition to the service level requirements shown in 2.2.10, Contractor shall achieve the following performance standards for all Data Network Infrastructure:

Service	Service Level
Performance	▪ The Airport standard is no down time; however, understanding that a service window is required to perform maintenance, network reliability shall be 99.98%. ▪
System availability	▪ Network up-time to be 99.98% or greater during peak Airport business hours between 7:00 a.m. to 11:00 p.m., seven days a week. ▪ Any non-emergency network downtime shall occur after 24 hours' notification has been provided to MDAD and its Users/Tenants.
Response Time – During On-Site Hours	When responding to trouble tickets, the Contractor shall respond within 10 minutes by telephone or 20 minutes to the location of the problem and resolve 98% of all problems within 2 hours.
Response Time – During On-Call Hours	Shall respond within one hour after notification is sent. Critical and Major Failure repairs to commence and be fully restored within 4 hours of notification.
User Support	24 x 7 x 365

Penalties:

Five or more documented complaints in any given month from MDAD management or Users/Tenants regarding the Contractor's responsiveness, or inability to complete restoration shall result in penalties being invoked. Refer to "Penalties for Non Performance" Article in the Agreement.

2.2.3 Power Supplies

Hours of Operation

Service shall be provided 24 x 7 x 365. Technical staff on-site 7:00 A.M. – 11:00 P.M. Monday through Friday with an on-call function Monday – Friday, from 11:00 P.M. – 7:00 A.M and 24 hours a day week-ends and holidays. The Contractor shall have "on call" trained personnel to cover all of the systems as specified herein.

The Contractor shall provide for MDAD Approval, a general description of its daily staffing requirements that will apply over the term of the Agreement. Staffing plans may be modified from time-to-time by written Agreement of both parties

Qualification Requirements for Services

In addition to requirements shown in Exhibit C, the technician providing maintenance and repair services for UPS should have two (2) years UPS field experience and factory certified training.

The Contractor shall be versed in the repair, analysis and solutions to power system problems. Knowledge of grounding of power supplies and equipment cabinets is of primary importance. The Contractor: (i) shall be able to follow manufacturer's specifications for grounding; (ii) shall have appropriate test equipment, and be able to test systems for differences in ground potentials; and (iii) correct systems that do not meet manufacturer's specifications.

Service Levels and Deliverable Requirements

Contractor shall provide services in accordance with the following requirements, as applicable, for each UPS:

A. Visual Inspection when requested and at no additional charge:

- The electrolyte level of the battery
- All fuses, panel meters, panel lamps and circuit breakers
- All power connections for signs of overheating
- All printed circuit board connections. Swab contacts if necessary
- All printed circuit board capacitors, including DC and AC capacitors, subassemblies, and bridges, looking for signs of component defects, stress or leakage

B. Check All:

- Battery float voltages
- Cable connections
- ECE power supply voltage
- Terminals
- Circuit breakers
- Output terminal volts, fuses, charge current and equalize voltage on the battery charger
- Load current
- Inverter frequency controller

* DC ground detection offset
* Inverter leg current average balance
* Output filter current average phase balance
* Rectifier bridge current average leg balance
* AC and DC protection settings and operation
* Input and output frequency and voltage bandwidth settings
* Power supply voltages and waveforms
* System input voltages and input currents (all phases)
* DC charging voltage, record settings. Adjust to nominal if necessary.
* Rectifier and inverter phase
* System bypass voltages (all phases)
* UPS area ambient temperature and condition of ventilating equipment
* Cleanliness of UPS area and UPS power module
* Monitoring System parameters including alarm archive and printing

C. Clean, Replace, and Adjust – Contractor shall:

* Clean all battery terminals
* Clean all circuit breakers
* Clean all fuses
* Clean control panel / CRT screen
* Replace all circuit breakers and fuses as required but not less than once every two years
* Replace cell or battery as required
* Replace monitor bulbs
* Replace all air filters twice a year
* Replace power supply back-up control battery cells once a year
* Adjust all panel meters to measured values

D. Test all:

* ~~Electrolyte gravity~~
* Switch in the transfer switch and by-pass switch
* Voltage output and current draw in the inverter
* DC filter capacitance
* Local and remote alarm lamps
* Verify Generator operation and interface

Contractor shall perform preventative maintenance ("PM") at least three (3) times a year on all applicable UPS. During each PM, Contractor shall:

Battery Room Environment: Check the general appearance of the batteries and area Record ambient temperature and note changes in temperature and battery appearance. Verify that the air conditioning and ventilation equipment is working.

Battery Inspection: Visually inspect each battery, and the supported racks. Check batteries for signs of damage, staining, corrosion, and excessive swelling. Clean container tops, racks, and battery room. Ensure all rack support s are checked for corrosion, deformity, and physical damages. Repair as necessary.

Charging System: Check that the charging system is operating properly. Compare the recommended float voltage for the system to the actual output and reading on the panel meter. Adjust and correct as required.

Battery Capacity Testing: Perform a momentary high rate load (integrity) test by placing a 100 amp load for 10 seconds across each battery and measure and record the voltage drop under load.

Individual Battery Terminal Temperature: Measure and record the temperature of the negative terminals of every fourth battery using a non-contact (infrared type thermometer. If the maximum battery temperature variation is greater than 5 degrees F., the cause shall be found and eliminated as failure to balance temperatures in the battery system could dramatically decrease battery capacity and service life.

Connection Maintenance: Randomly check the torque on 10% of the inter-unit connections. Once a year, measure and record the inter-unit connection resistance of each battery using a Digital Low Resistance Ohmmeter ("DLRO") and/or retorque every inter-unit connection to battery manufacture's torque specifications.

Reports and Graphs: Provide a detailed written monthly report describing the condition of the batteries and any additional corrective maintenance required or recommended.

2.2.4 Network Operation Center / Network Management System

Hours of Operation

Contractor's NOC shall be staffed on-site and operate 24 hours a day, seven (7) days a week, 365 days a year (24 x 7 x 365).

Qualifications Requirements for NOC Technicians

In addition to the requirements stated in herein, refer to Exhibit C for further Job Descriptions and Qualifications.

General Scope and Requirements:

The existing Network Management System ("NMS") is currently hosted on a SUN Microsystems workstation using OpenView software. The NMS shall monitor all network components using standard SNMP applications. An audit trail of system operations and configuration changes shall be maintained by the Contractor using the NMS. The Contractor shall provide the following network management functions using the NMS applications:

1. Fault management.
2. Configuration management.
3. Performance monitoring management.

4. Accounting management.
5. Security management.
6. Remote monitoring
7. Network utilization report
8. Network errors report.

All network components shall be SNMP manageable and conform to RFC 1157. Online system health monitoring shall be provided for verifying the health status of major network components and to support software and hardware maintenance activities.

Functions of the NOC include:

a. Continuously monitor the health of all IT infrastructure hardware and the Airport's business-critical systems to ensure optimal network connectivity and performance
b. Identify potential problems in circuits, hubs, routers, servers, hardware and applications before end-users are affected
c. Report outages
d. Dispatch technicians
e. Manage with appropriate parities any moves, adds, and changes to the network
f. Schedule equipment maintenance
g. Monitor network security
h. Provide availability measurements
i. Accept incoming Help Desk request for network assistance according to established procedures
j. Provide outbound notification of service interruptions to identifies points of contact
k. Track, monitor, resolve, and report all open trouble tickets assigned to the NOC
l. NOC Technician shall 'ping' to determine availability and round-trip response time for selected network systems, and trace route information
m. Periodic Adhoc Reports

NOC Service Requirements and Deliverables

NOC Service Requirements and Deliverables shall include, but is not limited to the following.

a. Staff and manage a 24 x 7 x 365 Network Operations Center on-site at the Airport.

b. Demonstrate that NOC staff consists of individuals certified in Cisco, Nortel and Marconi Networking and Switching, Asynchronous Transfer Mode ("ATM"), Ethernet technology and equipment.

c. Log all requests and resolutions.

d. Meet Service Levels for problem resolution and escalation

e. Document and report on network-related availability metrics, including but not limited to the following:

   * Inventory information reports from applicable managed nodes and endpoints generated after scans of desktops for applications and platforms.
   * Monitoring profile reports (standard and customized) of the network's environmental parameters such as disk space and CPU utilization.
   * Reports on specific network hardware devices and monitoring network utilization.

f. Other analyses based on NOC data may be requested on an as-needed basis. The frequency of standard reports shall be monthly or as requested by Airport ITT.

g. Maintain hourly log of ALL NOC Alarm activity.

h. Respond to monitored alerts and perform first level diagnostics to identify problem. Open trouble ticket and provide details to assist next level of support. Escalate problem as necessary.

Service Level Requirements

In conjunction to the service level requirements shown in 2.2.10, Contractor shall achieve the following for ***all Common Use Infrastructure:***

Service	Service Level
Performance	▪ The Airport standard is no down time; however, understanding that a service window is required to perform maintenance, network reliability shall be 99.98%
System availability	▪ Network up-time to be 99.98% or greater during peak Airport business hours between 7.00 a.m. to 11:00 p.m., seven days a week. ▪ Any non-emergency network downtime shall occur after five (5) working days notification has been provided to MDAD and its Users/Tenants.
Problem determination and resolution.	▪ Critical Equipment, including Circuits, infrastructure, applications, and servers: Immediate response 24 hours a day, seven (7) days a week. Resolution / fix 2 hours for 98% of all problems. ▪ Non-critical systems: Resolution / fix 4 hours for 98% of all problems

Penalties:

Two or more documented complaints in any given month from MDAD management or Users/Tenants regarding the inattention to alarms, failure to respond, or professionalism of Contractor's employees shall result in penalties being invoked. Penalties will also be invoked if Uptime falls below 97% in any given month. Refer to *"Penalties for Non Performance"* Article in the Agreement.

Milestones - Submittals

Contractors shall provide a NOC Staffing Plan developed and presented for MDAD's approval. This is required no later than thirty (30) days following the issuance of authority to proceed.

Contractor's NOC Operational Plan developed and presented for MDAD's approval. The Operational Plans shall detail the Contractor's approach to the management, operation, and maintenance activities that shall be conducted to ensure that the performance levels specified in the SLAs are met. This is required no later than thirty (30) days following the issuance of authority to proceed.

2.2.5 Help Desk / Call Receipt Center

Hours of Operation

Help Desk shall operate 24 hours a day, seven (7) days a week, 365 days a year (24 x 7 x 365) on-site at the Airport. (Note: From 10:00 pm to 7 am Contractor's NOC could answer, log and if necessary, dispatch appropriate on-call technician to assist with the problem.

Qualification Requirements for Data Services Technicians

In addition to the requirements stated in herein, refer to Exhibit C for further Job Descriptions and Qualifications.

Help Desk Service Requirements and Deliverables

a. The Contractor shall be responsible for maintaining coverage in accordance with this article in the Agreement, of the CRC for MDAD and SATS customers at the Airport, in order to coordinate repair services.

b. The Help Desk shall be responsive to customer needs and requests. The main components of the Help Desk shall consist of:

- The telephone Help Line (Number) provided by County.
- Help Desk/Trouble ticket software shall be provided by Contractor. This system shall be used to log, track, escalate and close reported trouble items. At any time during the course of the Agreement, MDAD may require Contractor to use and maintain and configure County provided software for this function.
- Contractor shall configure the software to meet Airport's Requirements. Such configuration must be completed within 90 days from start of transition.
- Support Staff, provided by Contractor.

c. The Help Desk software provided by the Contractor shall include the ability to:

* Automatically assign ticket number
* Track open and closed tickets
* Forward tickets and dispatch orders
* Provide audit trail of where a service order or trouble ticket has been and how long it remained at each service level
* Allow analysis of history of specific user or device/software types
* Capable of integrating with Airport's Microsoft Outlook Email system
* Track problems by component type, location, and users
* Provide summary and detailed reports

Upon Termination or Expiration of the Agreement, Contractor shall abandon-in-place all Contractor provided Help Desk software, application and database. All rights to license and use shall be transferred, in writing, to the County. The Parties agree Contractor received full compensation for all rights, licenses and cost associated with use of such software, parts, or equipment through the monthly management services fees.

d. The Contractor shall obtain from all Users and Tenants the following information:

* Account (Tenant) name
* Their name and phone number
* Their location
* Detailed description of the problem, including type of device or system
* Exact location of device
* Asset Number
* If telephone related, provide name of service provider, main telephone number (ILEC/CLEC account number) and telephone number of defective device, if applicable
* Business hours of locations

e. Provide staff to operate a 24 hours a day, seven (7) days a week, 365 days-a-year ("24 x 7 x 365") Help Desk on-site at the Airport. (Note: Contractor could elect to have the NOC cover the help desk calls during late night and early morning hours).

f. Help Desk support for the Users shall include notifying appropriate dispatcher/department in response to alarms, complaints, and requests for service. Activities to be coordinated through the Help Desk include trouble reporting, trouble detection/reception, notification, verification, location and repair, repair verification, and acceptance testing.

g. Maintain automated logs of all requests for service or assistance and resolution of calls in a Help Desk/Trouble Ticket Software System provided by Contractor.

h. Meet Service Level Agreements ("SLAs") for problem resolution and escalation.

i. Document requests for new service and routine moves, adds, and changes ("MACs"), assign ticket number for tracking purpose and route to appropriate MDAD or Contractor dispatcher for MAC processing / approval.

j. Anticipate and be responsive to high call volumes during the transitional phase of building occupancy and holidays.

k. Document and report on Help Desk operational metrics, including activity logs and Service Levels. Frequency of reports shall be bi-weekly or as requested by MDAD. Upon analysis of these metrics, the Contractor shall address and remedy any systematic problems or negative performance trends.

l. Provide Level 1 telephone support to MDAD Employees for Microsoft Office Applications.

The process begins the moment the Help Desk function is informed of a service problem affecting a user.

Once a Help Desk Customer Service Representative ("CSR") is informed of such a situation, a ticket is created and the ticket number is given to the user calling in the problem. The CSR shall then notify the appropriate dispatcher to rectify the problem.

The CSR tracks the corrective maintenance activity and activates the escalation process described herein. The reporting user is kept informed of each level of escalation invoked until the problem is resolved.

Once the problem is resolved, the CSR notifies the reporting user and then ensures the repair ticket is closed.

Milestones - Submittals:

The Contractor's Help Desk Staffing Plan shall be developed and presented for MDAD's approval. The staffing plans shall detail the Proposer's anticipated level of staffing and organizational arrangements that the Contractor believes will best meet the needs of the Airport as described in this Specification. The Contractor shall present organization charts with personnel complements specified and a description of performance standards and objectives for each position to be maintained by the Contractor in the performance of its duties pursuant to the Agreement. Assignment of Work within the proposed team should also be described.

The Contractor's final Help Desk Operational Plan developed and presented for MDAD's approval. The Operational Plans shall detail the Contractor's approach to the management, operation, and maintenance activities that shall be conducted to ensure that the performance levels specified in the SLAs are met. Contractor shall submit these milestones submittals as part of its **comprehensive** detailed Transition-in Plan for MDAD's approval thirty (30) days prior to start of transition period.

Service Level Requirements

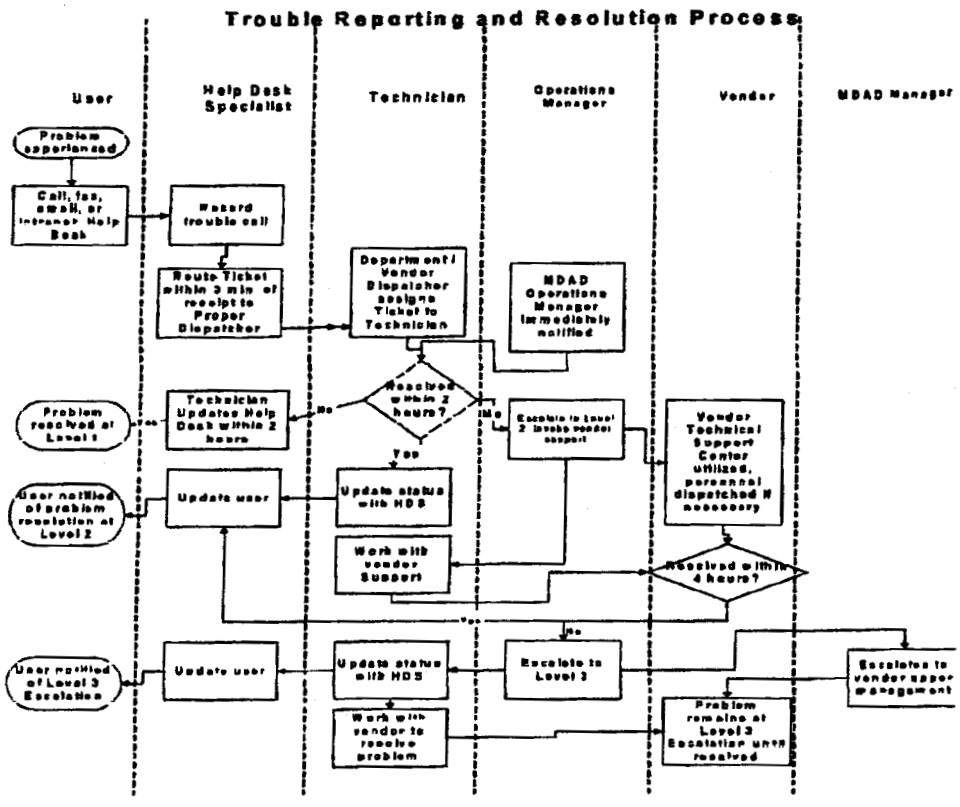
The following matrix provides a summary of the levels of services required for the Help Desk:

Help Desk Service	Service Level
Call Reception	▪ 24 hours per day, 7 days per week, 365 days per year ▪ Average time on hold not to exceed one (1) minute
Trouble Ticket Issuance	▪ 100% of calls
Escalation Assistance	▪ 100% of all Trouble Tickets to be tracked by Help Desk Staff ▪ All Trouble Tickets assigned to Level 1 within 3 minutes from receipt of call. ▪ CSR to escalate all problems not resolved within 2 hours ▪ CSR to escalate all problems not resolved within the six-hour combination of Levels 1 and 2 are escalated to Level 3.
Trouble Ticket Resolution	▪ 95% of Trouble Tickets to be closed/resolved within 24 hours. ▪ 100% of Trouble Tickets to be closed/resolved within 72 hours.
Customer Satisfaction Survey	▪ Annual surveys of Help Desk End Users (Airport employees and Tenants) to yield an average rating of "superior" or better (98% or higher).

Penalties:

Five or more documented complaints in any given month from MDAD management or Users / Tenants regarding the responsiveness, or professionalism of Contractor's employees shall result in penalties being invoked. **Refer to *"Penalties for Non Performance" Article* in the Agreement.**

Example of Help Desk Flow Chart



2.2.6 Hardware / Software Configuration

Hours of Operation

Service shall be provided 24 x 7 x 365. Technical staff on-site 7:00 A.M. – 11:00 P.M. Monday through Friday with an on-call function Monday – Friday, from 11:00 P.M. – 7:00 A.M and 24 hours a day week-ends and holidays. The Contractor shall have "on call" trained personnel to cover all of the systems as specified herein.

The Contractor shall provide MDAD, for Approval, a general description of its daily staffing requirements that will apply over the term of the Agreement. Staffing plans may be modified from time-to-time by written Agreement of both parties.

Technician Qualifications

In addition to the requirements stated in herein, refer to Exhibit C for further Job Descriptions and Qualifications.

Hardware / Software Configuration, Software modifications, and Database Entry Service Requirements and Deliverables

The Contractor shall be responsible for configuring software (including County owned software) and hardware as may be required for maintenance, the projects or jobs assigned, and to provide a turnkey system.

These services include but is not limited to, maintaining configuration files, PBX and network devices configuration, Help Desk Software customization and maintenance, Network Management System network configuration & graphics, and Cable Management System data entry.

If the Contractor does not have the expertise in-house to configure software/hardware on any of the above systems, utilize the services of subcontractors, provided they are factory certified to work on the System. All such cost shall be deemed to be included in Contractor's proposal/bid and is incorporated herein as part of the monthly/annual Service Agreement Fee. In any event, the Contractor shall provide MDAD with the appropriate Documentation detailing software and hardware configurations provided.

2.2.7 Move, Add and Change Services Description

Hours of Operation

The Contractor's staff shall be available on site to perform the services outlined in this section Monday through Friday except Holidays. Staff normal work hours shall coincide with the hours necessary for the nature of the work. The County shall not pay overtime for work that would normally need to be done in the evening hours due to Tenant or MDAD operations.

Technicians Qualifications

In addition to the requirements stated in herein, refer to Exhibit C for further Job Descriptions and Qualifications. Contractor shall perform work outside of these hours when required and approved by MDAD.

MAC Service Requirements and Deliverables

Contractor shall be responsible for performing moves, adds, and changes in addition to implementing new service.

Installation Time Intervals

Routine additions, deletions and relocations (also known as moves, adds, and changes) shall meet the standards stated below depending on their number, assuming that conduit, power, and other required facilities are existing at the time of the work order. Contractor shall be required to obtain all necessary permits and licenses.

Requests for moves, adds, and changes shall be completed by Contractor as defined below. However, Contractor shall endeavor to improve upon all completion durations below throughout the term of the Agreement.

WORK REQUEST	COMPLETION DURATION
MAC Qty 1 – 5	Completed and fully operational within a maximum of 24 hours of request
MAC Qty 6 – 10	Completed and fully operational within a maximum of 48 hours of request
MAC Qty 11 – 50	Completed and fully operational within a maximum of 5 days of request
Over 50	Individual case basis to be mutually negotiated
	In the event equipment is not in stock, MACs shall be completed and fully operational within the time frames shown once the equipment is received on site.

Any other work requests shall be completed and made operational in time scales mutually agreed between MDAD, its Users/Tenants.

The Contractor shall keep staffing levels and technicians on hand to meet the above completion requirements. The Contractor shall be responsible for directly coordinating with the Tenant and/or local service provider until the MAC is complete.

Priority moves, adds and changes are those that are designated a "Priority" by MDAD. Priority Work shall have written justification and be approved by MDAD IS & T. Priority work orders shall supersede other work orders and will be worked on and completed as soon as possible by the Contractor. The due date for routine work orders shall be adjusted for delays caused by priority work orders. For all conflicts of schedule, MDAD shall be the final authority on the final timing and have responsibility for the resulting impact on other work and Equipment.

Penalties:

Five or more documented complaints in any given month from MDAD management or Users/Tenants regarding the responsiveness, ability to complete the Work in the duration shown above, or professionalism of Contractor's employees shall result in penalties being invoked. Refer to *"Penalties for Non Performance" Article* in the Agreement.

2.2.8 Circuit Engineering and Documentation

Hours of Operation

The Contractor's staff shall be available on site to perform the services outlined in this section Monday through Friday except Holidays. Staff normal work hours shall coincide with the hours necessary for the nature of the work. The County shall not pay overtime for work that would normally need to be done in the evening hours due to Tenant or MDAD operations.

Circuit Engineering and Documentation. Service Requirements and Deliverables

Standard Circuit Specifications – All new Circuits engineered shall conform to the same specifications as similar circuits installed in the regulated telephone environment.

The Contractor shall compile and maintain a complete catalog of circuit offerings at the Airport including circuit type, description, worst case circuit parameters, thresholds where the circuit shall be deemed unusable and in need of repair and special requirements for end user provided terminating equipment.

The Contractor shall update this catalog for its own use. One updated copy of this catalog shall be maintained by Contractor at MDAD Telecommunications for reproduction and distribution to Tenants, agencies and other users of MDAD telecommunications facilities.

Custom Circuit Types - Custom Circuits shall be defined as circuit types that have not been previously engineered or provisioned at the Airport The Department shall supply end-to-end specifications for these circuits to the Contractor. The Contractor shall engineer these circuits at the Department's request and thereafter add these circuits to the catalog of available circuit types.

Repeaters, special conditioning equipment and circuit terminating equipment - necessary for the successful performance of these circuits shall be properly documented. This equipment shall be installed, tested and commissioned at the Department's cost. Test results for the circuit shall be documented and compared against the engineering worksheet for each specially engineered circuit.

Special Maintenance Spares - It is recognized that special circuits may require equipment that is presently not part of the spares inventory. Per the requirements outlined in 1.2.15 and 2.2.15, in cases where this occurs, the Contractor shall be permitted to purchase a quantity of repair parts sufficient to maintain the circuit in the event of component failure. These maintenance spares shall be included in MDAD master component list as long as one or more of the circuits is in use.

Documentation - The following Documentation shall be provided by Contractor:

1. Cable Management System - All voice, data, video and other circuits shall be engineered and documented in MDAD cable management system by the Contractor. (Refer to Section 2.2.22) This engineering includes circuits which are provisioned over copper and fiber facilities and virtual LAN and wireless circuits which are provisioned over MDAD local area networks.

2. Circuit Engineering Worksheets shall be provided for all circuits either as part of the cable management system application or as part of a separate database. These worksheets shall reflect the beginning, end and all intermediate points of connection for each circuit and parameters

such as loop resistance, attenuation, optical loss, etc. which are relative to the type of circuit being engineered.

3. As-Built Drawings - Any Work performed by the Contractor, which involves (i) additions or changes or deletions to equipment, (ii) cabling, or (iii) raceways shall be reflected in the as-built drawings provided by MDAD. Existing drawings shall be made available to the Contractor in read-only form on MDAD server. With each change, the Contractor shall download the appropriate drawings, incorporate the latest changes, and mark the drawing with the next revision level and date. The Contractor shall transmit the revised drawing to both the MDAD CAD Manager and the Project Manager. The CAD Manager, after reviewing the changes will replace the previous version of the drawing on the write protected server. One plot of the revised drawing will be transmitted to the Contractor via inter-office mail for the purpose of updating the PDS record set of drawings.

4. The Contractor shall provide and maintain complete technical and systems documentation. The extent of the documentation required shall include, but not be limited to, all technical manuals, key sheets, system's printout, cable records up to the IDF level for existing structure installed at beginning date of the Agreement and for installations completed after that date, sketches, blueprints, CAD drawings with soft copy and as-built documentation provided by MDAD, and users handbook.

5. The Contractor shall establish and maintain complete project documentation and documentation of all Equipment, including installation instructions, if appropriate, and shall deliver same to the County throughout the course of the Agreement. All documentation shall be available to the IS&T Assigned Department Manager / County at any time during the Agreement upon request.

6. All documentation when delivered with any Equipment purchased by the County shall be available to the County in a designated area, agreed upon by both the County and the Contractor. Contractor shall execute any and all documents needed or requested by the County to perfect the County's right, title or interest in the System documentation and any other records.

7. The Contractor shall provide Telecommunication Topology drawings as requested by the County.

8. The Contractor shall maintain, keep current and publish monthly an inventory of all telephone switches.

Service Level Requirements

Documentation: All such documentation shall be delivered at time of installation, but in no event, later than 30 days after completion of change, work, or addition.

Circuit: All circuit types shall be completed within 11-15 days from the date the circuit has been ordered.

Penalties: Two or more documented complaints in any given month from MDAD management or Users/Tenants regarding the Contractor's responsiveness, or inability to complete the Work in a timely manner shall result in penalties being invoked. Refer to *"Penalties for Non Performance"* Article in the Agreement.

2.2.9 Preventative Maintenance Services

Hours of Operation

The Contractor's staff shall be available on-site to perform the services outlined in this section Monday through Friday except Holidays. Staff normal work hours shall coincide with the hours necessary for the nature of the work. The County shall not pay overtime for Work that would normally need to be done in the evening hours due to Tenant or MDAD operations.

Service Level Requirements

The Contractor shall develop a comprehensive routine preventive maintenance plan, and submit to MDAD within 120 days after Agreement Award Date. Preventative Maintenance Plan shall include each of the following elements:

(a) Each element of voice or network systems and equipment shall be monitored for performance on a continuous basis. In addition to reporting of failed equipment, thresholds shall be established to report traffic problems or abnormal latency. Statistics shall also be required for management reports that outline system capacities and utilization levels.

(b) Regular periodic performance testing shall be provided for each element of active electronic equipment, that is not continuously monitored. This periodic testing shall be performed in accordance with manufacturer's published preventive maintenance procedures. Where no published preventive maintenance plan exists, measures, that are acceptable to MDAD Telecommunications, shall be implemented. The Contractor shall make special provisions (whether self-performed or via subcontract) to clean optical fiber connectors, battery cable terminations and other connections, which require periodic cleaning to avoid performance degradation.

Note: Each telecommunications equipment room shall be provided with periodic cleaning to ensure an environment that is suitable for the equipment. This cleaning (whether self-performed or via subcontract) shall ensure a dust free environment, removal of debris and cleaning of equipment, cabling and terminations for all primary and Special Equipment Rooms.

(c) The preventive maintenance plan shall include routine replacement of lamps, indicators, protectors, batteries, DC power plant equipment, 48VDC powered inverters and other components, which may fail through normal use. The preventive maintenance plan shall not include requirements for replacement of equipment room lighting components, air conditioning filters, ceiling tiles and other components

that are part of the building and are not related to the network itself. The preventive maintenance plan shall require that these latter items be reported to MDAD Facilities Maintenance if found to be defective or in need of repair. The Preventive Maintenance Plan shall include operation and maintenance of DC plant in IDF rooms that support switching equipment.

(d) Each month, the Contractor shall provide MDAD with a written report detailing the results PM, inspections, report of corrections or adjustment, and make specific recommendations toward future remedial actions, upgrades or sparing.

(e) The Preventative Maintenance Plan shall include provisions for non-scheduled maintenance and repair of equipment that may fail or degrade during normal operation.

(f) Preventive maintenance shall be completed on a monthly schedule. The schedule shall be planned in advance and entered into the Preventive Maintenance section of the activity log. All Equipment shall be identified location, room number and system address where applicable Each month completed Preventive Maintenance log shall form part of the Monthly Report.

(g) Devices identified as 'deteriorating' and 'needs replacement' shall be brought to the attention of in writing with a copy to MDAD.

(h) Contractor shall actively work with vendors to resolve repeat issues.

(i) Preventative Maintenance shall be performed in accordance with the manufacturers' requirements. Preventative Maintenance shall only be carried out on Equipment and Networks that are not in use and in such a way that it shall not affect the Service Levels or disrupt User's operation.

(j) PM that disrupts services to MDAD and tenants shall be coordinated in advance with the affe3cted groups by the Contractor.

(k) Definitions of "good", "deteriorating" and "needs replacement":

Device	Good	Deteriorating	Needs replacement
All Equipment & devices including routers, switches. Cables including power leads and network connection cables	Meets manufacturers operating requirements and no visible damage to cables	Marginally meets manufacturers operating requirements but there is visible damage to cables, device. Performance is perceptually degrading with time	Fails to meet manufacturers operating requirements

Penalties: Penalties will be invoked if degraded service or Equipment failure is found and documented to be caused by lack of maintenance required. Refer to "Penalties for Non Performance" Article in the Agreement.

2.2.10 Maintenance and Trouble Resolutions

Hours of Operation

Service shall be provided 24 x 7 x 365.

Voice staffing requirements: Technical staff on-site 7:00 A.M. – 11:00 P.M. Monday through Friday with an on-call function Monday – Friday, from 11 00 P.M. – 7:00 A.M and 24 hours a day week-ends and holidays. The Contractor shall have "on call" trained personnel to cover all of the systems as specified in the Requirements of the Agreement.

Data staffing requirements: Technical staff shall be on-site 24 X 7 X 365. At a minimum, at least one (1) Network Engineer will be on-site at all times.

Qualification Requirements for Services

In addition to the requirements stated in herein, refer to Exhibit C for further Job Descriptions and Qualifications.

Maintenance and Trouble Resolution Service Levels, Requirements and Deliverables

The Contractor's Help Desk/Call Receipt Center shall issue service tickets and contact the assigned personnel responsible to perform such repairs for major or minor failures in accordance within the time frames described in this Specification. The dispatched personnel shall be responsible for having the appropriate repair stock equipment and also for properly returning the equipment for repairs or replacements. The dispatched personnel shall be responsible for keeping the CRC informed of problems, and reporting to MDAD a real-time status of repair progress. After hour calls shall be routed Technician on call.

The Contractor's dispatched personnel shall coordinate with MDAD, local service provider, or SATS customer as required and MDAD shall make the determination as to the type and quantity of resources required to correct the problem, if necessary.

Should a major outage be related to the local operating company's network, the Contractor's personnel shall act as the County's agent to open a repair ticket with the local exchange company and work on behalf of the County, as commercially reasonable and necessary, to troubleshoot the problem until the major outage is corrected. The Contractor shall also coordinate access issues directly with the user. The County requires the Contractor to propose spare parts levels for the various systems in order that the repairs can be made in a timely fashion based on the classification of the repair as described in this Specification.

In case of emergency during after hours, Contractor shall proceed to attempt to repair while continuing an attempt to contact MDAD per the escalation notification list to be provided by the Contractor, based on information provided by MDAD.

Critical events shall be reported immediately to the Operations Manager and the IS&T Manager. The applicable resources shall be mobilized to respond to the Critical event.

The Contractor shall guarantee specific levels of performance and availability for each segment of the network described in this Specification.

All Service Levels shown in this Specification shall be adhered to. Circuit segments and their required level of availability include the following:

a.	Voice Circuits	99.98%
b.	Data Circuits (Point-to-Point)	99.98%
c.	LAN Circuits	99.98%

Availability shall be calculated on a monthly basis. Availability shall be calculated based on the following formula:

$$\textbf{Availability} = \frac{\text{Available Time} - \text{Downtime} \times 100}{\text{Available Time}}$$

Available Time: The number of circuits of a given type multiplied by the number of hours in the month.

Downtime: The sum in hours of all circuit outages or performance degradation commencing when the trouble is reported and ending when the trouble ticket is completed and closed out. For aggregate services such as T1 circuits downtime shall be the sum of the outage duration times the number of active channels (24) contained in the aggregate circuit. LAN downtime shall be the outage duration times the number of ports, which are reported as out of service or suffering from degraded operation.

Penalties: Service response and restoration to be performed as shown above or penalties will be invoked. Refer to "Penalties for Non Performance" Article in the Agreement.

2.2.11 Project Management Services

Project Management services shall include, but shall not be limited to:

1. Perform needs assessment, field surveys, and cost estimates
2. Oversee all work orders from start to finish
3. Design telecommunications systems to meet user requirements
4. Design Inside/Outside Plant and network changes and extensions
5. Provide MDAD with requirements for Building Projects
6. Coordinate installation of MDAD infrastructure and equipment
7. Competitively bid sub-contracts for execution of this work
8. Manage telecommunication construction related activities and coordination with related work contractors
9. Update MDAD as-built CAD drawings for the managed infrastructure

Hours of Operation

The Contractor's staff shall be available on-site to perform the services outlined in this section Monday through Friday except Holidays. Staff normal work hours (typically 8 am – 5 pm) shall coincide with the hours necessary for the nature of the work. The County shall not pay overtime for Work that would normally need to be done in the evening hours due to Tenant or MDAD operations.

Qualifications Requirements for Services

In addition to the requirements stated in herein, refer to Exhibit C for further Job Descriptions and Qualifications.

Service Levels, Requirements and Deliverables

New projects shall be on a work order basis, as approved in writing by the MDAD Project Manager or agent authorized in writing by the Project Manager. Each authorization shall be accompanied by a written scope of work, and conceptual drawing where appropriate. No projects are to be undertaken without this authorization.

In the case of new buildings where services do not exist, or additional services to existing buildings, the County shall either provide the Contractor with conduit or a suitable path to access the service demarcation point, or request the Contractor to provide such conduit at a cost approved in writing by the County.

If, at the request of the County, the Contractor provides the conduit, the County shall reimburse the Contractor for the approved cost of providing the conduit. Upon the request of the County and advice as to the Work to be performed by the Contractor, the Contractor shall manage same in accordance with the provisions stated in the Agreement.

Once a project has been authorized, the Contractor shall obtain required permits, execute and coordinate the design and estimate the cost of construction. On projects that involve only the telecommunications systems, the design shall be coordinated with MDAD IS&T Division. On multi-discipline projects this coordination shall include designers of other disciplines or other MDAD Divisions that may be involved in the project.

Design and estimating services shall be provided directly by the Contractor or under a sub-contract agreement with a qualified

telecommunications design firm. MAC or day-to-day operation of the system shall not be affected as a result of the Contractor's role in new projects.

A. All design work performed under the awarded contract shall be in full compliance with MDAD, EIA/TIA, BICSI and other applicable standards. Drawing files for existing portions of the system shall be obtained from MDAD staff. These drawings shall be modified and supplemented as required to include the new work. These drawings are to be supplemented with specifications, standards and other information to form a competitive bid package for the work. In all cases, new Work shall be specified to be uniform with existing installations and equipment of similar nature at MIA. MDAD Telecommunications shall approve any deviation or changes in advance.

B. Subcontractors shall only be used, subject to prior written approval from the Department, when the Contractor's existing work force is unable to perform project management services within established time frames.

C. Where subcontracting is required, all new design packages shall be competitively bid by three (3) qualified telecommunications contractors. The Contractor shall conduct and manage this bid process in a fair and professional manner. Unless otherwise approved by MDAD Telecommunications, the Contractor shall accept the lowest responsive bidder in each subcontract category for execution of the work. If required by MDAD, the Contractor shall provide appropriate documentation to MDAD to verify the process. Use and MDAD Approval of Sub-contractor is conditioned upon compliance with County's Rates, Code, Permit fees and other requirements and charges.

D. The Contractor shall supplement its workforce as necessary to provide construction administration services for authorized projects. This administration work shall include attendance of construction meetings, inspection of installed work, coordination with related work trades and resolution of issues that arise in the course of construction. All labor for performance of purchase order contracts shall utilize Contractor personnel who are not involved in normal operations, maintenance and MAC contract activity. Contractor shall ensure sufficient reserves of personnel are available for delivery of services and to manage backlogs.

E. All projects shall be segmented into elements of design, bidding and negotiation, and construction administration services. The cost of this Work to the County shall be the sum of the lowest responsive subcontractor bids plus an amount not to exceed ten percent (10%) of the price of the subcontractor's work.

F. The construction administration work for authorized projects shall include attendance of construction meetings, inspection of installed work, and coordination with related work trades and resolution of issues that arise in the course of construction.

G. As-Built Documentation shall be maintained for all authorized projects. The Contractor shall revise existing drawings affected by or involved in a new project. These drawings shall be produced or modified in electronic form and delivered in both electronic and hard copy to MDAD IS & T. Where an existing drawing is involved, the Contractor shall obtain a current copy of the drawing in electronic form, incorporate revisions to the drawing and return the drawing to the MDAD as-built archive with a new revision level.

H. All special projects shall be broken into elements of design, bidding and negotiations, and construction administration services. The cost of this Work to the County shall be the sum of the lowest responsive subcontractor bids PLUS an amount not to exceed 10% for Contractor's participation in the work. All such projects shall be authorized by purchase order and procured and paid for according to existing County procurement policies. Contractor personnel involved in special projects shall be separate from staff involved in normal operation, maintenance and move-add-change activities.

I. **Penalties:** Five or more documented complaints in any given month from MDAD management or Users / Tenants regarding the responsiveness, or professionalism of Contractor's employees shall result in penalties being invoked. Penalties shall also be invoked if Contractor fails to complete the Work within the agreed upon Project Schedule, Refer to *"Penalties for Non Performance"* Article in the Agreement.

2.2.12 Marketing and Providing New Shared Airport Tenant Services

Hours of Operation

The Contractor's staff shall be available on-site to perform the services outlined in this section Monday through Friday except Holidays. Staff normal work hours (typically 8 am – 5 pm) shall coincide with the hours necessary for the nature of the work. The County shall not pay overtime for Work that would normally need to be done in the evening hours due to Tenant or MDAD operations.

Qualification Requirements for Services

In addition to the requirements stated in herein, refer to Exhibit C for further Job Descriptions and Qualifications.

Service Levels, Requirements and Deliverables

The Airport has Tenants that require services (both voice and data) for their on-going operation. The skills necessary to provide quotations, perform voice and data systems engineering, understand the physical cable (copper, fiber, wireless) plant, and provide for provisioning and coordinating the installation of these services, shall be required by the Airport. Contractor shall be responsible to:

a. Provide engineering support to prepare quotations for service
b. Maintain and track quotations in an Airport-provided tracking system
c. Provide provisioning support to deliver services
d. Coordinate with outside providers for extraordinary service items

e. Produce and distribute informational brochures to SATS customers and prospective customers.
f. Market SATS to prospective customers.
g. Develop competitive pricing structure(s) for offered services.
h. Ensure Tenant is billed properly and in a timely manner.
i. Obtain MDAD Telecommunication Manager's review and approval of all new SATS.

Contractor shall be responsible for providing and managing Shared Airport Tenant Services for Voice, Data and Point-to-Point Connectivity. Request for such services may encompass one or more of the following services:

1. Voice: PBX Telephone Service or VOIP
2. Point-to-Point: Internal connections originating and terminating on the MIA campus. Dry Copper pairs for DSO (Voice, Private Line or subrate data), DS1 (full rate date) or Dark Fiber for T3, OC3, OC12 and OC48.
3. Data: External connections originating off MIA campus. DSO (Private Line & Subrate data), DSI (full rate data, and T3, OC3 or OC12.

An initial request for connectivity service may be generated when a new Tenant receives an Occupancy Packet that includes the Request for Service Forms or when the Help Desk receives a request for Service Order.

Upon receipt of the Service Order, Contractor's Telecommunication Specialist ("TS") shall determine the Work to be done. The TS shall coordinate with the user, the communications infrastructure staff and the service provider to ensure the Work is properly performed and meets the Tenant's needs. TS shall build the work order ticket, check the Tenant lease/space agreement and meet with requester to confirm their needs and information. MDAD must approve all price quotes before work proceeds. Upon such approval MDAD will issue an IPON to Contractor approving the work.

After receiving MDAD's approval, the TS shall complete the pre-order analysis and design, categorize service type, assign an order number and due date. TS shall advise Circuit Facility Assignment ("CFA") and order number information to the service provider or shall ensure Tenant has these numbers and relays them to their Provider.

TS shall work with assigned technician to coordinate work, including cross connects, test and turn up circuit. The Technician shall be responsible to perform, in a timely manner, remote test and test access point at the Minimum Point of Entry ("MPOE"). The Technician shall test at Litespan port with test set, or if applicable, provide loop back towards the Service Provider, and shall verify and report circuit complete to the service provider. The Technician shall also conduct test at the wiring closet demark. The Technician shall assist the Tenant/User to test dial

tone (for POTS) and perform end-to-end test between User and Service Provider as might be applicable for example a DS1.

The TS shall remain the point-of-contact for the Tenant/User until completion of testing and Turn-up, obtains Tenant's confirmation and the order number is closed. Service Level for this is 11 – 15 days to complete.

The Contractor shall not provide communications services to other entities using MDAD telecommunications infrastructure without the written consent of MDAD. During their respective work hours, Contractor's on-site employees shall only engage in activities on behalf of MDAD and the SATS customers of the Department as provided in the Agreement.

Penalties: Two or more documented complaints in any given month from MDAD management or Users/Tenants regarding the responsiveness, accuracy, ability to complete the Work within the required Service Level shown above, or professionalism of Contractor's employees shall result in penalties being invoked. Refer to "Penalties for Non Performance ' Article in the Agreement.

2.2.13 Training Programs

Hours of Operation

The Contractor's staff shall be available on-site to perform the services outlined in this section Monday through Friday except Holidays. Staff normal work hours (typically 8 am – 5 pm) shall coincide with the hours necessary for the nature of the work. The County shall not pay overtime for Work that would normally need to be done in the evening hours due to Tenant or MDAD operations.

Service Levels, Requirements and Deliverables

All Contractor provided training to County employees and Tenants shall include:

a. Training Plan approved by County
b. Training Manuals
c. Visual Aids
d. Hands-on Training

2.2.14 Configuration, Change, Asset Management

Configuration & Change Management shall include the ability to (1) understand and control the complex interrelationship of the various users, devices and systems on the network, and (2) monitor and control the introduction of change in the Airport's Infrastructure.

Contractor shall be responsible to maintain Configuration Files.

The Contractor shall work with MDAD and its Tenants in coordinating changes and definition of dependencies such as prerequisite and co-requisite changes.

In the event of an emergency, MDAD reserves the right to take a hands-on approach to fix the problem if the Contractor's personnel are not available or

is unable to resolve the problem. A strict configuration and change management process shall be adhered to, which documents all changes to the respective network. At the beginning of each year, the Contractor shall submit a configuration and change management procedural plan on a yearly basis for review and approval by MDAD.

Voice and Data Systems and infrastructure changes shall be approved by MDAD and a detailed record of all changes, updates and upgrades shall be reported monthly.

The Contractor shall give a minimum of three (3) business days advanced written notification of all planned changes/preventive maintenance activities on MIA managed components prior to the activity. Further, MDAD and its Tenants shall also be notified of any activities that may affect MDAD or Tenant equipment such as shutdown of air-conditioning or planned power outages. The written notification shall contain the following information:

- Description of activity
- Reason for activity
- Expected outcome
- Schedule of events
- Impact (real and potential) on Customer
- Potential Risks
- Contingency Plan

Hours of Operation

The Contractor's staff shall be available on-site to perform the services outlined in this section Monday through Friday except Holidays. Staff normal work hours (typically 8 am – 5 pm) shall coincide with the hours necessary for the nature of the work. The County shall not pay overtime for work that would normally need to be done in the evening hours due to Tenant or MDAD operations.

Service Levels, Requirements and Deliverables

The County, its Users and any third party that may be affected shall mutually agree upon all installed changes.

- For Contractor initiated planned changes; at least seven (7) days notice shall be given to the County and each affected Tenant or designated representative, including Airline HDQ representative. However, it is acknowledged the parties shall work together to develop a plan to expedite non-critical, non-platform changes.
- Unless, with prior unanimous agreement of the County and its Users, all planned changes are to be undertaken during Non-Operational Hours.
- Unplanned changes shall only be undertaken if the County and its User insist or agree that the work is essential to the operation and cannot be deferred, or, without notification in order to restore Service Availability.

- Installation of additional Equipment, which affects other devices, shall be undertaken during Non-Operational Hours.

Penalties:

Two or more documented system problems or failures caused by changes not managed or performed in accordance with the above requirements shall result in penalties being invoked. *Refer to "Penalties for Non Performance" Article in the Agreement.*

2.2.15 Procurement

Hours of Operation

The Contractor's staff shall be available on-site to perform the services outlined in this section Monday through Friday except Holidays. Staff normal work hours (typically 8 am – 5 pm) shall coincide with the hours necessary for the nature of the work. The County shall not pay overtime for Work that would normally need to be done in the evening hours due to Tenant or MDAD operations.

Qualification Requirements for Services

In addition to the requirements stated in herein, refer to Exhibit C for further Job Descriptions and Qualifications.

Service Levels, Requirements and Deliverables

A. Capital Expenditure Approval: The Contractor shall not make any capital expenditures except as expressly pre-approved by the Department in accordance with the Expenditure Authority article of the Agreement.

B. Installed Inventories: The Contractor shall provide and maintain an inventory of all hardware, devices and systems, including serial numbers, version number and locations for the Equipment and cost.

C. The Contractor shall establish appropriate controls, subject to review and approval by the Department, to deter pilferage, theft, conversion, disappearance, or other losses of County property from inventory.

D. The Contractor, throughout the term of the Agreement, shall maintain a current and up-to-date perpetual inventory listing. Following the completion of each inventory required herein, except that required prior to the effective date of the Agreement, the Contractor shall pay to the County the net book value of any losses from inventory resulting from the negligence of the Contractor. Nothing contained herein shall be construed to authorize the Contractor to dispose of any capital property of the County without the prior written approval of the Department.

E. **Purchasing Procedures**

1. The Contractor shall sell to the County, at State of Florida contract price, or other agreed fixed price, whichever is lower, or at a mutually agreed upon price if there is no State of Florida price applicable, all parts and equipment necessary to perform the Work under the Agreement.

2. The Contractor shall pass on to the County any additional discounts offered by the equipment vendors and invoice MDAD for the actual price, net of discount received for such equipment or parts by the Contractor.

3. For Special Project Work, at MDAD's option, the Contractor shall provide to MDAD three (3) qualified bids, if available, for MDAD's acquisition of specified parts, equipment, wiring, cables, materials, supplies, systems, sub-systems, or software necessary to provide the Services under the Agreement.

   All such parts, equipment, wiring, cables, materials, supplies, systems, sub-systems, or software necessary to provide the Services under the Agreement that have been approved in writing by MDAD, shall be procured by Contractor and invoiced to MDAD for actual cost incurred plus an amount not to exceed 10% handling fee.

4. The dollar threshold for purchasing equipment and parts, and appropriate authority levels are as described in the Expenditure Authority article of the Agreement. The Contractor shall obtain prior written approval in accordance with this schedule prior to purchasing any equipment or parts.

5. Procurement of major purchases, like a new PBX system, if not included in any of the existing contracts above, may necessitate the issuing of a separate solicitation document.

F. Deliveries and Shipping Costs

1. Deliveries of material shall be scheduled and handled solely by the Contractor. The Contractor shall assume all responsibility for the delivery of all purchased items. The Contractor shall make all deliveries of equipment and supplies in such manner and at such times and locations as may be reasonably approved. Emergency deliveries may be made at other times subject to prior arrangements with MDAD Telecommunications.

2. Shipping Costs: All shipments shall be via standard freight carriers and expedited shipment shall be utilized only when required and requested by MDAD.

G. Material storage space

The Contractor shall be provided storage space.

H. Instrument Inventory and Labeling

All major equipment installed or stored shall be inventoried, labeled and tagged in accordance with MDAD Capital Inventory Requirements. Disconnected equipment shall be de-inventoried and the paper work turned in as required by MDAD.

I. Equipment Provisioning

If the County requests refurbished or remanufactured Equipment, the Contractor shall provide County with the cost for the refurbished or remanufactured Equipment and shall provide the refurbished or

remanufactured Equipment upon County request. Contractor shall supply refurbished or remanufactured equipment only if said equipment is available via the Contractor's secondary market provider.

If Equipment is rejected by the assigned IS&T Department Manager or his or her designee, the validity of rejection shall be corrected with the terms of the Agreement. Contractor, if determined to be at fault, will as soon as practicable correct the Equipment. Failure of the Contractor to correct the problem(s) within 24 hours shall give the County the right to cease use of the Equipment and return it to the Contractor for full credit. Any installed but rejected Equipment shall be disconnected and removed by Contractor from the original installation site of the Equipment. Upon Equipment removal, the Contractor shall use all commercially reasonable efforts to return the site to its original condition.

The County reserves the right to request the Equipment manufacturer be brought on-site to provide technical support for the Contractor, if or when necessary.

J. Title

Title to Equipment and/or parts shall pass to the County upon the County's reimbursement to the Contractor of the cost of the particular item.

Penalties:

Two or more documented complaints in any given month from MDAD management or Users / Tenants regarding the responsiveness, accuracy, or professionalism of Contractor's employees shall result in penalties being invoked.

2.2.16 Maintenance of Spare Parts

Hours of Operation

The Contractor's staff shall be available on-site to perform the services outlined in this section Monday through Friday except Holidays. Staff normal work hours (typically 8 am – 5 pm) shall coincide with the hours necessary for the nature of the work. The County shall not pay overtime for work that would normally need to be done in the evening hours due to Tenant or MDAD operations.

Service Levels, Requirements and Deliverables

The Contractor shall recommend spare parts inventory (the "Spare Parts Inventory") which shall be stored and administered by MDAD in a County designated secured area to support both scheduled and non-scheduled maintenance and repair, to ensure prompt repair of Equipment and for MAC services. From time to time it may be necessary to add or delete certain items from the Spare Parts Inventory due to equipment obsolescence or changes in network configuration that preclude the need for these materials.

The Contractor shall regularly monitor the Spare Parts Inventory and recommend the addition and/or deletion of specific items. MDAD Telecommunications shall review the Contractor's recommendations and where appropriate, issue written direction for the addition and/or removal of items from the Spare Parts Inventory. The Contractor shall purchase on behalf of the County when and as required all parts necessary for the ongoing operation and maintenance of all telecommunication, and data.

The County reserves the right to request that the quantity of stocked spare parts be modified, based upon supply and demand to service the Airport. The Contractor shall supply refurbished and remanufactured equipment if said equipment is requested by the County and is available via the Contractor's general product provider.

2.2.17 SATS Order Taking and Billing

Hours of Operation

The Contractor's staff shall be available on-site to perform the services outlined in this section Monday through Friday except Holidays. Staff normal work hours (typically 8 am – 5 pm) shall coincide with the hours necessary for the nature of the work. The County shall not pay overtime for Work that would normally need to be done in the evening hours due to Tenant or MDAD operations.

Qualification Requirements for Services

In addition to the requirements stated in herein, refer to Exhibit C for further Job Descriptions and Qualifications.

Billing Submittals and Service Requirements

The Contractor shall provide and maintain computer hardware and Software associated any billing system the Contractor chooses to employ subject to approval by MDAD.

The Contractor shall provide a billing system that is compatible with MDAD's financial systems. These systems shall be maintained and operated at a level suitable to maintain the quality of service or additional requirements outlined in other sections of the Agreement and its ~~Specification. Back-ups shall be performed and maintained off-site by the~~ Contractor on all key technical systems to ensure data integrity. **If billing is found after two consecutive months to have excessive errors or delayed processing, penalties will be invoked. Refer to *Penalties for Non Performance* Article in the Agreement.**

Types of Charges

Contractor shall be responsible for ensuring the following charges are billed by the Airport for Shared Airport Tenant Service:

A. Monthly Recurring Charges – Airport Communications Infrastructure Charges ("ACIC") - are monthly recurring charges for utilizing the Airport communications infrastructure. This charge is based on the type and/or quantity of services(s) required by the user. This charge is billed in advance at the beginning of each month.

B. Non-Recurring Charges – Moves, Adds and Changes – would be charges billed to the Tenant for cost of moving, adding or making changes to service. Non-Recurring charges are billed following the completion of work.

C. Non-Recurring Charges – Billable Repair are charges for maintenance repairs performed by the Contractor on the communications infrastructure are NOT billable to the Tenant. However, if the user, Contractor, or the Airport determines a problem to lie within the Tenant's space and if the Tenant authorizes the Airport to repair it, a billable repair charge shall apply. This charge is based on the actual time and material required to complete the repair. The charges are billed following the completion of the repair.

D. Non-Recurring Charges – Customized Services are charges for customized services and special request and are addressed on an individual case basis and are billed accordingly

E. The Contractor shall provide billing information to MDAD telecommunications staff on a monthly basis. The information provided shall meet the following requirements:

* Identify separately any MAC work performed, new installations, and monthly service charges.
* The information shall provide a breakdown between itemized material charges and labor charges.
* Individual billing information shall be provided for each SATS customer, management companies or any other user entity. The SATS currently include, but are not limited to voice and data services, dry pairs and dark fiber.

F. In cases where the Contractor technicians are called out repeatedly to troubleshoot a Tenant problem the Contractor technician labor may become a billable item to the Tenant if equipment abuse above ordinary wear and tear had taken place. When human intervention and fault can be determined or linked to an outage/repair requirement (e.g. a cable dig as part of construction), the Contractor shall work with MDAD to make determination as to who shall pay for the repair and provide invoice information to the appropriate party.

SATS Billing Procedures

The Contractor shall invoice all SATS customers through MDAD Finance Division. The Contractor shall receive from the Department, a billing form with instructions to be used for billing SATS customers. All bills with appropriate back-up information shall be forwarded to the Miami-Dade Aviation Department, Finance Division. Customer Checks are to be made payable to Miami-Dade Aviation Department. SATS customers shall be instructed to send checks directly to the Department's Finance Division to the following addresses:

In Person – To: during normal business hours, 8:00 A.M. to 5:00 P.M. (Monday through Friday)

Miami-Dade Aviation Department
Finance Division
Suite 300
Building 5A
4200 N.W. 36 Street
Miami International Airport
Miami, Florida 33122

By First Class Mail – To: Miami-Dade Aviation Department
Finance Division
P.O. Box 592616
Miami, Florida 33159

By Express Mail – To: Miami-Dade Aviation Department
Finance Division
Suite 300
Building 5A
4200 N.W. 36 Street
Miami, Florida 33122

By Wire Transfer: In accordance with wire transfer instructions provided by MDAD Finance Division

2.2.18 Reports, Submittals and Records

Hours of Operation

The Contractor's staff shall be available on-site to perform the services outlined in this section Monday through Friday except Holidays. Staff normal work hours (typically 8 am – 5 pm) shall coincide with the hours necessary for the nature of the work. The County shall not pay overtime for Work that would normally need to be done in the evening hours due to Tenant or MDAD operations.

Reports Submittals and Service Requirements

The following list represents mandatory reports that the County requires at the listed interval or as requested by MDAD. Samples and formats of the reports shall be provided by the Contractor no later than fifteen (15) days after the execution of the Agreement. The format of all reports shall be approved by the Department.

A. **Occurrence Reports**

- Parts Price List - *As Requested*
- Circuit Cut-Sheets - *As Requested*
- Custom Cable Record Reports - *As Requested*

B. Monthly Reports

- Average response time for major and minor failures categorized by regular and after hour activity
- Percent of work orders completed within specific time frames
- List of completed and pending work orders
- Order Report that outlines number of hours by labor type and activity for all personnel
- Availability Reports which outline availability of all circuit types/ports, PBX switches, trunks, fiber links, network and other major systems
- SATS Billing Report, which shall include the following information
- Dates of transactions
- Dollar values of transactions (both billing rates as well as cost calculations and support)
- Invoice date and number
- Monthly Financial Statement, reflecting SATS expenses and SATS billings incurred pursuant to the Agreement
- Preventive Maintenance Inspection Reports that outline what is done to maintain manufactured suggested maintenance for equipment covered under this contract
- Audit Reports that detail results of locations and circuit types tested/audited for cable record accuracy. These activities are aimed at ensuring accurate cable records and recovering existing cable plant not in use
- Circuit Capacity Reports that outline circuit types / amounts / % capacity for various locations
- Service Order Report with subcategories broken down by regular and after hours, number of orders, and total hours.

C. Quarterly Reports

- ~~Reports that outline total amounts invoiced by activity type~~ outlined in Invoice matrix. Reports shall also indicate number of hours expended by job classification type towards that specific activity
- Equipment Inventory - Includes PBX, network, and Gigabit Ethernet® Components / Systems and sparing levels
- Contractor Staffing Organization Chart
- Contractor Staffing Contact / Notification List

D. Annual Reports

- By September 1st of each year, the Contractor shall submit a configuration and change management procedural plan for review and approval by MDAD
- Marketing and customer service plan
- Revenue and billing management plan
- Annual budget

E. System Availability Reporting

The Contractor shall provide a monthly circuit availability report to MDAD Telecommunications which states the required level of availability for each of the classes of circuits listed in the Levels of Performance subarticle of the Agreement. This report shall include the actual level of availability for each class of circuit, based upon the calculation method listed herein. The difference between the required level of availability and actual availability for each class of circuit shall be identified in the report.

F. Other Reports

Management Reports

Management Reports may include the following:

(1) Response time, availability, and outages for networks, systems and Web services (weekly)

(2) Resource utilization in WAN and LAN (weekly)

(3) CPU and disk storage utilization – for systems Contractor is responsible for maintaining (monthly)

(4) Error statistics for communication interfaces or processes/services (weekly)

(5) Utilization of ATM connections (monthly) or other core switches such as Gbit Ethernet

(6) Analysis high levels of recurring causes of problems, response time by the technician – time to fix and identification of high failure rates in equipment through Meantime Between Failure (MTBF) analysis (monthly)

(7) Work Order Status & MTTR Reports (weekly)

(8) Repair Order Status Reports (weekly)

~~(9) Service Level Reports (month-do-date and year-to-date)~~

(10) Cable and Wire Records Reports

(11) Grade of Service Report

MDAD may also determine from time-to-time additional or ad-hoc management reports that may be required regarding the administration of the telecommunication system, SATS and Infrastructure management, Help Desk and Network Operation Center.

The Contractor shall provide other reports that may or may not be generated by the Contractor in the normal course of operations upon request from the Department at no additional cost to the County

G. Records and other documents.

The Contractor shall deliver copies of all original documents and records required to be maintained pursuant to the Agreement or necessary to perform the Services no later than fifteen (15) days after the request for the documents or records. Upon request and during regular business hours, the Department shall be provided all documents and records required to be maintained pursuant to the Agreement, and permitted to inspect such documents and records. Further, if and to the extent that any other records are required to be furnished under Chapter 119, Florida Statutes, the Contractor shall provide same. The Department shall require the Contractor to provide all documents and records required to be maintained pursuant to the Agreement, including, but not limited to, inspection reports, progress reports and financial records.

2.2.19 Disaster Recovery Plan and Back-Up Services

Hours of Operation

Staff normal work hours shall coincide with the hours necessary for the nature of the work. The County shall not pay overtime for Work that would normally need to be done after midnight.

Disaster Recovery Service Requirements

Contractor shall work with County to establish a plan for alternative data & telecommunications for the equipment shown in Exhibit B in the event of a Disaster. Once approved by MDAD IS&T Department, Contractor shall be responsible to finalize, periodically test and update such plan.

Once a plan has been developed, Contractor shall be responsible to work with MDAD's IS&T Department to implement the plan in the event of an emergency. Contractor shall be responsible for furnishing any additional communications equipment and data lines required under the adopted plan with respect to communications between the identified third site from which the Contractors service are being performed during a Disaster.

The plan shall include description how servers, network, routers, hubs, and switches operating in various buildings and locations can be restored to operation in the event of destruction or disaster. The Plan shall describe recovery by location/building and the technique of recovery through restoration of files in equipment.

The Disaster Recovery Plan for data and telecommunications shall be updated by Contractor at least annually as changes in the business/technical environment dictate, and each updated Plan shall be made available to County for review prior to implementation.

Back-Up Services Requirements

As part of the Agreement the Contractor shall be responsible to perform the following:

1. Contractor shall ensure all agreed upon databases are backed up to tape / CD-R/DVD-R and to rotate tape/copies to an off-site location of the County's choice.
2. Contractor shall maintain a master loadable copy of all operating systems and applications for all software that they are required to maintain or provide during the term of the Agreement.
3. Maintain correct parameters in set-up files.

All such Contractor maintained databases shall be inspected consistently and measures taken to purge / correct any capacity thresholds before they become a problem. Contractor shall follow established procedures for management of the server operating system and storage space.

2.2.20 Attend Meetings, as Required

Meeting Requirements

A. **Informal Meetings:** The first week of every month, the MDAD IT Manager and the Contractor's Service Manager shall meet to discuss current issues of mutual concern.

B. **Weekly Staff Meeting:** Both parties and their appointed staff shall meet weekly to discuss daily operational issues and on-going project status. Contactor shall maintain an on-going Action-item list.

C. **Monthly Operational Meetings:** Contractor's day-to-day on-site manager, and their Regional Service Manager and other Corporate representatives shall meet monthly to review service level performance data over the prior quarter, discuss any problems and status on actions taken as a result of the previous meetings. This meeting shall also include discussions around new ideas, marketing, innovations and cost savings ideas and how to help the County achieve these goals.

D. **Weekly Bulletins:** Contractor shall provide weekly bulletins or newsletter as a means of mass communications for all their on-site employees and County's Management to update them as to what is happening on key projects, initiatives, and issues.

E. **Meeting Minutes and Action Items:** Contractor shall prepare meeting minutes and prepare, manage, and update action item.

2.2.21 Third – Party Support Agreements

Contractor shall secure for County an acceptable maintenance Agreement for the Equipment with the Manufacturers or Service Organizations (if specified) in Exhibit J. The Fee for the maintenance service shall be at the Manufacturer's then prevailing and negotiated rates which is approximates the industry standard on one percent (1%) per month of equipment cost.

Such Maintenance Agreements shall be paid for on an annual basis or on an hourly basis the rates shown therein.

Third Party Support Agreement Requirements

The Contractor shall:

1 Maintain maintenance and technical support agreements with vendors associated with the telecommunications systems shown in Exhibit J.

2 Be responsible and pay for all maintenance contracts and support contracts necessary to perform the services outlined in this Specification (collectively, the "Agreements with Vendors")

3 Be solely responsible for hands-on management of the systems.

4 Ensure the maintenance of all such agreements is kept current, up-to-date.

5 Ensure all such Agreements provide for the support necessary to provide the 24 x 7 x 365 coverage for Critical and Major failures.

2.2.22 Cable Management System Administration

Hours of Operation

The Contractor's staff shall be available on-site to perform the services outlined in this section Monday through Friday except Holidays. Staff normal work hours (typically 8 am – 5 pm) shall coincide with the hours necessary for the nature of the work. The County shall not pay overtime for Work that would normally need to be done in the evening hours due to Tenant or MDAD operations.

Service Levels, Requirements and Deliverables

The Contractor shall provide two (2) staff positions to verify cable usage installation, and identification for NET1, NET2, and PDS and enter this information into the Cable Management System. All infrastructure and cabling information must be kept up-to-date and accurate

Penalties

If excessive errors or obsolete information is found to remain in the database penalties will be invoked. **Refer to *Penalties for Non Performance* Article in the Agreement.**

2.3 Failure Classification

Critical Failure:

A Critical Failure shall be considered to occur when

A reported problem (1) severely impact the operation of the Airport, (2) severely impede the ability for a Tenant to conduct business at the Airport, or (3) affects the **life/safety** related circuit, system, or device, and are defined as .an occurrence of **any** of the following:

- A failure of the PBX, telephone switch, Trunks, station lines, its common equipment or power supplies which renders it or them incapable of performing normal functions for ten percent **(10%)** or more of the stations or trunks;
- **Any** of the terminal building fiber cabling allocated for data transmission fails or is inoperative;

- A failure of network components that shall render over ten percent (10%) of an Airport Tenant or Airport Staff work stations inoperable;
- An indication of a major alarm condition as defined by the manufacturer in any of the switching or power equipment;
- A central processor in a provider switch serving MDAD or it's Tenant's lines fails or is inoperative;
- Any voices lines, which have been identified by MDAD and Tenants as critical to MDAD operations, fails or is inoperative including the telephone sets on such lines;
- Any on-airport line provided for voice calls or data fails or is inoperative;

Major Failure:

Major Failure are those that severely impacts the ability for a Tenant or MDAD User to conduct business at the Airport and shall be defined as an occurrence of any of the following:

- Five percent (5%) or more of the telephone switch, telecommunications trunks, its common equipment or power supplies fails, are incapable of performing normal functions or are inoperative;
- Failure of Any circuit or Equipment that affects the operation of any ticket counter, gate area, passenger boarding, baggage handling or an Airline's back office operation;
- Five percent (5%) or more of the telephone sets installed for MDAD or any one of its Tenants cannot send or receive calls;
- Five percent (5%) or more of the telecommunications trunks which service MDAD or its Tenants fail or are inoperative.

Minor Failure:

A Minor failure is defined as any infrastructure, Common Use or IS & T System or subsystem problem which is not a Major or Critical failure and which degrades service.

Order of Precedence:

Normally, the Contractor technician work force shall be dispatched on jobs in a "First In-First Out" fashion as long as the Tenant deadlines can be met. MDAD shall review and authorize all work orders, including SATS orders, and reserves the right to prioritize various activities that the Contractor undertakes in order to meet deadlines. In general, MAC activity shall take a lesser priority to repair activities pending the circumstances surrounding the given situation The County reserves the right to mandate that the Contractor reallocate resources to deal with the various repairs, MAC requests or project work as they see fit.

Also, In the event of a conflict in work priorities, Major or Critical failure work shall take precedence over moves, adds, and changes.

The Contractor shall provide or arrange to provide maintenance technicians so as to meet the alarm response procedures stated above. The Contractor is responsible for providing or arranging to provide certified maintenance technicians, including PABX-certified technicians for switch maintenance. The Contractor shall be considered the

main point of contact for Service and is responsible for notifying other responsible parties such as Bell South, AT&T, etc.

2.4 Normal, After Hours Coverage and Emergency Service Response Requirements for Critical, Major and Minor Failures

Service for all critical and major failures shall be available twenty-four (24) hours a day, seven (7) days a week, and 365 days per year. In the event Contractor fails to respond, County shall have the right, at any time to call in any qualified and certified service organization to perform the necessary repairs and charge back the Contractor for all expenses incurred.

"Respond" is equated to having qualified technical support and/or troubleshooting actively working the problem within aforementioned times. Note that during the troubleshooting process, the Contractor is coordinating directly with the user and/or the local service provider until the problem is resolved.

Response requirements for Critical and Major Failures – Contractor shall provide immediate response during on-site hours (Monday-Sunday) and within one (1) hour to respond during off-site hours.

During on-site hours, Contractor shall immediately begin remedial maintenance for a critical or major failure, which may consist of remote diagnostics during the first fifteen (15) to thirty (30) minutes, after repair notification via the Contractor's tracking processes with the appropriate service ticket number. If during off-site hours, problem cannot be corrected remotely, the Contractor's personnel shall be on-site no less than two (2) hours from the repair notification time documented by the Help Desk/Call Receipt Center or NOC. Contractor shall start immediately and work continuously until the problem is resolved.

After being notified that a Critical or Major failure has occurred, the Contractor shall:

a. Promptly initiate actions to verify the reported failure; and

b. If the failure is verified by the Contractor's technicians, and is the responsibility of the Contractor to initiate corrective action on a 24x7x365 basis to restore the service to its contracted level (a) within two (2) hours for MDAD-classified Critical alarms or (b) within four (4) hours from ~~MDAD-classified Major alarms; or~~

c. If the Contractor is unable to verify the reported failure, or if the failure is responsibility of Others, Contractor shall so advise proper authorities immediately upon making such determination.

Contractor shall abide with the Escalation article of this Specification, in order to resolve a critical or major outage.

Failure to respond or perform:

Penalties will be invoked in accordance with the *Penalties for Non Performance* Article in the Agreement.

Response requirements for Minor Failure - After being notified that a Minor failure has occurred the Contractor shall:

a. Promptly initiate actions to verify the reported failure; and

If the failure is verified by the Contractor's technicians it shall be the responsibility of the Contractor to initiate corrective action to restore the service to its contracted level within two (2) business hours and (a) on the same day when such alarms occur between Monday and Friday from 8 AM to 5 PM or (b) on the following day by 11 am, when such alarms occur between Monday and Friday from 5 pm – 7 am or anytime on week-ends and holidays.

Contractor shall begin any repair not defined as a critical or major failure as expeditiously as possible, and complete repairs within four (4) hours from the time the incident is reported and is documented via the Contractor's tracking processes with the appropriate service ticket number.

All Repairs shall be made by a certified technical personnel either through a premise visit or via electronic access through the use of a remote maintenance terminal. However, in all cases, the repair shall be confirmed and the status updated by notification to the Help Desk.

Failure to respond or perform:

In addition to other provisions describe in the Agreement, in the event restoration for ANY Critical or Major Failure is not met within four hours, **penalties will be invoked in accordance with the *Penalties for Non Performance* Article in the Agreement.**

2.5 Escalation – Support Levels

First Level Support

A technician shall contact the Tenant or MDAD user within 10 minutes after the help desk call, email or page is placed to the dispatcher or technician.

Once the repair ticket is assigned to the technician, the repair ticket should be completed within two (2) hours. If not completed within that two (2) hour window, the Technician shall ask the Help Desk to advise the Contractor's Service Manager and IS&T Manager. At this step, the Contractor's Service Manager shall evaluate the situation and deploy additional resources to resolve the situation, and escalate the repair problem to the management of the applicable vendor.

The technician can invoke the escalation process at any time before the expiration of the two (2) hour window based upon an assessment of the extent, type and severity of the failure. If it is recognized that the repair problem cannot or shall not be resolved within the two (2) hour window, the technician shall advise the Help Desk and is responsible to escalate the repair problem to Second Level Support.

Second Level Support

At this point assistance is requested from the applicable vendor's customer Account team and/or applicable vendor's remote technical support facility. During Second Level Support, the Contractor's Service Manager shall keep the Tenant apprised of the situation and be in contact with the technician and/or vendor representative. If the repair problem is not resolved within the next two (2) hour window of Second Level Support, the problem is escalated to Third Level Support.

Third Level Support

If applicable, the technician / Service Manager shall contact the off-site vendor's technical support center for the Third Level Support. If required, vendor shall dispatch the appropriate technical support personnel to the trouble location assisting the IS&T or Contractor Support personnel. The Technician remains directly involved in the trouble resolution, providing the vendor personnel with on-site assistance, while updating the Help Desk and management with repair and activity status for the repair order record using email or pager.

Fourth Level Support

If the problem is not resolved within the six (6) hour combination of First, Second and Third Level Support, it is elevated to Fourth Level Support. Fourth Level Support combines the Contractor's Service Manager, IS&T Manager, IS&T Chief of Telecommunications, MDAD Operations Manager, On-site/off-site vendor Technical Support Center resources, vendor account representatives and the higher level departmental management levels of the Contractor/Vendor and the Airport. The purpose of involving so many people at this level is to create a full support team whose primary focus is to resolve the trouble by committing all available resources and talents.

MDAD's IS&T Manager shall be the Airport's focal point for coordination of efforts until the Fourth Level support scenario is declared completed and service is restored to a normal operating condition. MDAD's IS&T Manager escalates the situation to the applicable vendor's upper management. If necessary, MDAD's IS&T Manager shall dialogue with the vendor's upper management until assurances are in place that the applicable vendor shall provide replacement parts, on-site technical assistance, or whatever other resources is necessary to resolve the repair problem.

MDAD's IS&T Manager shall hold regular status updates every two (2) hours with the applicable vendor's upper management to ensure that the commitments made by the vendor are being met. These updates shall continue until the problem is resolved. MDAD IS&T Manager shall also be responsible for notifying the Tenant and Airport upper management of the escalation situation.

2.6 Coordination of Work with Others and Possible Future Additional Scope of Work.

This Specification and Agreement is a **non-exclusive** contract to provide management, maintenance, and operations associated with the existing MIA voice and data networks. MDAD is also implementing a New Security Network System ("NSNS"), a Premise Distribution System ("PDS") including fiber and Cat 5e cabling, network hubs to various systems associated with the new CIP projects, CCTV switching, recording equipment, audio and visual paging, Building Management System, Fire and Smoke detection, public address, Flight, Baggage and Visual displays (FIDs, BIDs, VIDs), Common Use Terminal Equipment ("CUTE"), an interconnecting network, network management system, and a cable management system. Original contracts for the above include a specified period for the vendor to provide management operations and maintenance of this system after final acceptance by MDAD.

Exhibit B identifies all current Equipment at locations to be maintained under this Specification. As new Equipment items or locations are added to MDAD

telecommunications and infrastructure and the original Contractor's Support has terminated, the County may elect to add that Scope of Work to this Specification upon written mutual agreement of both the County's Department Manager and the Contractor.

The network connections associated with the Special Systems listed above are quite significant. The following are estimates of the number of individual IP address that will be required:

- BMS, each local controller and central server, estimated 2000.
- Fire and Smoke detection, each local controller and central server, estimated at 2000.
- Public Address ("PA"), each central server in each equipment room, estimated at 100.
- CUTE, each central server and workstation and printers, estimated at 3000.
- FIDS, BIDS and other Visual Displays, each central server and display device, estimated at 2000.

The Contractor is required to coordinate its Work including maintenance whenever the Contractor's Services or Work is dependent upon the work or services or actions of IS&T, other suppliers or contractors.

Planned expansions or projects currently on-going that may impact the services needed in the future are:

2.6.1 **New Security Network**

New Security Network System is composed of a high speed fiber optic based ATM network, up to thirty (30) equipment rooms, CCTV and Intercom switching equipment, and CCTV and Intercom recording equipment. The rooms shall be linked via a new security network. This network shall accommodate interface with the PDS. The PDS provides CAT5e cabling from the network switch located in these rooms to all devices requiring an IP address and network connection. The Contractor may be asked to take over the management, maintenance, and operations responsibility, unless directed otherwise by MDAD, once the three (3) year management and operation contract with the NSNS Manager is over.

The main backbone of the New Security Network system is comprised of multiple fiber optic loops, which create multiple distinct data areas in the Main Terminal area. A main loop runs through the main Terminal through the equipment rooms. The main loop has four (4) room ATM OC48 configuration (rooms C4121, B3017, A3129, and H1472) with an OC-48 data rate. The ATM shelves in the four (4) equipment rooms shall connect to switches at an OC-12 (ATM) data rate. The switches in the remaining eleven (11) equipment rooms (H3730, G1107, G1764, F1540, F1770, E1502, E1803, S1558, D3917, A3820, and A3105) shall be capable of connecting to multiple network protocols (i.e., ATM, and Ethernet). Two (2) separate backbone loops (a primary OC-12 backbone and a secondary OC-12 backbone) connect the eleven (11) rooms to the four (4) OC-48 equipment rooms via separate diverse routes.

The New Security Network will also consist of a high-speed digital video, audio, and access control data transport system.

2.6.2 Wireless Network

In conjunction with the PDS, wireless antennas located approximately three hundred (300) feet apart shall be located throughout the Terminal at MIA. This system shall also improve the use of cellular phones throughout the terminal areas. Tenant airlines are envisioning more wireless customer service devices similar to what rental car companies use today when checking in cars.

Airlines are anticipating that their customer base will increase the use of wireless Internet devices for telecommuting while in airports and on airplanes. All of this points to the need to implement a system in the terminal that will handle the wireless traffic and place MDAD in the position of controlling this part of the telecommunications infrastructure. During the term of the Agreement, the Contractor shall interface with the Wireless System provider to provide network services via the PDS and interfaces with the network backbone and other service providers.

2.6.3 Common Use Terminal Equipment

Common Use Terminal Equipment System is used for the purpose of increasing the operational capacity by allowing airline and terminal management staffs to more effectively manage available resources.

CUTE Applications, running on the County's common use backbone, include Systems with which to ticket, check-in and board passengers; to communicate information about flights and to reconcile boarding passengers.

During the term of the Agreement, the Contractor shall interface with the CUTE provider to provide network services via the PDS /LAN.

It is possible the Contractor may be asked to take over the management, maintenance, and operations responsibility, after June 2006 when the original installation and operation contract with the original CUTE provider expires.

2.6.4 Airport Operational Information System

The Airport Operational Information Database ("AOIS") is the core system of the Total Airport Management System ("TAMS"), and consists of applications servers, workstations, network connectivity, information display devices, computer applications, application interfaces, application integration, application data migration, and facilities infrastructure. It provides the data for an integrated visual display solution for the flight related display applications at MIA, as well as the central database for Airport Operations

During the course of the Agreement, the Contractor shall interface with the AOIS provider to provide network services via the PDS / LAN.

2.6.5 Paging System

Terminal Paging Systems will be located in airport concourses within the MDAD Systems Rooms and includes an Audio Distribution Local Area Network and an Audio Control Local Area Network. It uses dedicated Complex Paging System network hardware and the Audio Control LAN uses a Virtual Private Network all part of the dark fiber that was installed as part of the new MDAD Network. The system is located throughout the concourses including Ticketing, Baggage Claims, Baggage Makeup, Passenger Lounges, Hospitality, Retail, Restrooms and Driveways. This system provides audio and visual paging and will be operated through the Optical Control Room. Currently it is anticipated that the Paging System will be maintained and operated by the original Vendor and MDAD Personal as it is considered part of the Life Safety and Security system. Contractor will be required to maintain and monitor the network hardware. During the term of the Agreement, the Contractor shall interface with the Paging System vendor to provide network services via the PDS and interfaces with the network backbone and other service providers.

2.6.6 Building Management System

Like the ACS System, the Airport and the BMS provider will operate the BMS System. It shall operate across the local area network at a speed of 100 Mbps. The high-speed LAN will provide transfer of point data, alarms and file activity among workstations and the System/application server. This LAN supports ASHRAE/ANSI 135 (with associated addenda) Building Automation and Control Networking (BACnet) protocol. Any data from an equipment controller is also transported to the LAN via an application/terminal server. Global data sharing shall occur simultaneously with the transmission of alarm data and user activity. During the term of the Agreement, the Contractor shall interface with the BMS vendor and MDAD Staff to provide network services.

2.6.7 Access Control System (ACS)

Currently the Airport has implemented a Matrix Inc. Access Control System. This system includes remote Ethernet based messaging network between the host computers and card reader network loops. During the term of the Agreement, the Contractor shall interface with the ACS Vendor and MDAD Staff to provide network services.

2.6.8 CCTV

The CCTV System will operate throughout the Airport from coaxial cable distribution. The Contractor Scope of Work may include maintaining the Close Circuit Television System associated conduit and cable and perhaps, at some future time (after 2007) the CCTV cameras, and intercom system. During the term of the Agreement, the Contractor shall interface with the CCTV vendor and MDAD Staff to provide network maintenance and installation services.

2.6.9 CATV

The CATV System will operate throughout the Airport from coaxial cable distribution. The head end, will have install Distribution amplifiers and power dividers to extend CATV signals to a MDAD Telecom Room (MTR) for distribution. During the term of the Agreement, the Contractor shall interface with the CATV vendor and MDAD Staff to provide network maintenance and installation services.

EXHIBIT
THIRD PARTY
TECHNICAL SUPPORT REQUIREMENTS

VENDOR NAME	PROVIDES
ALCATEL	Newbridge equipment and maintenance contract
BAKER AUDIO	Baker equipment (consoles) and maintenance contract
BEAR PAW INT'L	Maintenance contract for Nice Logger
BORRELL FIRE SYSTEMS	Maintenance for fire suppression system - FM200
COMPAQ-HP	Maintenance for CUTE servers
DIALOGIC COMMUNICATIONS Corp.	Seller of Emmergency Notification System (ENS) and maintenance contract
GENUITY	Internet provider for MDAD
ISI	Seller of call accounting system and IPON tracking system (Infortel), maintenance contract
MOTIENT	Provides connectivity access to the Emmergency Command Vehicle Satellite phones
NATIONAL EXCHANGE BULLETIN	Provides rate tables for call accounting system (ISI Infortel)
NORTEL NETWORKS	Seller of PBX and Network equipment and maintenance contract
POWERWARE formerly EXIDE	Seller of UPS system in the core room at 3030 and maintenance contract
SUNSHINE STATE	Provides faxes on contructions projects in and arround the airport that may have impact on cabling duct systems
TELECORP	Seller of ACD system and maintenance

Exhibit B
Equipment, Systems and Subsystems Plans and Diagrams

(The solicitation document does not include this information because it contains information relating to the Airport's telecommunications system. This Aviation Department will make this information available for review in accordance with the procedures outlined in the advertisement for this RFP.)

EXHIBIT C

JOB DESCRIPTIONS AND QUALIFICATIONS

Exhibit C
Job Descriptions & Qualifications

Service Manager

Summary

A Service Manager or equivalent level person shall be a full time employee with day-to-day operational responsibility for the competent performance and fulfillment of the duties and responsibilities of the Contractor under this Agreement, and who is authorized to accept service of all notices provided for herein. Service Manager shall be responsible for engineering, design, documenting, consulting issues, monitoring the day-to-day health of voice, data and video networks, and coordinate troubleshooting and repair of advanced problems.

The Service Manager shall be dedicated totally and solely to the fulfillment of the Contractor's obligations at the Airport pursuant to this Agreement, and shall maintain a primary office within the facilities provided by the County at MIA. The Department shall have the right to require the Contractor to replace the Service Manager.

The Service Manager will ensure that an excellent personal professional relationship is maintained at all levels with those organizations and personnel requiring interaction under the terms of the Agreement.

Essential Duties, Responsibilities and Minimum Competencies

- Define clear guidelines for accomplishing each job function
- Monitor procedures to assure desired results
- Must be able to resolve conflict. Directions must be clear and concise. Delegate responsibilities while assuring accountability
- Must lead by example. Perform the job well to motivate other to increase productivity and take pride in their work
- Control expenses and inventory
- Coordinate efforts of lower level staff
- Performs research in support of planning and Telecommunications network design criteria
- Advises MDAD regarding the effects of design implementation and changes on overall network operations and efficiencies
- Manage third party support Agreements
- Attend Meetings

Education and/or Experience and Skills

Service Manager candidate should have a Bachelors Degree in Engineering, Telecommunications, or a related field and a minimum of ten (10) years experience in the telecommunications and data technical computer field. Additional years of telecommunications and data network field experience may substitute for the required education on a year-for-year basis. In addition, this candidate should have a strong managerial background with proven record and responsibility for a comparably-sized, similar operation. Background in computers, computer networks, telecommunications and fiber optic installation is essential.

Office & Administrative Supervisor

SUMMARY

The Office and Administrative Supervisor shall be a full time employee who will assist the Service Manager and perform special planning and implementation activities, interfacing with clients' facilities groups, vendors, other groups and organizations

Shall be responsible for monitoring the work activities of Office Administration, Billing, Purchasing, and Dispatching.

Essential Duties, Responsibilities and Minimum Competencies

- Provide Support to other Divisions under Contractor's Agreement such as Help Desk, NOC, Voice, Data and SATS
- Assist in the training and development of staff
- Works on problems of moderate scope where analysis of situation or data requires a review of identifiable factors. Exercises judgment within defined procedures and practices to determine appropriate action
- Excellent communication skills (oral and written)
- Ability to comfortably interact with senior management and outside consultants on large complex projects
- Ability to work under pressure, handle a variety of work assignments at the same time, prioritize work and be held fully responsible for decisions
- Knowledge of industry standards
- Ability to coordinate multiple projects at the same time
- Ability to resolve conflicts when they arise, while maintaining good client relations
- Ability to analyze information, makes recommendations, and develops ad hoc reports and presentations. Ability to interpret client needs into cost-effective proactive plans that are within the client's corporate practices and standards, while maintaining good client relations
- Ability to supervise the work of others

Education and/or Experience and Skills

Candidate should have a Bachelors degree and/or equivalent experience in the industry with 5 years experience in the telecommunications field. Must have a strong managerial background with proven record and responsibility for a comparably-sized, similar operation. Knowledge in Crystal Reports a plus.

Administrative Assistant

Summary

The Office Assistant shall be a full time employee. This position involves tasks that are somewhat structured and routine. They may be repetitive on a daily, weekly, or monthly basis. Routine supervisory review is required.

Essential Duties, Responsibilities and Minimum Competencies

- Assist in Billing functions under the supervision of Billing Specialist
- Perform complex financial calculations using calculator and Excel/Lotus
- Open and distribute mail
- Tracks and monitors noncomplex departmental budgets
- Reviews and verifies reports and data for accuracy in preparation for signature
- Prepares brief routine correspondence
- Researches documents
- Responds to internal/external inquiries requiring basic knowledge of a few departmental policies, procedures, and guidelines
- Actively participate in workflow of Installs and MAC's to ensure proper documentation of services performed
- Tracks and monitors complex departmental budgets
- Compiles, prepares and retrieves data using a PC or mainframe terminal
- Processes non-routine information
- Prepares complex correspondence and reports using word processing and spreadsheet software
- Gathers data and prepares ad hoc reports
- Responds to internal/external inquires requiring strong understanding of related policies and procedures

Education and/or Experience and Skills

HS Diploma or equivalent. Must have 1 to 2 years of experience in an office environment

Ability to compose grammatically correct sentences. Advanced knowledge of word processing and spreadsheet software (Word, Excel, Access and PowerPoint) Able to proficiently use e-mail MS Outlook and the Internet.

NXT 5392

PSC 7055

Data Communications Supervisor

Summary

The Data Communication Supervisor shall be a full-time employee responsible for directing, coordinating and managing the day-to-day operations of the Network Organization. Position is responsible for technical planning, coordination, implementation and maintenance of the Airport's data communications infrastructure. Another important responsibility is the Quality Assurance function, including inspections of work in progress, completed work and ad hoc inspections

Data Supervisor shall be responsible for monitor the work activities of the Technicians

Essential Duties, Responsibilities and Minimum Competencies

- Plans and directs schedules for employees
- Monitors the staff responsible for the product/program/project from initiation through deliver, interfacing with customer on technical matters
- Responsible for creating and updating Standards and Procedures
- Responsible assuring the integrity of the communications networks
- Assist in the development of installation, diagnostic and repair procedures, installation of Switches and Routers, and troubleshoot using network equipment
- Resolve problems between users, system administrators, and vendors
- Works on problems of diverse scope where analysis of situations or data requires an evaluation of identifiable factors. Exercises judgment within generally defined practices and policies in selecting methods and techniques for obtaining solutions
- Define clear guidelines for accomplishing each job task. Monitoring procedures to assure desired results
- Must be able to resolve conflict. Directions must be clear and concise. Delegate responsibilities while assuring accountability
- Coordinate efforts of lower level staff
- Responsible for creating Disaster Recovery and Contingency plans for major outages
- Ensure all equipment room UPSs are maintained properly
- Ensure uniformity and standardization of Components
- Interface with NOC for Device / Line Monitoring

Education and/or Experience and Skills

Data Supervisor should have a Bachelors Degree in Engineering, Computer Science or related field and/or an equivalent of 10 years work experience in the Data - Network Technology Field. Additional years of Data - Network Technology Field experience may substitute for the required education on a year-for-year basis. Must have a two years previous supervisory background with proven record and responsibility for a comparably-sized, similar operation. Candidate should possess two or more of the following certificates:

1. MCSE (Microsoft Certified Systems Engineer)
2. CAN Certified Novell Administrator

Help Desk and NOC Supervisor

Summary

The Help Desk and NOC Supervisor shall be a full-time employee responsible for directing, coordinating and managing the day-to-day operations of the Help Desk (Call Receipt Center) and the Network Operation Center. Position is responsible for assuring prompt and courteous response is given to each user's problem and ensuring the optimum network connectivity and performance. Other responsibilities include analysis of problem trends, response time, reports on outstanding open tickets, and corresponding reports. The NOC and Help Desk Supervisor will take the lead in escalation of problems and updating management.

Essential Duties, Responsibilities and Minimum Competencies

- Identical to or exceeding qualifications shown for NOC Operator so that Manager can fill in when needed as NOC Operator
- Plans and directs schedules for employees
- Monitors the staff responsible for the product/program/project from initiation through deliver. interfacing with customer on technical matters
- Excellent verbal and written communications skills
- Excellent interpersonal and professional interaction skills
- Experience creating Reports for management
- Generate, document and distribute network performance statistics
- Provide outage post mortem reports including root cause analysis to senior management for proactive maintenance action
- Define clear guidelines for accomplishing each job task Monitoring procedures to assure desired results
- Must be able to resolve conflict. Directions must be clear and concise. Delegate responsibilities while assuring accountability
- Coordinate efforts of lower level staff
- Ensure overriding goal (proactively address network problems before they are realized by the User) is achieved

Education and/or Experience and Skills

~~Should have a Bachelor's degree and a minimum of three (3) years management experience related~~ to maintenance of networks and call center operations, or in lieu of a Degree, candidate should have six (6) years experience in managing the day-to-day operations of a telecommunications call center, help desk and Network Operation Center. Must be proficient in MS Office Suite applications for the purpose of communicating analysis, trends, and formal reports Knowledge in Crystal Reports a plus

Cable Planning and Special Projects Supervisor

Summary

The Special Projects Supervisor shall be a full-time employee responsible for circuit designs, and special projects involving department, subcontractors, or cross-functional teams focused on the delivery of a product or computer based system through the design process and into a finished state for MDAD or its tenants.

Essential Duties, Responsibilities and Minimum Competencies

- Plans and directs schedules for employees
- Monitors the staff responsible for the product/program/project from initiation through deliver, interfacing with customer on technical matters
- Monitors interdepartmental activities ensuring completion of the product/program/project on schedule and within budget constraints
- Monitors work of systems analysis and program staff, providing technical support and direction.
- Coordinate efforts of lower level staff
- Experience in configuration and setup of network products and equipment, as well as experience building networks
- Solid understanding of BICSI cabling standards
- Solid understanding of cable trays, raceways, patch panels, cable management, fiber optics, and connectors.
- Experienced with private and public telephone and data network systems environments and be familiar with the design and implementation of:
  1. PBX systems, electronic key systems. 1A2 key systems. ACD systems. Auto Attendants/Voice Mail systems, Voice Response units
  2. Data communications systems
  3. Transmission systems such as T1, Frame Relay, ISDN. ATM, ADSL
  4. Single and multi-zone paging systems
  5. Outside plant design including applicable LEC practices
  6. Inside plant including telephone rooms and closets, riser systems, MDFs, IDFs, and backboards according to Miami-Dade County specifications
  7. Power plants, including UPS and battery banks
  8. Floor plans, including equipment layout for the installation of telephone systems and computer floors
  9. Environmental requirements
  10. Traffic analysis

Education and/or Experience and Skills

Should have a Bachelor's degree and/or equivalent experience in the telecommunications industry seven (7) years minimum. Additional years of telecommunications industry experience may substitute for the required education on a year-for-year basis Must have minimum of 5 years experience in managing projects and people A Registered Communications Distribution Designer (RCDD) certification is required Shall have good problem solving skills and conflict management skills Background in telecommunications and fiber optic installation is essential Must be adept at customer relations

FACILITIES ENGINEERS – PROJECT MANAGERS

Summary

Shall be full-time employees responsible for supporting on-going Terminal-Wide Improvements and Special Projects as required from time to time. Directs and controls the activities of planning, budgeting, design and implementation of network projects. Solves unusual or complex problems requiring comprehensive understanding of networking technologies and integrates understanding of other technologies and customer requirements.

Essential Duties, Responsibilities and Minimum Competencies

1) Prepares and presents proposals to the SATS customer and/or MDAD
2) Provides consultation to customers on networking options and strategies
3) Infrastructure Services (dark fiber, etc)
4) Engineering, Provisioning, and coordinating delivery of requested circuits across MIA backbone, including, circuits for MDAD across special systems such as BMS, Fire & Smoke, PA, FIDS, CCTV and CUTE.
5) Develops scope of work, pricing, scheduling and project plan
6) Facilitates and manages communications between project team members and customers
7) Develop Network plans for renovations and relocations including scheduling and funding requirements.
8) Manages and organizes interdepartmental activities and resources to complete projects according to agreed specifications within defined budgets and time constraints
9) Promotes excellence in Customer Satisfaction and teamwork
10) Coordinate the implementation of the project(s) including coordinating the work of employees, client staff and third party contractors
11) Coordinate the specification, delivery, and installation of all communication equipment
12) Interface with clients to ensure consistency between implementation and client needs
13) Develop project plans and punch list
14) Monitors the staff responsible for the product/program/project from initiation through deliver, interfacing with customer on technical matters
15) Should be experienced with private and public telephone and data network systems environments and be familiar with the design and implementation of:
    - PBX systems, electronic key systems, 1A2 key systems, ACD systems, Auto Attendants/Voice Mail systems, Voice Response units
    - Transmission systems such as T1, Frame Relay, ISDN, ATM, ADSL
    - Outside plant design including applicable LEC practices
    - Inside plant including telephone rooms and closets, riser systems, MDFs, IDFs, and backboards according to Miami-Dade County specifications
    - Power plants, including UPS and battery banks
    - Floor plans, including equipment layout for the installation of telephone systems and computer floors
    - Environmental requirements, including air conditioning requirements, power requirements, grounding, and fire protection
    - Traffic analysis

Education and/or Experience and Skills

Candidate should have a Bachelor's degree and/or equivalent experience in the telecommunications industry five (5) years minimum. Additional years of telecommunications industry experience may substitute for the required education on a year-for-year basis. Should have minimum of three (3) years experience in managing projects and people. Shall have good problem solving skills and conflict management skills. Must be adept at customer relations.

Cable Management Field QA

Summary

Shall be a full-time employee responsible to ensure the integrity and accuracy of all information in the Cable Management System and as-built documentation.

Essential Duties, Responsibilities and Minimum Competencies

- Experienced with private and public telephone and data network systems environments
- Experienced with inside plant including telephone rooms, riser systems, MDF and IDF / Wiring Closet design
- Solid understanding of BICSI cabling standards
- Solid understanding of cable trays, raceways, patch panels, cable management, fiber optics, and connectors
- Solid understanding of Voice and Data Communication Systems
- Working understanding of Transmission systems such as T1, Frame Relay, ISDN, ATM
- Experienced with outside plant design including applicable LEC practices

Education and/or Experience and Skills

Candidate should have a two-year college, vocational / technical degree in related area and have five (5) years experience with Voice and Data cable infrastructure and a minimum of two (2) years experience in the field of Cable Management Quality Assurance.

Cable Management Data Entry Clerk

Summary

Shall be a full-time employee responsible for ACCURATE data entry into the Cable Management System.

Essential Duties, Responsibilities and Minimum Competencies

1. Update and maintain the Cable Management System from work order changes, Project As-built documentation and provisioning
2. Proficient in the use of the CMS Software Application.
3. Working understanding of Voice and Data Communication Systems.
4. Data Entry accuracy is mandatory

Essential Duties, Responsibilities and Minimum Competencies

Candidate must be a high school graduate.

Candidate must have a least two years experience with the specific or similar CMS software application

Candidate must have at least three (3) years experience in maintaining Cable Management System in a complex voice, data, CCTV environment

Proficiency in Visio a plus.

SATS Technical Specialist

Summary

The SATS Technical Specialist (TS) shall be a full-time employee responsible for interfacing between MDAD and SATS users of telephone equipment and the County's common carriers in providing a range of telephone and data services. The TS shall be experienced in interacting with public and privately owned telephone companies, public and private sector executives and dignitaries, technical and non-technical individuals, and will be required to have good public relations and interpersonal skills

Essential Duties, Responsibilities and Minimum Competencies

- Responsible for recommending and updating SATS Policies, Standards and Procedures
- Meet with users to document requirements
- Coordinate all communications with Users regarding specific business requirements, configuration, expectations and due dates, and other issues relating to SATS orders, installation, maintenance and billing
- Provide post cutover package and review it with customer after cutover (i e Trunking, Calling capabilities, etc.)
- Ensure user satisfaction objectives are achieved
- Create and update annual Marketing and Customer Service Plans and tariff schedule for all SATS
- Excellent communication skills (oral and written)
- Work closely with MDAD's Properties, Finance and IS&T Departments
- Work with Telecommunications and Network groups to provide MDAD with the reports required in the Agreement
- Order telco, follow-up on due dates, coordinate with third-party telco coordinators
- TS must be able to interact with customers (users) effectively in a one-on-one and group situations. Personally and promptly follows through on inquiries and request Corrects problems promptly Demonstrates responsiveness
- Plans and controls own routine work on a day-to-day basis to achieve objectives
- Demonstrates punctuality and efficient work habits Able to manage multiple projects concurrently
- Coordinate efforts of lower level staff
- Create and maintain standard circuit specifications
- Must be experienced telco ordering and provisioning
- Must be familiar with LAN/WAN technologies, and recommended line/station ratio
- Must understand contract terms/conditions and contract administration process
- Excellent understanding of installation process and turn-up process
- Excellent oral and written communication skills
- Polished Phone etiquette

Education and/or Experience and Skills

Candidate should have a Bachelors degree in technical functional field preferred. Minimum of 5 years experience in the following:

1. Telco Provisioning
2. Key Systems
3. Voice Networks, Messaging & Applications
4. Emerging and Enterprise Data Networks
5. Wireless

Additional years of experience may substitute for the required education on a year-for-year basis

Billing Specialist

Summary
Billing Specialist shall be full time employees responsible for SATS Billing.

Essential Duties, Responsibilities and Minimum Competencies

- Assist with the creation and updating of the tariff schedule and SATS billing rates
- Assure accuracy in SATS invoices
- Ensure accuracy of outside provider invoices and eliminate carrier over billing
- Maintain subscriber record maintenance and billing
- Coordination between Local Exchange Carrier and customer, billing, parts requisition, and report generating

Education and/or Experience and Skills
Candidate should be a High School graduate Billing Specialist must have a minimum of three years experience in related environment and one year experience in telecom billing

Ability to compose grammatically correct sentences Advanced knowledge of word processing and spreadsheet software (Word, Excel, Access and PowerPoint). Able to proficiently use e-mail MS Outlook and the Internet Experience with Crystal Reports a plus.

Ability to spot erroneous call records and line overcharges

Network Technicians

Summary

Network Technicians shall be full-time employees. Technicians shall be proficient in Routers and Switches, their command structure, configuration, security. Network Technicians shall be responsible for configuring both LAN and WAN ports to accept various protocols on the Network, copy and manipulate configuration files, TCP/IP protocols, Ethernet, and backup and disaster recovery. Contractor's staff shall include at least one technician that is factory trained and certified to test, maintain and repair UPS and one that has a minimum of 3 years experience with wireless technology.

Essential Duties, Responsibilities and Minimum Competencies

- Implement and maintain data communication hardware facilities, cable plant (copper and fiber)
- Responsible for the upkeep of the communications networks
- Assist in the development of installation, diagnostic and repair procedures, installation of Switches and Routers and trouble shoot using network test equipment and software
- Resolve problems between users, system administrators and vendors
- Works on problems of diverse scope where analysis of situations or data requires an evaluation of identifiable factors
- Practical experience configuring packet filters on multi-vendor routers
- Assist in the development of design and installation necessary for connecting users to Switches, patch panels, cross connects, diagnostics and repair procedure
- Installation of network cable and patch panels
- Perform Preventative Maintenance Services

Education and/or Experience and Skills

Candidate should be a High School graduate and have 5 years experience with network data equipment. Required to have strong troubleshooting skills.

Nortel *or* Cisco Certified in Switches and Routers Shall have proficient working knowledge of data communications concepts and equipment; analytical ability and good interpersonal skills. Must be experienced in fiber optics termination

Network Engineers

Summary

Network Engineer – Senior Level: Shall be full-time employees Engineers at this level shall be expert technologist who has extensive knowledge of network architectures and design criteria. They shall be experienced in the installation of data communications cabling and equipment. The Senior Level Network Engineer shall have experience utilizing diagnostic tools appropriate for the equipment being tested and materials being installed All test equipment shall be certified and undergo calibration every year for the systems and circuits being tested

Senior Level Network Engineers must be proficient in Routers and Switches. their command structure, configuration, security, Configuring both LAN and WAN ports to accept various protocols on the Network, copy and manipulate configuration files, TCP/IP protocols, Ethernet, and backup and disaster recovery.

Essential Duties, Responsibilities and Minimum Competencies

- Interface with NOC for Device / Line Monitoring
- The Network technicians shall have strong knowledge, proficiency and hands-on experience in the following areas related to Local and Wide Area Networks

1) The following layers of the Open System Interconnect ("OSI") open network architecture
   a) The Physical Layer and equipment such as repeaters
   b) The Data Link and equipment such as bridges
   c) The Network Layer and equipment such as routers
2) Medium for Ethernet, and ATM, such as Category 5 and fiber optic cables & connectors
3) Installation practices of the Physical Media per EIA/TIA 568B 569, 606, 607, TSB 67 and any other standards as they are published Solid understanding of BICSI cabling standards
4) Safety and fire codes such as the National Electrical Code, as they apply to grounding, power, and fire stopping
5) Data communications equipment such as modems, CSUs/DSUs, and multiplexers
6) Communications circuits such as T1, frame relay, ISDN, ATM, and ADSL
7) Designing and troubleshooting router designs from multiple manufacturers such as Cisco, 3Com, Nortel, Marconi
8) Designing and troubleshooting designs of switching products and technology, Solid understanding of cable trays, raceways, patch panels, cable management, fiber optics and connectors
9) Practical experience on using network analysis tools such as protocol analyzers, HP, LAN Analyzer or Network General Sniffer, Fluke
10) Planning design, installation and configuration of LAN/WAN networking technologies, including but not limited to, Ethernet, Fast Ethernet, Token-Ring, ATM, Sonet, Frame Relay and Gigabit Ethernet

Education and/or Experience and Skills

Candidate should have a BS in Computer Science, Engineering, Telecommunications or vocational / technical degree in related area and eight (8) years of experience with network equipment in data communications in a large complex environment (multiple platforms, multiple protocols and 1500 + nodes). Additional years of experience may substitute for the required education on a year-for-year basis. Required to have strong troubleshooting skills. Must be experienced in fiber optics installation and termination. Candidate should possess one or more of the following certificates:

MCSE (NT, 2000, XP platform)
MCP for Windows 2000/Exchange
MCDBA
CCNA
CNE

Fiber and Copper Cable Technicians

Summary

Cable Technicians shall be a full-time employees who shall be proficient in installing, splicing and trouble-shooting various kinds of inside and outside plant cables, both underground and overhead, to include fiber optic, CAT 5e, shielded cables and any other specified cable infrastructure. Shall be proficient with all cable testing procedures, and test devices including OTDR. At least three technicians should be certified to work on Nortel telecommunications equipment Meridian M1, Norstar and related network equipment.

Cable Splicer shall be proficient in installing, splicing and trouble-shooting various kinds of inside and outside plant cables both underground and overhead, to include fiber optic, CAT 3, CAT 5e, shielded cables and any other specified cable infrastructure

The Technicians shall be equipped with diagnostic tools appropriate for the equipment being tested and materials being installed All test equipment shall be certified for the systems and circuits being tested.

Essential Duties, Responsibilities and Minimum Competencies

- Interface with NOC for Device / Line Monitoring
- Perform Preventative Maintenance Services
- Perform fault isolation and corrective measures to resolve user problems
- Test for signal integrity, security requirements and volume and/or throughput and perform other types of test as required
- Voice communication installations
- Voice Systems repairs
- Coordinate service order request for movement of new or existing installations of trunk circuits, and other line services as may be required with the Local Exchange Carrier
- Ensure uniformity and standardization of component
- Provide cable locating support

Education and/or Experience and Skills

Candidate should be a High School graduate and have five (5) years experience in the telecommunication industry.

Should have a minimum of three (3) years experience in the installation and termination of Copper and /or Fiber cabling.

Proficient in Fiber Optics termination and testing is a requirement

Voice Communication Supervisor

Summary

The Voice Communication Supervisor shall be a full-time employee responsible for directing, coordinating and managing the day-to-day operations of the Voice Telecommunications Section. Position is responsible for technical planning, coordination, implementation and maintenance of the Airport's telephone equipment and communications infrastructure. Another important responsibility is the Quality Assurance function, including inspections of work in progress, completed work and ad hoc inspections.

The Voice Communication Supervisor shall be responsible for monitor the work activities of the Technicians. Also responsible for creating and updating Standards and Procedures.

Essential Duties, Responsibilities and Minimum Competencies

- Plans and directs schedules for employees
- Monitors the staff responsible for the product/program/project from initiation through deliver. interfacing with customer on technical matters.
- Define clear guidelines for accomplishing each job task. Monitoring procedures to assure desired results
- Must be able to resolve conflict. Directions must be clear and concise. Delegate responsibilities while assuring accountability
- Coordinate efforts of lower level staff
- Responsible for creating Disaster Recovery and Contingency plans for major outages
- Responsible for maintaining the integrity of structured cabling infrastructure (copper and fiber optic, riser cable, backbone cable, horizontal distribution cable, and telecom rooms) throughout all terminals and airports
- Prioritize work
- Responsible assuring the integrity of the cabling infrastructure
- Assist in the development of installation, diagnostic and repair procedures
- Resolve problems between users, system administrators, and vendors
- Works on problems of diverse scope where analysis of situations or data requires an evaluation of identifiable factors. Exercises judgment within generally defined practices and policies in selecting methods and techniques for obtaining solutions
- Define clear guidelines for accomplishing each job task. Monitoring procedures to assure desired results
- Must be able to resolve conflict. Directions must be clear and concise
- Delegate responsibilities while assuring accountability
- Coordinate efforts of lower level staff
- Responsible for creating Disaster Recovery and Contingency plans for major outages
- Ensure uniformity and standardization
- Interface with NOC for Device / Line Monitoring

Education and/or Experience and Skills

Candidate should have a Bachelors Degree in Computer Science or related field and have at least 10 years work experience in the installation of telecommunications systems equipment of similar type, complexity and environment. Must have two years previous supervisory background with proven record and responsibility for a comparably-sized, similar operation. Additional years of Telecommunications field experience may substitute for the required education on a year for year basis

Voice Technicians

Summary

Voice Technicians shall be a full-time employees who shall be proficient in installing (and preferred to be certified) to work on Nortel telecommunications equipment Meridian M1, Norstar and related network equipment.

The technicians must be factory certified in the installation and repair of telephone and network systems installed in the Airport and are equipped with standard installation tools and test equipment.

Essential Duties, Responsibilities and Minimum Competencies

- Interface with NOC for Device / Line Monitoring
- Perform Preventative Maintenance Services
- Perform fault isolation and corrective measures to resolve user problems
- Test for signal integrity, security requirements and volume and/or throughput and perform other types of test as required
- Voice communication installations
- Voice Systems repairs
- Coordinate service order request for movement of new or existing installations of trunk circuits, and other line services as may be required with the Local Exchange Carrier
- Maintain PBX and Switch Rooms
- Maintain Telephone Distribution points
- Ensure uniformity and standardization of component
- Provide cable locating support
- Assist with PBX Programming
- Working knowledge of EIA/TIA standards (568A, 569A, 570, 606, 607) and BICSI 9th edition Telecommunications Distribution Methods Manuals.
- Excellent customer relationship skills.
- Good written communications skills
- Provide on-site PBX, voice mail, and teleconferencing support to include maintenance and MACs (moves, adds, and changes) according to industry standards
- Document completed trouble tickets and service requests.

Education and/or Experience and Skills

Candidate should be a High School graduate and have five (5) years experience in the telecommunication industry

Should have a minimum of three (3) years experience in the installation and maintenance of Nortel telecommunications systems of similar type, complexity and environment

Prefer candidates with Nortel Meridian certifications

Senior Voice Technician - Lead

Summary

Shall be a full-time employee who should be totally familiar with the installation, repair, and maintenance of various types of telephone systems including VoIP and Wireless Technicians shall have expertise in the installation of intercoms, paging systems, speaker phones, answering machines, call sequencers, announcers, voice response units, electronic key systems, PABXs, and all types of voice and data cabling and telephone instruments.

The technician shall be factory certified in the installation and repair of telephone and network systems installed in the Airport and are equipped with standard installation tools and test equipment.

The technician shall be equipped with diagnostic tools appropriate for the equipment being tested and materials being installed. All test equipment shall be certified for the systems and circuits being tested

Essential Duties, Responsibilities and Minimum Competencies

- Interface with NOC for Device / Line Monitoring
- Perform fault isolation and corrective measures to resolve user problems
- Test for signal integrity, security requirements and volume and/or throughput and perform other types of test as required
- Voice Engineering and Circuit provisioning
- Inside wiring and plant engineering
- Coordinate service order request for movement of new or existing installations of trunk circuits, and other line services as may be required with the Local Exchange Carrier
- Maintain PBX and Switch Rooms
- Maintain Telephone Distribution points
- Ensure uniformity and standardization of Components
- Working knowledge of EIA/TIA standards (568A, 569A, 570, 606, 607) and BICSI 9th edition Telecommunications Distribution Methods Manuals
- Proficient in the use of word processing, spreadsheets, and database software
- Excellent customer relationship skills
- Good written communications skills
- Provide on-site PBX, voice mail, and teleconferencing support to include maintenance and MACs (moves, adds, and changes) according to industry standards
- Document completed trouble tickets and service requests
- Update weekly and monthly reports
- Assist with developing procedures

Education and/or Experience and Skills

Candidate should be a High School graduate and have eight (8) years experience in the telecommunication industry.

Proficient in Fiber Optics termination and testing is a requirement.

Shall have a minimum of five (5) years experience in the installation of telecommunications systems equipment of similar type, complexity and environment

Candidate should have one current Nortel Meridian certification

Senior Voice Technicians

Summary

Shall be a full-time employee. Technicians in this position shall be totally familiar with the installation, repair, and maintenance of various types of telephone systems. Technicians shall have expertise in the installation of intercoms, paging systems, speakerphones, answering machines, call sequencers, announcers, voice response units, electronic key systems, PABXs, and all types of voice and data cabling and telephone instruments.

Cable Splicer shall be proficient in installing, splicing and trouble-shooting various kinds of inside and outside plant cables both underground and overhead, to include fiber optic, CAT 3, CAT 5e, shielded cables and any other specified cable infrastructure

All Technicians must be factory certified in the installation and repair of telephone and network systems installed in the Airport and are equipped with standard installation tools and test equipment

All Voice Technicians shall be equipped with diagnostic tools appropriate for the equipment being tested and materials being installed. All test equipment shall be certified for the systems and circuits being tested.

Essential Duties, Responsibilities and Minimum Competencies

- Assist in development and design
- Interface with NOC for Device / Line Monitoring
- Perform fault isolation and corrective measures to resolve user problems
- Test for signal integrity, security requirements and volume and/or throughput and perform other types of test as required
- Voice Engineering and Circuit provisioning
- Inside wiring and plant engineering
- Coordinate service order request for movement of new or existing installations of trunk circuits, and other line services as may be required with the Local Exchange Carrier
- Maintain PBX and Switch Rooms
- Maintain Telephone Distribution points
- Ensure uniformity and standardization of Components

Education and/or Experience and Skills

Candidate should be a High School graduate and have seven (7) years experience in the telecommunication industry

Proficient in Fiber Optics termination and testing is a requirement.

Shall have a minimum of three (3) years experience in the installation of telecommunications systems equipment of similar type, complexity and environment

Candidate should have one current Nortel Meridian certification

PBX Programmer / Administrator

Summary

Shall be a full-time employee who will be responsible to perform technical evaluation, installation, maintenance and support of the PBX systems and associated environment under the direction of the PBX Engineer.

Essential Duties, Responsibilities and Minimum Competencies

PBX Programmer shall administer Nortel PBX and Voice Mail

Troubleshoot telephone and voice circuit failures voice transport circuits (OC-12, DS3, DS1 &DS0),

Train end users to use automatic call distribution telephones, voice mail, etc.

Perform some preventative maintenance, backups, and recovery tasks

Provide excellent customer service to the client base

Education and/or Experience and Skills

Candidate should be a High School graduate and have at least 3 years experience hands-on maintenance, programming and administration of Nortel PBX for large private or government entities Prefer experience includes Voice over IP and Wireless

Candidate should have at least one of the following Certifications or equivalent.

-NNCA (Nortel Network Certified Architect)

-NNCDE (Nortel Network Certified Design Expert)

-NNCSE (Nortel Network Certified Support Expert)

-Nortel Meridian Installation/Maintenance

-Nortel Meridian Administration

PBX Engineer

Summary

PBX Engineer shall be a full-time employee who will be responsible for managing performance, a ensuring consistent availability of voice network systems, supporting managing resources, troubleshooting complex problems and ensuring the continuous operation of all voice systems, including telephone, voicemail, and long distance services for MDAD users and tenants.

The PBX Engineer will play a strong role in managing multiple concurrent projects relating to the expansion of the existing network facilities and deployment of new network technologies.

Essential Duties, Responsibilities and Minimum Competencies

- Interface with NOC for Device / Line Monitoring
- Perform fault isolation and corrective measures to resolve user problems
- Test for signal integrity, security requirements and volume and/or throughput and perform other types of test as required
- Voice Engineering and Circuit provisioning
- Inside wiring and plant engineering
- Coordinate service order request for movement of new or existing installations of trunk circuits, and other line services as may be required with the Local Exchange Carrier
- Maintain PBX and Switch Rooms
- Maintain Telephone Distribution points
- Ensure uniformity and standardization of Components
- Troubleshoot complex voice communication system problems, including network monitoring, configuration, and maintenance of hardware and software
- Responsible for system design, analyze, design, implementation, and testing of MDAD voice network
- Provide technical expertise on research and perform competitive analysis of hardware and services and ensure the most practical solutions are made available to meet MDAD user and tenant requirements

Education and/or Experience and Skills

Candidate should have a Bachelor of Science in a technical field and at least 4 -6 years experience in the engineering of voice systems for large private or government entities. Additional experience may substitute for the required education on a year-for-year basis.

Strong Nortel PBX experience is required. Options 11c, 61c and 81c. Moves, adds, and changes as well as 3rd level maintenance. Knowledge of Speaker bus, IPC Trade turrets, and Nortel Meridian phone systems is a must.

Proactive awareness of technology trends in voice communications.

Strong analytical skills, ability to collect and assess statistical data, and solve problems.

Candidate should have at least one of the following Certifications or equivalent:

-NNCA (Nortel Network Certified Architect

-NNCDE (Nortel Network Certified Design Expert)

-NNCSE (Nortel Network Certified Support Expert)

Level 1 Support Tech for Office Application MDAD Users

Summary

The Level 1 Support Tech shall be a full-time employee who will provide telephone assistance to MDAD users of Microsoft Office Applications. Support Tech will receive user inquiries from the Help Desk. They will promptly return the call user's call within five (5) minutes from original receipt

Essential Duties, Responsibilities and Minimum Competencies

- Must be certified in Microsoft Office Applications
- Try to assist user by phone before dispatching MDAD IT support staff
- Promptly follows up on all open tickets to ensure User's needs are being addressed and escalates to management as necessary
- Promptly and politely follow-up with caller to ensure problems are resolved and tickets are closed

Education and/or Experience and Skills

Education Level – High School graduate, AA or some college preferred. Microsoft Certifications desirable

Be Proficient in MS Windows Office applications

Be familiar with Airport environment, operations and systems

Be experienced using phone system and voice mail

Have excellent Verbal Communication and spelling Skills – bi-lingual (English and Spanish)

Have good problem-solving logic and skills in order to escalate problems to the appropriate departments

Have excellent Written – Spelling Skills

Have strong Customer Service Skills

Be able to handle stressful situations within time limitations

Help Desk Customer Service Reps

Summary

The Help Desk Customer Service Representatives shall be a full-time employee who will respond to user inquiries regarding trouble with network, platforms, servers, devices and applications. They will track, document, and direct the ticket to the correct dispatcher.

Essential Duties, Responsibilities and Minimum Competencies

- Politely answer all calls within four (4) rings
- Promptly log all calls accurately into the Help Desk Software
- Promptly and properly route the call to the appropriate department for response
- Follows an established checklist – script to ensure all necessary information is obtained from the caller
- Promptly follows up on all open tickets to ensure User's needs are being addressed and escalates to management as necessary
- Promptly and politely follow-up with caller to ensure problems are resolved and tickets are closed

Education and/or Experience and Skills

Education Level – High School graduate. AA or some college preferred. 1 – 2 years Help Desk Experience. Candidate Shall.

Be Proficient in MS Windows Office applications

Be familiar with Airport environment, operations and systems

Be experienced using phone system and voice mail

Have excellent Verbal Communication and spelling Skills – bilingual (English and Spanish)

Have good problem-solving logic and skills in order to escalate problems to the appropriate departments

Have excellent Written – Spelling Skills

Have strong Customer Service Skills

Be able to handle stressful situations within time limitations

NOC Technicians

Summary

Network Operation Center (NOC) Technicians shall be a full-time employee responsible to continuously monitor the health of all infrastructure hardware and the Airport's business-critical systems to ensure optimal network connectivity and performance. This position will be a shift position. 12 hours a day, 3 days on, 4 days off, next week 4 days on, 3 days off.

NOC Technicians will monitor all network status and will interface with Data and Voice engineering, provisioning and technical support to ensure all business critical systems are operational 24 x 7.

Essential Duties, Responsibilities and Minimum Competencies

- Coordinate, monitor and direct repairs
- Identify potential problems in circuits, Switches, routers, servers, hardware and applications before end-users are affected
- Identify, isolate and report network outages
- Proactively manage network troubles
- Verify new circuit or service activations and all associated documentation
- Maintain hourly log of ALL NOC Alarm activity
- Test and maintain performance by manually monitoring for faults and troubles. Receive, recognize and respond to alarms, analyze the condition causing the alarm. Clear Alarm, Dispatch or Escalate within 15 minutes from alarm indication
- Assist field personnel in establishing, locating and repairing voice and data circuit malfunctions such as shorts, opens and unbalanced pairs
- Accept incoming Help Desk request for network assistance according to established procedures
- Provide outbound notification of service interruptions to identifies points of contact
- Track, monitor, resolve, and report all open trouble tickets assigned to the NOC
- Determine availability and round-trip response time for selected network systems, and trace route information
- Monitor Network Security
- Interfacing with Network Engineering, Provisioning, and Technical Support

Education and/or Experience & Skills

Candidate should be a High School graduate an have a minimum of one (1) year **in each** of the following:

1. Previous NOC experience
2. Telecommunications industry working in an operations position
3. Working on a Nortel DMS or Lucent 5E platform
4. Working on transport equipment and facilities such as MUX, DS-3, T1
5. Experience supporting a data network

Candidates shall be able to handle stressful situations within time limitations and have excellent verbal and written communications skills and have excellent interpersonal and professional interaction skills.

NOC Technicians – Senior Level

Summary

Network Operation Technicians shall be a full-time employee Technicians shall continuously monitor the health of all infrastructure hardware and the Airport's business-critical systems to ensure optimal network connectivity and performance This position will be a shift position, 12 hours a day, 3 days on, 4 days off, next week 4 days on, 3 days off

NOC Technicians will monitor all network status and will interface with Data and Voice engineering, provisioning and technical support to ensure all business critical systems are operational 24 x 7.

Essential Duties, Responsibilities and Minimum Competencies

- Same duties and responsibilities as shown for NOC Technicians
- Provide on-site monitoring of voice and data network
- Perform testing and troubleshooting of voice and data network
- Manage notification and escalation of network problems
- Support Voice and Data technicians to assist in network or customer trouble resolution
- Consistently work and communicate with other team member to achieve common goals
- Properly documents all events and/or problems, as needed
- Monitoring all MDAD WAN AND LAN and installation from major CLECs, ILECs and IXCs
- Debugging TCP/IP and SNMP
- IP Routing
- Work with Transport Working on transport equipment and facilities such as MUX, DS-3, T1

Education and/or Experience and Skills

Candidate should have an Associates degree / technical degree or HP OpenView or IBM Netview Operation Certification plus a minimum of three years in each of the following:

1. Previous NOC experience
2. Telecommunications industry working in an operations position
3. Working on a Nortel DMS or Lucent 5E platform
4. Practical hands-on experience with networking protocols such as TCP/IP and IPX and other protocols such as SNA, SMS, and SNMP
5. Experience support a data network

Candidates shall be able to handle stressful situations within time limitations and have excellent verbal and written communications skills and have excellent interpersonal and professional interaction skills.

NOC Openview/Netview Configuration Specialist / Administrator

Summary

Network Operation Technicians – Configuration Specialist / Administrator shall be a full-time employee. Must be proficient in HP Openview/IBM Netview. Technician shall be primarily responsible for all configurations, mapping, and the creation of Graphics for the NOC Software

Essential Duties, Responsibilities and Minimum Competencies

- Same duties and responsibilities as shown for NOC Technicians
- Configure and Manage NOC Software (HP Openview / IBM NetView) – Including:
  - A network management protocol SNMP
  - The management information base
  - Network Management Architecture – Directory and IP Discovery
  - Creation of Graphical User Interfaces /submaps and web launcher
  - Creation of new maps and setting map permissions
  - Setting object attributes and symbol type
  - Managing and unmanaging objects
  - Use of Monitoring tools to test basic connectivity, checking device configuration, and configuring the graphics.
  - Basic Network Administration including IP discovery polling
  - The management subtree
  - Basic SNMP communications
  - Configuring SNMP community names
  - Configuring SNMP and status polling
  - Configuring Events and Alarms
  - Configuring Reporting Interfaces
  - Backing up of Data

Education and/or Experience and Skills

Candidate should have an Associates / technical degree or HP Openview or IBM Tivoli/Netview Administrator /Implementation / Consultant Certification plus a minimum of two years experience in the following areas:

Previous experience with NOC Software Configuration
Telecommunications LAN/WAN – Viewing and interpreting events
Monitoring packets
Intermediate NT server administration
TCP/IP and SNMP advanced experience and debugging
General networking concepts including routing, bridging, and switching
IP Address to Name resolution
Client/Server basic knowledge
Principles of networking hardware
IP Routing

Dispatch – Scheduler Specialist

Summary
Shall be a full time employee This position shall be responsible to receive and record all incoming service and MAC calls from company departments, including repair calls for voice and other terminal-wide equipment. Dispatch tickets in a pre-developed sequence Dispatch technicians within 3 to 4 minutes accurately using dispatching software Input all "work-completed" comments given by the technician in a descriptive fashion that meets trouble ticket standards.

Essential Duties, Responsibilities and Minimum Competencies
Includes the following.

- Notify division manager and/or branch supervisor of system outages and status until system is back up
- Schedule service technicians
- Track and report on missed commitments
- Escalate problems per requirements
- Update all tickets
- Monitor all tickets on hold
- Prepare weekly down system report and other reports as directed by Supervisor
- Resolve tickets when complete, ensuring problem description, time entry, parts requirements and resolution information is complete and accurate
- Open on-site tickets and provide ticket status to callers
- Handle all tickets to resolution
- Prepare weekly on call list and forward to MDAD at the direction of the supervisor
- Network coordination back up

Education and/or Experience and Skills

HS Diploma or equivalent, minimum 1 year experience as a dispatcher in a similar environment. Minimum of 1 year experience creating reports and spreadsheets in MS Excel and Power Point.

~~Ability to compose grammatically correct sentences, add, subtract, multiply, and divide a series of~~ numbers, and use standard office equipment such as calculator, 10-key, personal computer, etc. Handle stressful situations within time limitations.

Purchasing Administrator

Summary

Shall be a full-time employee This position will be responsible for all purchasing and supervision of incoming and outgoing material shipments, warehouse management and inventory control / asset management. The responsibilities will also include the physical tasks involved in the shipping, receiving, storing, and distributing of materials, parts, supplies, and equipment.

Essential Duties, Responsibilities and Minimum Competencies

- Implements parts procurement and inventory processes
- Good problem solving skills, and verbal and written communication skills
- A positive work attitude, attention to detail.
- Computer based analytical skills. Highly proficient with MS Excel and MS Access
- Extensive experience working with accounting related to purchasing, cost and inventory
- Preparation of reports, Q/C, and inventory analysis and management
- Prepares and maintains records of merchandise shipped
- Unpacks and checks goods received against purchase orders or invoices, maintains records of received goods, rejecting unsatisfactory items when necessary
- Examines, stocks, and distributes materials in inventory to installation technical staff
- Stores merchandise received, lifting heavy items and operating a forklift if necessary

Education and/or Experience and Skills

Candidate should have a BA / BS Degree with 3 years experience in Purchasing and Inventory Management and three years in the Telecommunication Industry Additional experience may substituted for the required education on a year-for-year basis Or in lieu of a Degree, 5 years experience in Purchasing and Inventory Management and three years in the Telecommunication Industry

CADD Operator

Summary

Shall be a full-time employee. CADD operator must be capable of producing point to point wiring diagrams, floor plans with devices, layouts, risers diagrams, "as-builts" and complete submittal packages. The individual must be willing to perform field surveys to help develop the aforementioned items and keep job information up to date.

Essential Duties, Responsibilities and Minimum Competencies

- Updates CADD as-built drawings for completed projects
- Maintains CADD file system
- Responsible for the maintenance of all records relating to new and modified installations

Education and/or Experience and Skills

Candidate should have an Associate's degree (A.A) or equivalent from two-year college or technical school At least one year of experience using AutoCAD 14 or 2000 in a telecommunications environment

Network Engineer V

SUMMARY

Network Engineer - Expert Level. Shall be full-time employee. No option to work from home; on-site only. Engineer at this level shall be expert technologist who has extensive knowledge of network architectures and design criteria. He/She shall be experienced in the installation of data communications cabling and equipment The Level V Network Engineer shall have experience utilizing diagnostic tools appropriate for the equipment being tested and materials being installed. All test equipment shall be certified and undergo calibration every year for the systems and circuits being tested. Level V Network Engineer must be an expert in Routers and Switches, their command structure, configuration, security, Configuring both LAN and WAN ports to accept various protocols on the Network, copy and manipulate configuration files, TCP/IP protocols, Ethernet, and backup and disaster recovery.

Essential Duties, Responsibilities and Minimum Competencies

- Oversee the interface with NOC for Device / Line Monitoring
- The Network Engineer shall be an expert and have hands-on experience in the following areas related to Local and Wide Area Networks.

1. The following layers of the Open System Interconnect ("OSI") open network architecture
   a) The Physical Layer and equipment such as repeaters
   b) The data Link and equipment such as bridges
   c) The Network Layer and equipment such as routers
2. Medium for Ethernet, and ATM, such as Category 5 and fiber optic cables & connectors.
3. Installation practices of the Physical Media per EIA/TIA 568B, 569, 606, 607, TSB67and any other standards as they are published. Solid understanding of BICSI cabling standards
4. Safety and fire codes such as the National Electrical Code, as they apply to grounding, power, and fire stopping.
5. Data communications equipment such as modems, CSUs/DSUs, routers, switches, and multiplexers
6. Communications circuits such as T1, frame relay, ISDN, ATM, and ADSL
7. Designing and troubleshooting router designs from multiple manufactures such as Cisco, 3Com, Nortel, Marconi
8. Designing and troubleshooting designs of switching products and technology, Solid understanding of cable trays, raceways, patch panels, cable management, fiber optics and connectors
9. Extensive experience on using network analysis tools such as protocol analyzers, HP, LAN Analyzer or Network General Sniffer, Fluke
10. Planning design, installation and configuration of LAN/WAN networking technologies, including but not limited to, Ethernet, Fast Ethernet, Token-Ring, ATM, Sonet, Frame Relay and Gigabit Ethernet

Education and/or Experience and Skills

Candidate should have a BS in Computer Science, Engineering, Telecommunications, vocational / technical degree in related area or ten plus (10+) years of experience with network equipment in data communications in a large complex environment (multiple platforms, multiple protocols and 1500 + nodes). Additional years of experience may substitute for the required education on a year-for-year basis. Required to have strong troubleshooting skills. Candidate must have at a minimum a CISCO CCIE certification with hands on experience on CISCO 6500 switches, CISCO 2900 switches and CISCO routers such as the CISCO 2600, 3745 and 7200. It is a plus for the candidate to have one or more of the following certificates: Nortel Networks Switches and Routers, MSCE (NT, 2000, XP platform), Novell CNA.

Exhibit D
Irrevocable Standby Letter of Credit and Performance and Payment Bond

NXT 5419

Exhibit

(On bank's letterhead)

FORM OF
Irrevocable Standby Letter of Credit

Date ____ _____
L.O.C. No. _____

Miami-Dade Aviation Department
Attn: Credit Manager
P.O. Box 592616
Miami, Florida 33159-2616

Ladies and Gentlemen.

By order of _____(Name of User)_____, we hereby issue our Irrevocable Standby Letter of Credit No. _____ in your favor in an amount not to exceed $ $5,000,000.00 in U.S. Funds, effective immediately, and expiring at the close of business on _____ _____ ___, 20___.

THIS IRREVOCABLE STANDBY LETTER OF CREDIT shall be security for the performance by _____ (Principal) (Contractor) of the following additional covenants and obligations, and the recitals and references herein contained shall constitute a part of this Irrevocable Letter of Credit and obligation:

1. Funds under this Letter of Credit are available to you against your draft(s) drawn on us at sight, identifying your Letter of Credit number. Each such draft(s) must be accompanied by your signed written statement purported to be signed by an official of the Miami-Dade Aviation Department reading as follows:

> "that _____ has failed to perform, carry out and abide by all terms, conditions and provisions of the Non-Exclusive Telecommunications and Network Management Services Agreement, entered into with the Miami-Dade Aviation Department, including all maintenance and warranty provisions and failed to furnish complete the items herein specified in accordance with the terms thereof, for these reasons we are presenting our draft for payment to _____ _____ _____ (Issuing Bank)"

2. Partial drawings under this Letter of Credit are permitted.

3. This Letter of Credit shall be valid until _____ ___, 20___ and shall thereafter be automatically renewed without amendment for successive one year periods upon each anniversary of before the above expiration date unless we notify you in writing by certified or registered mail at your above address, at least sixty (60) days prior to the above stated expiration date, that we elect not to renew this Letter of Credit. Except if notified by the County to change the amount of this Irrevocable Standby Letter of Credit, the (Principal) (Contractor) is required to renew this Irrevocable Standby Letter of Credit annually for the duration of the Non-Exclusive Telecommunications and Network Management Services Agreement.

4. This Letter of Credit shall, however, in no circumstances extend beyond _____ ___, 20___. In the event that we elect not to extend this Letter of Credit and notify you as above then this Letter of Credit shall be available by your draft at sight on us, which need not be accompanied by the above mentioned statement

We hereby engage with you that all drafts drawn under and in compliance with the terms of this Letter of Credit will be duly honored by us if presented at our counters with this original Letter of Credit while this Letter of Credit is in force and effect

_____
(Issuing Bank)

By:_____
(Signature)

_____
(Print Name)

_____
(Print Title)

NXT 5421

PSC 7084

MIAMI-DADE COUNTY, FLORIDA
PERFORMANCE AND PAYMENT BOND

Any change, alteration or addition to this form will disqualify this Performance and Payment Bond

STATE OF FLORIDA)
SS
COUNTY OF DADE)

KNOW ALL MEN BY THESE MEANS THAT _____

_____

_____ As Principal, and _____

_____

A corporation organized under the laws of the State of _____ with its home office in the city of _____, as Surety, (said Principal and said Surety hereinafter collectively being referred to as Obligator), are held and finally bound unto Dade County, Florida, acting by and through the BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, and their successors in office, hereinafter called the Obligee, in the sum of $_____ lawful money of the United States of America, for the payment whereof to the Obligee, the Principal and Surety respectively bind themselves, their successors, heirs, and assigns jointly and severally, finally by these present.

Signed, sealed and dated this _____ day of _____, 20_____

WHEREAS the Principal and Obligee have entered into a written contract, hereinafter called the "Contract" for

_____

_____

As evidenced by contract and specifications made a part thereof, entered into between the Principal and the Obligee on the _____ day of _____, 20_____ a copy of which Contract may be attached hereto and is hereby referred to and made a part thereof

NOW, THEREFORE, the conditions of the foregoing obligation is such that if the Principal shall indemnify the Obligee for all loss that the Obligee may sustain by reason of the Principal's failure to comply with any of the terms of the Contract, then this obligation shall be void, otherwise, it shall remain in full force

THIS BOND shall also be security for the performance by the Principal and Surety of the following additional covenants and obligations, and the recitals and references herein contained shall constitute a part of this Bond and obligation

1 Said Principal (Contractor) shall well and truly perform, carry out and abide by all terms, conditions and provisions of said Contract including all maintenance and warranty provisions and furnish complete the items herein specified in accordance with the terms thereof, and the Obligator herein shall and does hereby agree to indemnify the Obligee and hold it harmless of, from and against any and all liability loss, cost, damage or expense and attorney's fees, including appellate proceedings, which said Dade County, Florida may incur or which may accrue or be imposed upon either thereof by reason of any negligence, default and/or misconduct on the part of the said contractor, and _____ agents, servants, and/or employees, in, about or on account of the performance of said contract by the said contractor, and shall repay to and reimburse to the said Dade County, Florida, promptly upon demand, all sums of money, each and every, reasonably paid out or expended by the said Obligee on account of the failure and/or refusal of said contractor to carry out, do, perform and/or comply with any of the terms and provisions of said Contract at the time and in the manner therein provided

2 The Principal will make payments to all persons supplying Principal labor, material and supplies used directly or indirectly by the Principal or any subcontractors of the Principal in the prosecution of the work provided for in said Contract

3 Each and every person, natural and artificial, for whose benefit this bond has been executed as disclosed by the text of this bond and of said Contract, specifications, drawings and all papers, and of said agreement and instruments attached and made a part of said Contract, and each and every person, natural and artificial, supplying labor, materials and supplies in furtherance of said Contract, shall have the same several rights of suit or action upon this bond as if he or they were the Obligee or Obligees herein specially mentioned, and the obligations hereof shall be several as to the rights of said persons or said Obligees hereof

4 In each and every suit brought against the Obligor upon this bond in which the Plaintiff shall be successful, there shall be assessed therein against the Obligor herein, in favor of the Plaintiff therein, reasonable counsel fees, which the Obligor hereby expressly agrees to pay as part of the cost and expense of such suit

IN WITNESS WHEREOF THE PRINCIPAL AND THE SURETY HAVE EXECUTED THESE

Presents this _____ day of _____, 20____

WHEN THE PRINCIPAL IS AN INDIVIDUAL:

Signed, sealed and delivered in the presence of _____
Printed Name of Individual

_____

_____ _____
Two Witnesses Signature of Individual

[redacted]

WHEN THE PRINCIPAL IS SOLE PROPRIETORSHIP OR OPERATES UNDER TRADE NAME:

Signed, sealed and delivered in the presence of _____
Name of Firm

_____ _____
Signature of Individual

_____ _____
Two Witnesses Printed Name of Individual

[redacted]

WHEN THE PRINCIPAL IS A PARTNERSHIP:

Signed, sealed and delivered in the presence of _____
Name of Firm – A Partnership

_____ _____
Printed Name of One Partner

_____ _____
Two Witnesses Signature of One Partner

[redacted]

WHEN PRINCIPAL IS A CORPORATION:

_____ _____

_____ _____
Secretary Correct Name of Corporation

(Affix Corporate Seal) By _____
President or Vice-President

[redacted]

Attest

_____ _____
Corporate Surety

_____
Business Address

Countersigned

_____ By _____
Florida Resident Agent Corporate Seal

CORPORATE PRINCIPAL CERTIFICATION

I _____, certify that I am the Secretary of the Corporation named as principal in the within bond. that _____, who signed the said bond on behalf of the principal, was then _____ of said corporation, that I know his signature, and his signature thereto is genuine: and that said bond was duly signed, sealed and attested foe and in behalf of said corporation by authority of its governing body.

Corporate Seal

STATE OF FLORIDA)
SS
COUNTY OF DADE)

Before me, a Notary Public, duly commissioned, qualified and acting, personally appeared _____ _____ to me well known, who being by me first duly sworn upon oath says that he/she is the Attorney-in-fact for the _____ and that he/she has been authorized by _____ to execute the foregoing bond on behalf of the Contractor named therein in favor of Miami-Dade County, Florida.

Subscribed and sworn to before me this _____ day of _____ A.D. 20 _____

_____

Notary Public, State of _____ at Large

My commission expires _____

Revised 10/9/98

NXT 5424

PSC 7087

Exhibit E
Airport Customs Security Area Bond

EXHIBIT E

CODE OF FEDERAL REGULATIONS
TITLE 19-CUSTOMS DUTIES
CHAPTER I-UNITED STATES CUSTOMS SERVICE, DEPARTMENT OF THE TREASURY
PART 113-CUSTOMS BONDS
Current through October 1, 2002, 67 FR 61757

Appendix A to Part 113-Airport Customs Security Area Bond

Airport Customs Security Area Bond

_____
_____
(name of principal)

of _____

and _____

_____
_____
(name of surety)

of _____

are held and firmly bound unto the United States of America in the sum of _____dollars ($_____), for the payment of which we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

WITNESS our hands and seals this _____ day of _____, 20 _____.

WHEREAS, the principal (including the principal's employees, agents and contractors) desires access to Customs airports security areas located at _____ Airport during the period of one year beginning on the _____ day of _____, 20 ____, and ending on the _____ day of _____, 20 ____, both dates inclusive.

Now, Therefore, the Conditions of this Obligation is Such That –

The principal agrees to comply with the Customs Regulations application to Customs security areas at airports.

If the principal defaults on the conditions of this obligation, the principal and surety jointly and severally, agree to pay liquidated damages of $1,000 for each default or such other amount as may be authorized by law or regulation

Signed, Sealed, and Delivered in the Presence of—

_____
_____
_____
_____
Name

Address

_____
_____
_____
_____
_____
_____
Name

Address

Principal (SEAL)

Copr. © West 2002 No Claim to Orig. U.S. Govt. Works

_____
_____
_____
_____
Name

Address

_____
_____
_____
_____
Name

Address

_____
_____
_____
_____
_____
_____
Name

Address

Surety (SEAL)

_____
_____
_____
_____
Name

Address

[53 FR 29230, Aug. 3, 1988, 54 FR 10536, March 14, 1989]

<General Materials (GM) – References, *Annotations, or Tables*>

19 CFR Pt. 113 App. A

19 C.F.R. Pt. 113 App. A

END OF DOCUMENT

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EXHIBIT F
PRELIMINARY BUDGET ESTIMATE

NXT 5428

EXHIBIT G

INVENTORY LIST: MDAD FIXED ASSETS

Addendum No. 1

Description	Manufacturer	Model #
BTP		512C
NEEDS DESCRIPTION		CMF3
25PR CABLE ASSY M/M 100'		CC25M/M100FT
PATCHCORD CAT 5 7FT		AT15078C
PATCHCORD CAT5 7FT		AT15078C
PATCHCORD SC/SC MM DPLX 3FT		038888003F
INNERDUCT PLENUM 1"		PLM100T/2500
INNERDUCT 1"		CF4X1C-2500
PATCHCORD SC/SC MM DPLX 2MTRS		602ZCMCTC002M
PATCHCORD SC/SC MM DPLX 6FT		038888006F
25PR CABLE ASSY F/F 50'		CC25F/F50FT
25 PR CABLE ASSY F/X 100'		CC25F/X100FT
PATCHCORD ST/SC SM		586102R5831002M
PATCHCORD SC/SC MM		393901K3841003M
PATCHCORD SC/SC MM DPLX 6FT		038888006F
PATCHCORD ST/SC MM		602ZCMCTMC002
PATCHCORD ST/SC MM		395002K5141010F
TELEPHONE RECORDER		TLP-107SY
PATCHCORD SC/SC SM		585802R5831002M
PATCHCORD FC/SC SM		545802R5831020F
PATCHCORD SC/SC MM		393902K5841020F
LINK BUILDER FMS II	3COM	N/A
ETHER HUB 12 PORT	3COM	3C16670
FIBER OPTIC SPLCE SLEEVE	3M	2170
POWER PANEL	ADC	N/A
KENTROX CSU CARD CAGE	ADC	N/A
KENTROX CSU CARD CAGE	ADC	N/A
ADC POWER PANEL	ADC	N/A
BLOWN FUSE INDICATOR	ADC	N/A
BLOWN FUSE INDICATOR	ADC	N/A
BLOWN FUSE INDICATOR	ADC	N/A
KENTROX CSU CARD ACGE	ADC	N/A
KENTROX T-SMAST CSU	ADC	N/A

NXT 5430

PSC 7093

Description	Manufacturer	Model #
NT1 ACE	ADRAN	N/A
19" CARD CAGE	ADTRAN	N/A
HTU CARD	ADTRAN	N/A
DB-25 TO RJ-45 CONVERTOR	ALLEN TEL	ATRA8M
DB-9 TO RJ45 CONVERTOR	ALLEN TEL	ATDB9F-8
DB-9 TO RJ-45 CONVERTOR	ALLENTEL	ATDB9F-8
DB-25 TO RJ-45	ALLENTEL	ATRA8M
ALPHA SYSTEM	ALPHA	ALPHA
ALPHA UNIT	ALPHA	N/A
ALPHA POWER SUPPLY	ALPHA	N/A
ALPHA SYSTEM	ALPHA	N/A
ALPHA UNIT	ALPHA	N/A
ALPHA 2KVA RACK MOUNTED UPS W/4 BATTERY PACK	ALPHA	ALPHA2KVA
ALPHA SYSTEM	ALPHA	ALPHA
ALPHA 2KVA RACK MOUNTED UPS W/4 BATTERY PACK	ALPHA	N/A
ALPHA POWER SUPPLY	ALPHA	N/A
ALPHA UNIT	ALPHA	N/A
ALPHA POWER SUPPLY	ALPHA	N/A
ALPHA POWER SUPPLY	ALPHA	N/A
ALPHA 2KVA RACK MOUNTED UPS W/4 BATTERY PACK	ALPHA	ALPHA2KVA
ALPHA POWER SUPPLY	ALPHA	N/A
ALPHA 2KVA RAXK MOUNTED UPS W/4 BATTERY PACK	ALPHA	ALPHA2KVA
ALPHA UNIT	ALPHA	N/A
ALPHA UNIT	ALPHA	N/A
ALPHA POWER SUPPLY	ALPHA	N/A
ALPHA 2KVA RACK MOUNTED UPS W/4 BATTERY PACK	ALPHA	N/A
ALPHA POWER SUPPLY	ALPHA	N/A
ALPHA 2KVA RACK MOUNTED UPS W/4 BATTERY RACK	ALPHA	ALHPA2KVA
ALPHA 2KVA RACK MOUNTED UPS W/4 BATTERY PACK	ALPHA	N/A
ALPHA UNIT	ALPHA	N/A
ALPHA 2KVA RACK MOUNTED UPS W/4 BATTERY PACK	ALPHA	ALPHA2KVA
ALPHA POWER SUPPLY	ALPHA	N/A
ALPHA 2KVA RACK MOUNTED UPS W/4 BATTERY PACK	ALPHA	N/A

NXT 5431

PSC 7094

Description	Manufacturer	Model #
UPS SMART	APC	N/A
UPS UNIT	APC	N/A
UPS SYSTEM	APC	APC 1250
UPS	APC	N/A
UPS	APC	N/A
UPS	APC	SUA1000
UPS	APC	N/A
1400 SMART UPS	APC	N/A
UPS SYSTEM	APC	N/A
BACK - UPS	APC	N/A
UPS SMART	APC	N/A
UPS	APS	N/A
NAALOG PHONE	AT&T	210
CLEAR BUFFER	AT&T	845769272
LIGHT GUIDE	AT&T	N/A
ANALOG PHONE	AT&T	210
72 POS LIGHT GUIDE	AT&T	N/A
ANALOG PHONE	AT&T	210
ANALOG PHONE	AT&T	210
ANALOG PHONE	AT&T	210
ANALOG PHONE	AT&T	210
ANALOG PHONE	AT&T	210
TRIMLINE PHONE	AT&T	210-WH
ANALOG PHONE	AT&T	210
ANALOG PHONE	AT&T	210 TRIMLINE
ANALOG PHONE	AT&T	210 TRIMLINE
ANALOG PHONE	AT&T	210
LIGHT GUIDE	AT&T	
LIGHT GUIDE	AT&T	NSPN5
TRIMLINE PHONE	AT&T	210
LIGHT GUIDE	AT&T	N/A
ANALOG PHONE	AT&T	210
TRIMLINE PHONE	AT&T	210

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PSC 7095

Description	Manufacturer	Model #
CLEAR BUFFER	AT&T	845769272
LIGHT GUIDE	AT&T	N/A
LIGHT GUIDE	AT&T	CCH-04U
ANALOG PHONE	AT&T	210
72 POS LIGHT GUIDE	AT&T	N/A
ANALOG PHONE	AT&T	210
LIGHT GUIDE	AT&T	N/A
TRIMLINE PHONE	AT&T	210-WH
ANALOG PHONE	AT&T	210 TRIMLINE
ANALOG PHONE	AT&T	210 TRIMLINE
ANALOG PHONE	AT&T	210 TRIMLINE
ANALOG PHONE	AT&T	210
ANALOG PHONE	AT&T	210 TRIMLINE
ANALOG PHONE	AT&T	210
ANALOG PHONE	AT&T	210
ANALOG PHONE	AT&T	210
ANALOG PHONE	AT&T	210
TRIMLINE PHONE	AT&T	210-WH
ANALOG PHONE	AT&T	210
ANALOG PHONE	AT&T	210 TRIMLINE
ANALOG PHONE	AT&T	210
TRIMLINE PHONE	AT&T	210-WH
ANALOG PHONE	AT&T	210
CLEAR BUFFER	AT&T	845769272
ANALOG PHONE	AT&T	210
ANALOG PHONE	AT&T	210
CONSOLE CARD SET	BAKER	N/A
MOUNTING SHELF CARD CAGE	BAKER	N/A
CONSOLE CARD SET	BAKER	N/A
CONSOLE CARD SET	BAKER	N/A
CONSOLE CARD SET	BAKER	N/A
CONSOLE CARD SET	BAKER	N/A
CONSOLE CARD SET	BAKER	N/A

NXT 5433

PSC 7096

Description	Manufacturer	Model #
CONSOLE CARD SET	BAKER	N/A
MOUNTING SHELF CARD CAGE	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
CONSOLE CARD SET	BAKER	N/A
CONSOLE CARD SET	BAKER	N/A
CONSOLE CARD SET	BAKER	N/A
CONSOLE CARD SET	BAKER	N/A
CONSOLE CARD SET	BAKER	N/A
CONSOLE CARD SET	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
RADIO INTERFACE CARD	BAKER	N/A
RADIO INTERFACE CARD	BAKER	N/A
RADIO INETRFACE CARD	BAKER	N/A
RADIO INTERFACE CARD	BAKER	N/A
RADIO INTERFACE CARD	BAKER	N/A
RADIO INTERFACE CARD	BAKER	N/A
CONSOLE CARD SET	BAKER	N/A
CONSOLE CARD SET	BAKER	N/A
RADIO INTERFACE CARD	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
CONSOLE CARD SET	BAKER	N/A
MOUNTING SHELF CARD CAGE	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
RADIO INTERFACE CARD	BAKER	N/A
RADIO INTERFACE CARD	BAKER	N/A
RADIO INTERFACE CARD	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
RADIO INTERFACE CARD	BAKER	N/A
CONSOLE CARD SET	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
MOUNTING SHELF CARD CAGE	BAKER	N/A

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PSC 7097

Description	Manufacturer	Model #
TELEPHONE INTERFACE CARD	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
BAKER FUSE PANEL	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
MOUNTING SHELF CARD CAGE	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
MOUNTING SHELF CARD CAGE	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
EXTENDED FILE CONTROLLER	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
SERIES BAKER CONSOLE	BAKER	N/A
EXTENDED FILE CONTROLLER	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
CONSOLE CARD SET	BAKER	N/A
MOUNTING SHELF CARD CAGE	BAKER	N/A
CONSOLE CARD SET	BAKER	N/A
CONSOLW CARD SET	BAKER	N/A
RADIO INTERFACE CARD	BAKER	N/A
MOUNTING SHELF CARD CAGE	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
RADIO INTERFACE CARD	BAKER	N/A

NXT 5435

PSC 7098

Description	Manufacturer	Model #
CONSOLE CARD SET	BAKER	N/A
RADIO INTERFACE CARD	BAKER	N/A
RADIO INTERFACE CARD	BAKER	N/A
RADIO INTERFACE CARD	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
CONSOLE CARD SET	BAKER	N/A
MOUNTING SHELF CARD CAGE	BAKER	N/A
TELEPHONE INTERFACE CARD	BAKER	N/A
BAYSTACK 450-24 PORT	BAY NETWORKS	450-24T
BAYSTACK ACCESS NODE	BAY NETWORKS	N/A
ANH Router ITD	BAY NETWORKS	N/A
BAYSTACK 10 BASE-T HUB	BAY NETWORKS	N/A
BAYSTACK ACCESS NODE	BAY NETWORKS	N/A
BAY POINT PC	BAY POINT	N/A
BAYSTACK AN-ES 4MB	BAYNET	N/A
BAYSTACK ANH-12 16MB	BAYNET	N/A
AB SWITCH BOX	BLACK BOX	N/A
AB SWITCH BOX	BLACK BOX	N/A
ABCDE SWITCH BOX	BLACK BOX	N/A
ABC SWITCH	BLACK BOX	N/A
ABC SWITCH	BLACK BOX	N/A
ABC SWITCH	BLACK BOX	N/A
ABC SWITCH BOX	BLACK BOX	N/A
SERVER SWITCH	BLACKBOX	N/A
SERVER SWITCH 4 POSITIONS	BLACKBOX	N/A
2400 BPS MODEM	BOCAMODEM	N/A
BOGEN AMPLIFIER	BOGEN	N/A
VIDEO TERMINAL	BOUNDLESS	N/A
VIDEO TERMINAL	BOUNDLESS	N/A
VIDEO TERMINAL	BOUNDLESS	N/A
ELEVATOR PHONE	CEECO	S8P-511-D

Description	Manufacturer	Model #
CEECO ELEVATOR PHONE	CEECO	CEECO
CEECO ELEVATOR PHONE	CEECO	CEECO
CEECO ELEVATOR PHONE	CEECO	CEECO
CEECO ELEVATOR PHONE	CEECO	CEECO
CEECO ELEVATOR PHONE	CEECO	CEECO
ELEVATOR PHONE	CEECO	S8P-511-D
RELAY RACK 19"x84"	CHATSWORTH	N/A
7' ALUMINUM 19" RACK	CHATSWORTH	N/A
RELAY RACK 19"x84"	CHATSWORTH	N/A
REBY RACK 19"x 84"	CHATSWORTH	N/A
7' ALUMINUM 19" RACK	CHATSWORTH	N/A
RELAY RACK 19"x 84"	CHATSWORTH	N/A
CABLE RACK CEILING 18'	CHATSWORTH	N/A
19' RACK 7'	CHATSWORTH	N/A
19" RACK 7'	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
WALL MOUNT RACK-19"	CHATSWORTH	11961-118
19" RACK 7'	CHATSWORTH	N/A
RELAY RACK 19"x 84"	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
LADDER RACK	CHATSWORTH	N/A
7FT RACK 19"	CHATSWORTH	N/A
LADDER RACK 25'	CHATSWORTH	N/A
75" LADDER RACK	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
LADDER RACK	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A

Description	Manufacturer	Model #
RACK	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
LADDER RACK	CHATSWORTH	N/A
LADDER RACK	CHATSWORTH	N/A
LADDER RACK	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
RELAY RACK 19"x84"	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
LADDER RACK	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
7FT 19" RACK	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
LADDER RACK	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
LADDER RACK	CHATSWORTH	N/A
RELAY RACK 19"x 84"	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
LADDER RACK	CHATSWORTH	N/A
LADDER RACK	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
19" STANDALONE RACK	CHATSWORTH	N/A
RELAY RACK 19"x84"	CHATSWORTH	N/A
RELAY RACK 19"x84"	CHATSWORTH	N/A
LADDER RACK	CHATSWORTH	N/A
RELAY RACK 19"x84"	CHATSWORTH	N/A
RELAY RACK 19"x84"	CHATSWORTH	N/A
RELAY RACK 19"x84"	CHATSWORTH	N/A
RELAY 19"x 84"	CHATSWORTH	N/A
RELAY RACK 19"x84"	CHATSWORTH	N/A

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Description	Manufacturer	Model #
RELAY RACK 19" x84"	CHATSWORTH	N/A
RELAY RACK 19"x84"	CHATSWORTH	N/A
RELAY RACK 19"x 84"	CHATSWORTH	N/A
19" RACK 7'	CHATSWORTH	N/A
LADDER RACK	CHATSWORTH	N/A
LADDER RACK	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
LADDER RACK	CHATSWORTH	N/A
RELAY RACK 19"x84"	CHATSWORTH	N/A
8' LADDER RACK	CHATSWORTH	N/A
RELAY RACK 19"x84"	CHATSWORTH	N/A
REALY RACK 19"x84"	CHATSWORTH	N/A
LADDER RACK	CHATSWORTH	N/A
RELAY RACK 19" x 84"	CHATSWORTH	N/A
RELAY RACK 19"x84"	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
7FT RACK 19"	CHATSWORTH	N/A
RELAY RACK 19"x84"	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
RELAY RACK 19"x 84"	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
RELAY RACK 19"x84"	CHATSWORTH	N/A
RELAY RACK 19"x84"	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
WALL MOUNTED RACK CABINET	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
12' LADDER RACK	CHATSWORTH	N/A
RELAY RACK 19"x84"	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
RACK STANDALONE 7'	CHATSWORTH	N/A
REALY RACK 19"x84"	CHATSWORTH	N/A

Description	Manufacturer	Model #
19" RACK WALL MOUNT	CHATSWORTH	N/A
RELAY RACK 19"x84"	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
RELAY RACK 19"x84"	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
LADDER RACK	CHATSWORTH	N/A
LADDER RACK	CHATSWORTH	N/A
LADDER RACK	CHATSWORTH	N/A
RELAY RACK 19"x84"	CHATSWORTH	N/A
LADDER RACK 15'	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
CABLE RACK IN CEILING 20'	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
19" RACK BLACK	CHATSWORTH	55053-703
RELAY RACK 19"x84"	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
19" RACK	CHATSWORTH	55053-503
19"X7' ALUMINUM RACK	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
CABLE RACK 30'	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
STEEL RACK 7'	CHATSWORTH	N/A

Description	Manufacturer	Model #
19" RACK	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
LADDER RACK	CHATSWORTH	N/A
LADDER RACK	CHATSWORTH	N/A
7' ALUMINUM 19" RACK	CHATSWORTH	N/A
LADDER RACK	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
CABLE RACK 100FT	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
RELAY RACK	CHATSWORTH	N/A
7' RACK	CHATSWORTH	N/A
RACK STANDALONE 6'	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
12 FT LADDER RACK	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
19" RACK BLACK	CHATSWORTH	55053-703
19" RACK	CHATSWORTH	N/A
RACK STANDALONE 5'	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
7FT 19" RACK	CHATSWORTH	N/A
19" RACK 7' (ALUM)	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
RELAY RACK 19"x 84"	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
6' RACK ALUM	CHATSWORTH	N/A
RELAY RACK 19"x84"	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A

Description	Manufacturer	Model #
19" RACK	CHATSWORTH	N/A
LADDER RACK 70'	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
RACK	CHATSWORTH	N/A
7' RACK	CHATSWORTH	N/A
LADDER RACK	CHATSWORTH	N/A
LADDER RACK	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
LADDER RACK	CHATSWORTH	N/A
19" RACK	CHATSWORTH	N/A
4' LADDER RACK	CHATSWORTH	N/A
RELAY RACJ 19"x84"	CHAYSWORTH	N/A
CATALYST 2900 SERIES XL	CISCO	N/A
CATALYST 2900 SERIES XL	CISCO	N/A
SWITCH	CISCO	2950
SWITCH	CISCO	2950
2600	CISO	N/A
GSX-190 PRINTER	CITIZEN	N/A
SERVER	COMPAQ	PROLIANCE 6500
SERVER	COMPAQ	PROLIANCE 6500
SERVER	COMPAQ	PROLIANCE 6500
1600 PROLIANT SERVER	COMPAQ	N/A
COMPAQ PROLIANT SERVER - INFORTEL	COMPAQ	N/A
SERVER	COMPAQ	PROLIANCE 6500
96 POSITION LIGHT GUIDE	CORNING	CCH-04U
FIBER CONN SC/SM	CORNING	.95-200-41
96 POSITION LIGHT GUIDE	CORNING	CCH-04U
WALL MOUNTED LIGHTGUIDE	CORNING	WCH-02P
FIBER CONN SC/MM	CORNING	95-000-41
96 POSITION LIGHT GUIDE	CORNING	CCH-04U
FIBER CONN PANEL W/8 SC MM	CORNING	FDC-CP8P-39
RACK MNT LIGHT GUIDE	CORNING	CCH-01U
RACK MNT LIGHT GUIDE	CORNING	CCH-01U

Description	Manufacturer	Model #
96 POSITION LIGHT GUIDE	CORNING	CCH-04U
WALL MNT LIGHT GUIDE	CORNING	WCH-06P
WALL MOUNT	CORNING	N/A
96 POSITION LIGHT GUIDE	CORNING	CCH-04U
CLOSET CONN. HOUSING	CORNING	CCH-01U
96 POSITION LIGHT GUIDE	CORNING	FDC-CMH-096
96 POSITION LIGHT GUIDE	CORNING	CCH-04U
FIBER CONN PANEL W/6 SC SM	CORNING	CCH-CP06-38
FIBER CONN SC/SM	CORNING	95-200-41
FIBER CONN SC/MM	CORNING	95-000-41
FIBER 12 STR MM ALTOS	CORNING	012KS4-14130A20
96 POSITION LIGHT GUIDE	CORNING	FDC
FIBER CONN PANEL W/8 SC SM	CORNING	FDC-CP8P-38
FIBER CONN PANEL W/8 SC MM	CORNING	FDC-CP8P-39
96 POSITION LIGHT GUIDE	CORNING	FDC-CMH-096
WALL MOUNTED LIGHTGUIDE	CORNING	N/A
FIBER CONN PANEL W/8 SC MM	CORNING	CCH-CP08-56
12 STR (6MM/6SM) HYBRID ALTOS	CORNING	012XS4-AW173A20
FIBER CONN PANEL W/8 SC SM	CORNING	FDC-CP8P-38
FIBER CONN PANEL W/6 SC MM	CORNING	CCH-CP06-56
FIBER CONN PANEL W/8 SC SM	CORNING	CCH-CP08-38
24 POSITION LIGHT GUIDE	CORNING	CCH-02U
FIBER CONN SC/SM	CORNING	95-200-41
FIBER CONN SC/MM	CORNING	95-000-41
WALL MOUNTED LIGHTGUIDE	CORNING	WCH-02P
LIGHTGUIDE BOX	CORNING	CCH-01U
LIGHTGUIDE BOX	CORNING	WCP-04P
CONN PANEL W/8 SC	CORNING	FDC-CP8P-39
CONN PANEL W/8 SC	CORNING	FDC-CP8P-38
12 STR FIBER HYBRID	CORNING	012XS4-AW173A20
96 POSITION LIGHT GUIDE	CORNING	FDC-CMH-096
24 POSITION LIGHT GUIDE	CORNING	CCH-01U
WALL MOUNTED LIGHTGUIDE	CORNING	WCH-06P

Description	Manufacturer	Model #
24 POSITION LIGHT GUIDE	CORNING	CCH-01U
RACK MNT LIGHT GUIDE	CORNING	CCH-02U
FIBER CONN PANEL W/8 SC MM	CORNING	FDC-CP8P-39
12 STR HYBRID (6SM/6MM) ALTOS	CORNING	012XS4-AW173A2
FIBER CONN PANEL W/6 SC MM	CORNING	CCH-CP06-56
FIBER CONN SC/MM	CORNING	95-000-41
2544 Blk wall phone w/ volume cntrl	CORTELCO	2554
2544 Blk wall phone w/ volume cntrl	CORTELCO	2554
2544 Blk wall phone w/volume cntrl	CORTELCO	2554
2544 Blk wall phone w/ volume cntrl	CORTELCO	2554
2544 Blk wall phone w/ volume cntrl	CORTELCO	2554
ANALOG PHONE	CORTELCO	2554
2544 Blk wall phone w/ volume cntrl	CORTELCO	2554
ANALOG PHONE	CORTELCO	2554
2544 Blk wall phone w/ volume cntrl	CORTELCO	2554
2544 Blk wall phone w/ volume cntrl	CORTELCO	2554
ANALOG PHONE	CORTELCO	2544
19" RACK BLACK	CPI	19" RACK
REN OOB CARD	CREST	N/A
REN OOB CARD	CREST	N/A
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	CTX MONITORQ
MONITOR	CTX	VL400
MONITOR	CTX	CTX VL 400
MONITOR	CTX	VL400
MONITOR	CTX	CTX VL 400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	N/A
MONITOR	CTX	VL400
MONITOR	CTX	VL400

Description	Manufacturer	Model #
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	CTX VL 400
MONITOR	CTX	CTX
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL 400 CTX
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL 400 CTX
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL 400 CTX
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	CTX MONITOR
MONITOR	CTX	VL 400 CTX
MONITOR	CTX	VL400
MONITOR	CTX	UL400
MONITOR	CTX	N/A
MONITOR	CTX	VL400

Description	Manufacturer	Model #
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VECTRA UL8
VIDEO MONITOR	CTX	N/A
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL-400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	N/A
MONITOR	CTX	VL-400
MONITOR	CTX	VL400
MONITOR	CTX	VL 400
MONITOR	CTX	VL 400
MONITOR	CTX	VL-400
MONITOR	CTX	VL-400
MONITOR	CTX	NWPN
MONITOR	CTX	VL-400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	N/A
MONITOR	CTX	UL400
MONITOR	CTX	N/A
MONITOR	CTX	VL 400
MONITOR	CTX	VL 400
MONITOR	CTX	VL-400
MONITOR	CTX	VL-400
MONITOR	CTX	N/A

Description	Manufacturer	Model #
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	UL400
MONITOR	CTX	N/A
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	N/A
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	UL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	UL400
MONITOR	CTX	UL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400
MONITOR	CTX	VL400

NXT 5447

PSC 7110

Description	Manufacturer	Model #
POLLABLE REMOTE ACCESS UNIT	DATALINK	N/A
POLLABLE REMOTE ACCESS UNIT	DATALINK	N/A
DCC-ENS-Server	DCC	N/A
DELL KEYBOARD	DELL	N/A
OPTIPLEX GL5100 PC	DELL	N/A
RACK	DIGI	MIL-9100X
RACK	DIGI	MIL-9100X
RACK	DIGI	MIL-9100X
RACK	DIGI	MIL-9000X
10MB PLUG-IN	DIGI	MIL-140TRM
10MB PLUG-IN	DIGI	MIL-140TRM
10MB PLUG-IN	DIGI	MIL-140TRM
10MB PLUG-IN	DIGI	MIL-140TR
10MB PLUG-IN	DIGI	MIL-140TRM
10MB PLUG-IN	DIGI	MIL-140TRM
POWER SUPPLY	DIGI	MIL-9000PSAC
POWER SUPPLY	DIGI	MIL-9000PSAC
RACK	DIGI	MIL-9000X
MIL-140CRM	DIGI	N/A
100 BASE PLUG IN	DIGI	N/A
MIL - 140 10 BASE T DIGI STADALONE	DIGI	N/A
MIL - 180CRM 100Base-FX Rackmount	DIGI	N/A
MIL-180CRM 100MB PLUG IN	DIGI	N/A
MIL-180CRM 100MB PLUG IN	DIGI	N/A
MIL-180CRM 100MB PLUG IN	DIGI	N/A
MIL-140 TRM 10MB PLUG IN	DIGI	N/A
POWER SUPPLY	DIGI	MIL-9000PSAC
DIGI PC/4	DIGI	DIGI PC/4
100 BASE PLUG IN	DIGI	N/A
100MB PLUG-IN	DIGI	MIL180CRM
100MB PLUG-IN	DIGI	MIL180CRM
100MB PLUG-IN	DIGI	MIL180CRM
100MB PLUG-IN	DIGI	MIL180CRM

Description	Manufacturer	Model #
100MB PLUG-IN	DIGI	MIL180CRM
RACK	DIGI	MIL-9100X
10MB PLUG-IN	DIGI	MIL-140TR
MILAN 10&M ST CONVERTER	DIGI	N/A
10 BASE T STAND ALONG	DIGI	N/A
MIL-140 10MB STANDALONE DIGI	DIGI	N/A
MIL-140 10MB STANDALONE DIGI	DIGI	N/A
MIL-140 10MB STANDALONE DIGI	DIGI	N/A
MIL-140 10MB STANDALONE DIGI	DIGI	N/A
MIL-140 10MB STANDALONE DIGI	DIGI	N/A
TOKEN RING	DIGI	N/A
10 MEG STANDALONE	DIGI	N/A
100 BASE PLUG IN	DIGI	N/A
FIBER CONVERTER	DIGI	
100 BASE PLUG IN	DIGI	N/A
10 BASE T STAND ALONG	DIGI	N/A
RACK MOUNT CHASSIS	DIGI	N/A
POWER SUPPLY	DIGI	N/A
100 BASE PLUG IN	DIGI	N/A
100 BASE PLUG IN	DIGI	N/A
100 BASE PLUG IN	DIGI	N/A
100 BASE PLUG IN	DIGI	N/A
10MB PLUG-IN	DIGI	MIL-140TR
10 BASE T STAND ALONG	DIGI	N/A
100MB PLUG-IN	DIGI	MIL-180CRM
100MB PLUG-IN	DIGI	MIL-180CRM
100MB PLUG-IN	DIGI	MIL-180CRM
100MB PLUG-IN	DIGI	MIL-180CRM
100MB PLUG-IN	DIGI	MIL-180CRM
100MB PLUG-IN	DIGI	MIL-180CRM
100MB PLUG-IN	DIGI	MIL-180CRM
100MB PLUG-IN	DIGI	MIL-180CRM
POWER SUPPLY	DIGI	MIL-9000PSAC

Description	Manufacturer	Model #
100MB PLUG-IN	DIGI	MIL-180CRM
100MB PLUG-IN	DIGI	MIL-180CRM
100MB PLUG-IN	DIGI	MIL-180CRM
100MB PLUG-IN	DIGI	MIL-180CRM
POWER SUPPLY	DIGI	MIL-9000PSAC
POWER SUPPLY	DIGI	MIL-9000PSAC
100MB PLUG-IN	DIGI	MIL-180CRM
100MB PLUG-IN	DIGI	MIL-180CRM
POWER SUPPLY	DIGI	MIL-9000PSAC
100MB PLUG-IN	DIGI	MIL-180CRM
10MB PLUG-IN	DIGI	MIL-140TR
100 MEG PLUG IN ETHERNET TRANSCEIVER	DIGI	N/A
10MB PLUG-IN	DIGI	MIL-140TR
10MB PLUG-IN	DIGI	MIL-140TR
10MB PLUG-IN	DIGI	MIL-140TR
10MB PLUG-IN	DIGI	MIL-140TR
10MB PLUG-IN	DIGI	MIL-140TR
10MB PLUG-IN	DIGI	MIL-140TR
100MB PLUG-IN	DIGI	MIL-180CRM
10MB PLUG-IN	DIGI	MIL-140TR
100MB PLUG-IN	DIGI	MIL-180CRM
10MB PLUG-IN	DIGI	MIL-140TR
10MB PLUG-IN	DIGI	MIL-140TR
POWER SUPPLY	DIGI	MIL-9000PSAC
POWER SUPPLY	DIGI	MIL-9000PSAC
POWER SUPPLY	DIGI	MIL-9000PSAC
POWER SUPPLY	DIGI	MIL-9000PSAC
100MB PLUG-IN	DIGI	MIL-180CRM
10MB STANDALONE	DIGI	MIL-140
10MB PLUG-IN	DIGI	MIL-140TR
10MB STANDALONE	DIGI	MIL-140
STANDALONE	DIGI	MIL-140
RACK SYSTEM POWER SUPPLY	DIGI	N/A

NXT 5450

PSC 7113

Description	Manufacturer	Model #
10 MEG ETHERNET TRANSCEIVER	DIGI	MIL-410
10MB STANDALONE	DIGI	MIL-140
10MB STANDALONE	DIGI	MIL-140
100 MEG PLUG IN ETHERNET TRANSCEIVER	DIGI	MIL-140TRM
DIGI RACK POWER SUPPLY	DIGI	MIL-9000 PSAC
10 MEG PLUG IN ETHERNET TRAANSCEIVER	DIGI	MIL-140TRM
10MB STANDALONE	DIGI	MIL-140
MEDIA CONVERTER	DIGI	
10MB STANDALONE	DIGI	MIL-140
RACK SYSTEM POWER SUPPLY	DIGI	N/A
10MB STANDALONE	DIGI	MIL-140
10 MEG PLUG IN ETHERNET TRANSCEIVER	DIGI	MIL-140TRM
10 MEG PLUG IN ETHERNET TRANSCEIVER	DIGI	MIL-140TRM
10 MEG PLUG IN ETHERNET TRANCEIVER	DIGI	MIL-140TRM
10 MEG PLUG IN ETHERNET TRANSCEIVER	DIGI	MIL-140TRM
10 MEG PLUG IN ETHERNET TRANSCEIVER	DIGI	MIL-140 TRM
10MB STANDALONE	DIGI	MIL-140
10MB STANDALONE	DIGI	MIL-140
RACK MOUNT DIGI BASE UNIT	DIGI	MIL-9100X
MEDIA CONVERTER	DIGI	
RACK	DIGI	MIL-9100X
10MB STANDALONE	DIGI	MIL-140
DIGI RACK SYSTEM	DIGI	N/A
POWER SUPPLY	DIGI	MIL-9000PSAC
POWER SUPPLY	DIGI	MIL-9000PSAC
DIGI RACK POWER SUPPLY	DIGI	MIL-9000PSAC
DIGI RACK POWER SUPPLY	DIGI	MIL-9100X
DIGI RACK POWER SUPPLY	DIGI	MIL9000PSAC
10 MEG ETHERNET TRANSCEIVER	DIGI	MIL-140
DIGI RACK SYSTEM	DIGI	MIL-9100X
RACK	DIGI	MIL-9100X
10 MEG ETHERNET TRANSCEIVER	DIGI	N/A
10 MEG ETHERNET TRANSEVER	DIGI	MIL-140

NXT 5451

PSC 7114

Description	Manufacturer	Model #
RACK	DIGI	MIL-9100X
10MB STANDALONE	DIGI	MIL-140
MEDIA CONVERTER	DIGI	
10 MEG PLUG IN ETHERNET TRANSCEIVER	DIGI	MIL-140TRM
DIGI RACK POWER SUPPLY	DIGI	MIL-9000PSAC
10 MEG. PLUG-IN DIGI	DIGI	MIL-140TRM
POWER SUPPLY	DIGI	MIL-9000PSAC
POWER SUPPLY	DIGI	MIL-9000PSAC
POWER SUPPLY	DIGI	MIL-9000PSAC
10 MEG PLUG IN ETHERNET TRANSCEIVER	DIGI	MIL-140TRM
100 MEG. PLUG IN DIGI	DIGI	MIL-180CRM
10 MEG PLUG IN ETHERNET TRANSCEIVER	DIGI	MIL-140 TRM
POWER SUPPLY	DIGI	MIL-9000PSAC
10 MEG. PLUG-IN DIGI	DIGI	MIL-140TRM
100 MEG PLUG-IN DIGI	DIGI	MIL-140 TRM
100 MEG PLUG IN ETHERNET TRANSCEIVER	DIGI	MIL-180CRM
DIGI RACK POWER SUPPLY	DIGI	MIL-9100X
100 MEG PLUG IN ETHERNET TRANSCEIVER	DIGI	MIL-180CRM
10 MEG PLUG-IN DIGI	DIGI	MIL-140 TRM
DIGI RACK POWER SUPPLY	DIGI	MIL-9000PSAC
10 MEG PLUG IN ETHERNET TRANSECIEVER	DIGI	MIL-140TRM
KEYBOARD	DIGITAL	N/A
VIDEO MONITOR	DIGITAL	N/A
VIDEO MONITOR	DIGITAL	N/A
DIGITAL KEYBOARD	DIGITAL	N/A
VIDEO MONITOR	DIGITAL	N/A
LA30 COMPANION PRINTER	DIGITAL	N/A
DIGITAL VT520 TERMINAL	DIGITAL	N/A
LA30 COMPAION PRINTER	DIGITAL	N/A
KEYBOARD FOR HY TERMINAL	DIGITAL	N/A
KEYBOARD	DIGITAL	N/A
KEYBOARD	DIGITAL	N/A
10 MEG ETHERNET TRANSCEIVER	DOGO	MIL-140

Description	Manufacturer	Model #
SNIFFER	DOLCH	N/A
ASYNC/SYNC DATA BROADCAST	ECOMMS	N/A
ASYNC/SYNC DATA BROADCAST	ECOMMS	N/A
ASYNC/SYNC DATA BROADCAST	ECOMMS	N/A
T1 SNMP DSU/CSU	ENCORE	N/A
SNMP DTU/DSU	ENCORE	N/A
CBL 100 PAIR CMP	ESSEX	CBL 100 PAIR CMP
CBL 025 PAIR 24 GAUGE LEVEL3	ESSEX	CBL 25 PE39
TAPE BACK UP	EXABYTE	N/A
FIBER CONVERTOR	FIBEROPTION	341A1-R/1BX4
2-WAY AUDIO INTERFACE	FIBEROPTION	341A1-R/1BXX
FIBER CONVERTOR	FIBEROPTION	341A1-R/1BX4
2-WAY AUDIO INTERFACE	FIBEROPTION	341A1-R/1BXX
FIBER CONVERTOR	FIBEROPTION	341A1-T/1BX4
FIBER CONVERTOR	FIBEROPTION	341A1-T/1BX4
2-WAY AUDIO INTERFACE	FIBEROPTION	341A1-T/1BXX
2-WAY AUDIO INTERFACE	FIBEROPTION	341A1-T/1BXX
FIBER OPTIC DIGI	FIBEROPTION	N/A
2-WAY AUDIO INTERFACE	FIBEROPTION	341A1-T/1BXX
FIBER OPTIC DIGI	FIBEROPTION	N/A
FIBER OPTIC DIGI	FIBEROPTION	N/A
FIBER CONVERTOR	FIBEROPTION	341A1-R/1BX4
FIBER CONVERTOR	FIBEROPTION	341A1-T/1BX4
MEDIA CONVERTOR	FOCUS	065-1140
MEDIA CONVERTOR	FOCUS	065-1140
MEDIA CONVERTOR	FOCUS	065-1140
MEDIA CONVERTOR	FOCUS	065-1140
CONFERENCE CARD	FORUM	N/A
CONFERENCE CARD CAGE	FORUM	N/A
CONFERENCE CARD	FORUM	N/A
CONFERENCE CARD	FORUM	N/A
POWER SUPPLY	FORUM	N/A
COUPLER BOARD (CPL)	FORUM	N/A

Description	Manufacturer	Model #
CONFERENCE CARD	FORUM	N/A
CONFERENCE CARD	FORUM	N/A
CONFERENCE CARD	FORUM	N/A
CONFERENCE CARD	FORUM	N/A
CONFERENCE CARD	FORUM	N/A
WEATHER PROOF BOX	GAI-TRONIC	N/A
CPU GATEWAY 2000	GATEWAY	N/A
KEYBOARD GATEWAY 2000	GATEWAY	N/A
WEATHER PROOF BOX	GAYTRONICS	N/A
WEATHER PROOF BOX	GAYTRONICS	N/A
WEATHER PROOF BOX	GAYTRONICS	N/A
WEATHER PROOF BOX	GAYTRONICS	N/A
WEATHER PROOF BOX	GAYTRONICS	N/A
WEATHER PROOF BOX	GAYTRONICS	N/A
WEATHER PROOF BOX	GAYTRONICS	N/A
WEATHER PROOF BOX	GAYTRONICS	N/A
WEATHER PROOF BOX	GAYTRONICS	N/A
WEATHER PROOF BOX	GAYTRONICS	N/A
WEATHER PROOF BOX	GAYTRONICS	N/A
WEATHER PROOF BOX	GAYTRONICS	N/A
WEATHER PROOF BOX	GAYTRONICS	N/A
WEATHER PROOF BOX	GAYTRONICS	N/A
WEATHER PROOF BOX	GAYTRONICS	N/A
50A-09 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
BATTERY	GNB	N/A
BATTERY	GNB	N/A
ABSOLYTE BATTERY	GNB	N/A
ABSOLYTE BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE BATTERY	GNB	N/A
ABSOLYTE BATTERY	GNB	N/A

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PSC 7117

Description	Manufacturer	Model #
ABSOLYTE BATTERY	GNB	N/A
ABSOLYTE BATTERY	GNB	N/A
BATTERIES	GNB	N/A
50A-09 BATTERY	GNB	N/A
BATTERY	GNB	N/A
BATTERY	GNB	N/A
BATTERY	GNB	N/A
BATTERY	GNB	N/A
BATTERY RACK	GNB	N/A
50A-09 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
6 2V BATTERY PACK	GNB	N/A
6 2V BATTERY PACK	GNB	N/A
6 2V BATTERY PACK	GNB	N/A
6 2V BATTERY PACK	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
8HR 1.75 VPC BATTERY PACK	GNB	N/A
8HR 1.75 VPC BATTERY PACK	GNB	N/A
8HR 1.75 VPC BATTERY PACK	GNB	N/A
8HR 1.75 VPC BATTERY PACK	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
BATTERY	GNB	N/A
BATTERY	GNB	N/A

NXT 5455

PSC 7118

Description	Manufacturer	Model #
ABSOLYTE 100A21 BATTERY	GNB	N/A
BATTERY	GNB	N/A
BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE II BATTERY	GNB	N/A
ABSOLYTE II BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
BATTERIES	GNB	50A-50
BATTERY SOA-07 ABSOLYTE	GNB	N/A
BATTERY ABSOLYTE	GNB	N/A
BATTERY ABSOLYTE	GNB	N/A
BATTERY ABSOLYTE	GNB	N/A
BATTERY SOA-07 ABSOLYTE	GNB	N/A
6 8HR 1.75 VAP PACK	GNB	N/A
BATTERY SOA-07 ABSOLYTE	GNB	N/A
BATTERIES	GNB	50A-50
6 8HR 1.75 VAP PACK	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE II BATTERY	GNB	N/A
ABSOLYTE II BATTERY	GNB	N/A

Description	Manufacturer	Model #
ABSOLYTE BATTERY	GNB	N/A
ABSOLYTE BATTERY	GNB	N/A
BATTERY SOA-07 ABSOLYTE	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
6 PK 8HR 1.75 VPC BAT PACK	GNB	N/A
6 PK 8HR 1.75 VPC BAT PACK	GNB	N/A
6 PK 8HR 1.75 VPC BAT PACK	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
BATTERIES	GNB	6-50A05-24
BATTERIES	GNB	50A-50
BATTERIES	GNB	50A-50
6 8HR 1 75 VAP PACK	GNB	N/A
6 PK 8HR 1.75 VPC BAT PACK	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
6 8HR 1.75 VAP PACK	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
ABSOLYTE BATTERY	GNB	N/A
BATTERY ABSOLYTE	GNB	N/A
ABSOLYTE 100A21 BATTERY	GNB	N/A
BATTERIES	GNB	M81-024-09007-014
50A-09 BATTERY	GNB	N/A

Description	Manufacturer	Model #
ABSOLYTE BATTERY	GNB	N/A
ABSOLYTE BATTERY	GNB	N/A
BATTERY - NON SPILLABLE	GNB	N/A
ABSOLYTE BATTERY	GNB	N/A
ABSOLYTE BATTERY	GNB	N/A
ABSOLYTE BATTERY	GNB	N/A
ABSOLYTE BATTERY	GNB	N/A
ABSOLYTE BATTERY	GNB	N/A
FDC HOUSING 96F	GRAYBAR	CMH-096
FDC HOUSING 96F	GRAYBAR	CMH-096
FDC HOUSING 96F	GRAYBAR	CMH-096
FDC HOUSING 96F	GRAYBAR	CMH-096
CABINETS	GREAT LAKES	GL24WS
CABINETS	GREAT LAKES	GL24WS
CABINETS	GREAT LAKES	GL24WS
CABINETS	GREAT LAKES	GL24WS
CABINETS	GREAT LAKES	GL24WS
CABINETS	GREAT LAKES	GL24WS
CABINETS	GREAT LAKES	GL24WS
LADDER RACK	HAMACO	N/A
LADDER RACK	HAMACO	N/A
HOMACO FRAME	HAMACO	HAMACO
LADDER RACK	HAMACO	N/A
HAYES MODEM	HAYES	N/A
MODEM - BCN	HAYES	N/A
RELAY RACK 19"x84"	HOMACO	N/A
19" RACK	HOMACO	N/A
RELAY RACK 19"x84"	HOMACO	N/A
HOMACO FRAME	HOMACO INC.	HOMACO
HOMACO FRAME	HOMACO INC.	HOMACO
FLOOR FRAME	HOMACO INC.	50M-2700 XN
FLOOR FRAME	HOMACO INC.	50M-2700 XN
FLOOR FRAME	HOMACO INC.	50M-2700 XN

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Description	Manufacturer	Model #
FLOOR FRAME	HOMACO INC.	50M-2700 XN
50 POSITION HOMMACO RACK	HOMMACO	N/A
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA VLI8DT
CPU	HP	HP PC
26B HARD DRIVE	HP	N/A
CPU	HP	VECTRA VLI8DT
26B HARD DRIVE	HP	N/A
CPU	HP	VECTRA VLI8DT
NET SEWER LX PRO	HP	N/A
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA VLI8DT
CPU	HP	INSPN
CPU	HP	HP VECTRA
NET SERVER LH PRO FIREWELL	HP	N/A
CPU	HP	VECTRA VLI8DT
CPU	HP	HP VECTRA
CPU	HP	HP VEGTRA
CPU	HP	HP VECTRA
CPU	HP	HP VECTRA
CPU	HP	HP VECTRA
CPU	HP	HP VECTRA
CPU	HP	HP VECTRA
CPU	HP	HP VECTRA
CPU	HP	HP VECTRA
LASERJET 4	HP	N/A
CPU	HP	HP VECTRA
HP VECTRA PC	HP	HP VECTRA
CPU	HP	HP VECTRA
CPU	HP	VECTRA VLI8DT

Description	Manufacturer	Model#
HP SERVER BDC	HP	N/A
CPU	HP	HP VECTRA
CPU	HP	HP VECTRA
KEYBOARD	HP	
CPU	HP	N/A
FAX MACHINE 700	HP	N/A
N/A	HP	N/A
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA VLI8DT
CPU	HP	HP VECTRA
CPU	HP	HP VECTRA
CPU	HP	HP VECTRA
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA VLI8DT
KEYBOARD	HP	LK411-A
HP LASER JET 4L PRINTER	HP	N/A
CPU	HP	HP VECTRA
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA
CPU	HP	VECTRA VLI8DT
CPU	HP	HP VECTRA
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA VLI8DT

Description	Manufacturer	Model #
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA VLI8DT
CPU	HP	HP VECTRA
CPU	HP	HP VECTRA
CPU	HP	VECTRA
CPU	HP	VECTRA
CPU	HP	VECTRA
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA
CPU	HP	VECTRA
CPU	HP	VECTRA
CPU	HP	VECTRA
CPU	HP	VECTRA
CPU	HP	VECTRA
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA VLI8DT
CPU	HP	VECTRA VLI8DT
CPU	IBM	8305-21U
CPU	IBM	8305-21U
OCU-DP MODULE	IBM	90-1231-02
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U

Description	Manufacturer	Model#
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
MONITOR	IBM	22P7920
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
MONITOR	IBM	22P7920
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
MONITOR	IBM	22P7920
MONITOR	IBM	22P7920
CPU	IBM	8305-21U

Description	Manufacturer	Model #
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U

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Description	Manufacturer	Model #
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
MONITOR	IBM	22P7920
CPU	IBM	8305-21U
MONITOR	IBM	22P7920
MONITOR	IBM	22P7920
MONITOR	IBM	22P7920
CPU	IBM	8305-21U
MONITOR	IBM	22P7920
CPU	IBM	8305-21U
MONITOR	IBM	22P7920
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
MONITOR	IBM	22P7920
MONITOR	IBM	22P7920
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
MONITOR	IBM	22P7920
CPU	IBM	8305-21U
CPU	IBM	8305-21U

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PSC 7127

Description	Manufacturer	Model #
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
MONITOR	IBM	22P7920
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
MONITOR	IBM	22P7920
CPU	IBM	8305-21U
MONITOR	IBM	22P7920
MONITOR	IBM	22P7920
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
MONITOR	IBM	22P7920
MONITOR	IBM	6633147N
MONITOR	IBM	22P7920
MONITOR	IBM	22P7920
MONITOR	IBM	22P7920
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U
CPU	IBM	8305-21U

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PSC 7128

Description	Manufacturer	Model #
BTP	IER	512
ATB	IER	557
ATB	IER	557
BTP	IER	512
BGR	IER	627
BGR	IER	627 BGR
(3COM) NIC CARDS	IER	557
BTP	IER	512
BTP	IER	IER 512
BTP	IER	IER 512
BTP	IER	512
ATB	IER	557
ATB	IER	557 ATB
ATB	IER	557 ATB
BTP	IER	512
ATB	IER	IER 557
BTP	IER	BTP
BTP	IER	BTP
BTP	IER	512
BTP	IER	512
ATB	IER	557 ATB
BTP	IER	IER 512
ATB	IER	557
ATB	IER	557 ATB
ATB	IER	557 ATB
ATB	IER	557 ATB
ATB	IER	557 ATB
BTP	IER	512
BTP	IER	BTP 512
BTP	IER	BTP
BTP	IER	512 BTP
ATB	IER	557
BGR	IER	627 BGR

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PSC 7129

Description	Manufacturer	Model #
BTP	IER	IER 512
BTP	IER	1ER 512
BTP	IER	BTP 512
BGR	IER	627
BTP	IER	512
BTP	IER	512
ATB	IER	557 ATB
BTP	IER	512
ATB	IER	557 ATB
ATB	IER	557 ATB
ATB	IER	557 ATB
ATB	IER	557 ATB
ATB	IER	557
BGR	IER	627 BGR
ATB	IER	557
ATB	IER	557 ATB
ATB	IER	557 ATB
512 BTP	IER	512 BTP
BTP	IER	BTP
BTP	IER	512 BTP
ATB	IER	557
ATB	IER	557
BTP	IER	512
BGR	IER	627 BGR
BGR	IER	627 BGR
ATB	IER	557
BGR	IER	627 TAB
BGR	IER	627 TAB
BGR	IER	627 TAB
BGR	IER	627 TAB
BGR	IER	627 TAB
BGR	IER	627
BTP	IER	IER 512

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PSC 7130

Description	Manufacturer	Model #
BTP	IER	512
BTP	IER	BTP 512
BTP	IER	BTP
BTP	IER	512
ATB	IER	557
BTP	IER	512
BTP	IER	512
N/A	IER	557
IER 557/ATB	IER	557
IER 557/ATB	IER	557
IER 557/ATB	IER	557
IER 557/ATB	IER	557
IER 557/ATB	IER	557
ATB	IER	557
IER 557/ATB	IER	557
IER 557/ATB	IER	557
ATB	IER	557
ATB	IER	557
IER 557/ATB	IER	557
IER 557/ATB	IER	557
ATB	IER	557
ATB	IER	557
BTP	IER	512 BTP
BTP	IER	512
BGR	IER	627
IER 557/ATB	IER	557
ATB	IER	557
IER 557/ATB	IER	557
IER 557/ATB	IER	557
IER 557/ATB	IER	557
ATB	IER	557
IER 557/ATB	IER	557
IER 557/ATB	IER	557

Description	Manufacturer	Model #
BTP	IER	512
ATB	IER	557
BGR	IER	627
IER 557/ATB	IER	557
IER 557/ATB	IER	557
IER 557/ATB	IER	557
IER 557/ATB	IER	557
IER 557/ATB	IER	557
IER 557/ATB	IER	557
IER 557/ATB	IER	557
IER 557/ATB	IER	557
ATB	IER	557
BGR	IER	627
ATB	IER	557
BTP	IER	512
ATB	IER	557
ATB	IER	557
BTP	IER	512
ATB	IER	557
BTP	IER	512
ATB	IER	557
BTP	IER	557
IER 557/ATB	IER	557
ATB	IER	557
ATB	IER	557
BTP	IER	512
ATB	IER	557
BTP	IER	512
ATB	IER	557
BTP	IER	512
ATB	IER	557
BTP	IER	512
BTP	IER	512

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PSC 7132

Description	Manufacturer	Model #
BTP	IER	512
BGR	IER	627
ATB	IER	557
IER 557/ATB	IER	557
ATB	IER	557
BTP	IER	512
IER 557/ATB	IER	557
IER 557/ATB	IER	557
IER 557/ATB	IER	557
ATB	IER	557
BTP	IER	512
ATB	IER	557
BTP	IER	512
ATB2 PRINTER	IER	IER 557
BAG TAG PRINTER	IER	IER 512
BOARDING GATE READER	IER	IER 627
BGR	IER	627
ATB	IER	557
ATB	IER	557
ATB	IER	557
BTP	IER	512
BTP	IER	512
ATB	IER	557
BTP	IER	512
ATB	IER	557
BTP	IER	512
ATB	IER	557
BTP	IER	512
ATB	IER	557
ATB	IER	557
BTP	IER	512
BTP	IER	512
BTP	IER	512

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PSC 7133

Description	Manufacturer	Model #
ATB	IER	557
BTP	IER	512
ATB	IER	557
ATB	IER	557
BTP	IER	512
BTP	IER	512
ATB	IER	557
BGR	IER	627
ATB	IER	557
BTP	IER	512
BTP	IER	512
ATB	IER	557
BTP	IER	512
ATB	IER	557 ATB
ATB	IER	557
BTP	IER	512
BTP	IER	512
ATB	IER	557
BTP	IER	512
ATB	IER	557
BTP	IER	512
ATB	IER	557
ATB	IER	557
BTP	IER	512
BTP	IER	512
BTP	IER	512
BTP	IER	512
BTP	IER	512
ATB	IER	557
BTP	IER	512
ATB	IER	557
BTP	IER	512

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PSC 7134

Description	Manufacturer	Model #
IER 557/ATB	IER	557
ATB	IER	557
BTP	IER	512BTP
ATB	IER	557
ATB	IER	557
BTP	IER	512
IER 557/ATB	IER	557
IER 557/ATB	IER	557
IER 557/ATB	IER	557
BGR	IER	627
IER 557/ATB	IER	557
ATB	IER	557
BTP	IER	512
ATB	IER	557
ATB	IER	557ATB
BTP	IER	512
BTP	IER	512
ATB	IER	557
BTP	IER	512
ATB	IER	557
IER 557/ATB	IER	557
BTP	IER	512
BTP	IER	512
BGR	IER	627
ATB	IER	557
ATB	IER	557
BTP	IER	512
ATB	IER	557
BTP	IER	512
ATB	IER	557
ATB	IER	557
ATB	IER	557
ATB	IER	557

Description	Manufacturer	Model #
ATB	IER	557
BTP	IER	512
BTP	IER	512
ATB	IER	557
ATB	IER	557
BTP	IER	512
ATB	IER	557
BTP	IER	512
IER 557/ATB	IER	557
BTP	IER	512
BTP	IER	512
BASE STATION	IER	627
BTP	IER	512
BTP	IER	512
BTP	IER	512
ATB	IER	N/A
ATB	IER	557
ATB	IER	N/A
BTP	IER	N/A
BGR	IER	627
ATB	IER	557
BGR STAND	IER	
BTP	IER	512
BTP	IER	512
BTP	IER	512
BTP	IER	512
ATB	IER	557
ATB	IER	557
ATB	IER	557A
BTP	IER	512 BTP
BTP	IER	512
BTP	IER	512
BASE STATION	IER	627

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Description	Manufacturer	Model #
BTP	IER	512
ATB	IER	557
ATB	IER	557
ATB	IER	557ATB
BTP	IER	512
IER 557/ATB	IER	557
ATB	IER	557
BGR	IER	627
ATB	IER	557
BTP	IER	512
BGR	IER	627
ATB	IER	N/A
ATB	IER	N/A
BGR	IER	627
BGR STAND	IER	
BGR STAND	IER	
ATB	IER	557
BTP	IER	512
BTP	IER	512
BGR	IER	627
ATB	IER	557
BTP	IER	512
BGR	IER	627
BGR	IER	627
BTP	IER	512
BTP	IER	512
ATB	IER	557
BGR	IER	627
BTP	IER	512
BGR	IER	627
ATB	IER	557
BTP	IER	512
ATB	IER	557

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Description	Manufacturer	Model #
BGR	IER	627
BTP	IER	512 BTP
BGR	IER	627
BTP	IER	512
ATB	IER	557
BTP	IER	512 BTP
BGR	IER	627
ATB	IER	557
ATB	IER	557
ATB	IER	557
ATB	IER	557
ATB	IER	557
ATB	IER	557
ATB	IER	557
ATB	IER	557
ATB	IER	557
BGR	IER	627
ATB	IER	557
ATB	IER	557
BTP	IER	512
ATB	IER	557
BGR	IER	627
BGR	IER	627
ATB	IER	557
BGR	IER	627
BGR	IER	627
ATB	IER	557
BTP	IER	512
ATB	IER	557
ATB	IER	557
IER 557/ATB	IER	557
ATB	IER	557
IER 557/ATB	IER	557

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Description	Manufacturer	Model #
ATB	IER	557
IER 557/ATB	IER	557
BTP	IER	512
BTP	IER	512
ATB	IER	557
ATB	IER	557
ATB	IER	557
IER 557/ATB	IER	557
ATB	IER	557
BGR	IER	627
ATB	IER	557
ATB	IER	557
IER 557/ATB	IER	557
BASE STATION	IER	627
IER 557/ATB	IER	557
IER 557/ATB	IER	557
ATB	IER	557
BTP	IER	512
BTP	IER	512
BTP	IER	512
BTP	IER	512
BTP	IER	512
ATB	IER	557
BTP	IER	512
BTP	IER	512
ATB	IER	557
BTP	IER	512BTP
IER 557/ATB	IER	557
BGR BASE	IER	
BGR BASE	IER	
BTP	IER	512
BTP	IER	512

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Description	Manufacturer	Model #
BTP	IER	512
IER 557/ATB	IER	557
IER 557/ATB	IER	557
IER 557/ATB	IER	557
BTP	IER	512
BASE STATION	IER	627
BGR	IER	627
IER 557/ATB	IER	557
BGR	IER	627
ATB	IER	557
BASE STATION	IER	627
BASE STATION	IER	627
BASE STATION	IER	627
ATB	IER	557
BGR	IER	627
ATB	IER	557
BGR	IER	627
ATB	IER	557
BASE STATION	IER	627
BASE STATION	IER	627
BASE STATION	IER	627
BASE STATION	IER	627
BASE STATION	IER	627
BASE STATION	IER	627
BASE STATION	IER	627
BASE STATION	IER	627
BGR	IER	627
ATB	IER	557
BASE STATION	IER	627
ATB	IER	557
IER 557/ATB	IER	557
IER 557/ATB	IER	557

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Description	Manufacturer	Model #
BGR	IER	627
IER 557/ATB	IER	557
BGR	IER	627
ATB	IER	557
IER 557/ATB	IER	557
BGR	IER	627
ATB	IER	557
BGR	IER	627
ATB	IER	557
IER 557/ATB	IER	557
IER 557/ATB	IER	557
MODEM	INTELE	N/A
DIGITAL VOICE ANNOUNCER	INTERALIA	N/A
DIGITAL VOICE ANNOUNCER	INTERALIA	N/A
STORECASTER	INTERALIA	N/A
TELEPHONE EQUIP DIGITAL VOICE ANNOUNCER	INTERALIA	N/A
ZIP DRIVE	IOMEGA	N/A
ISORBAR SURSWE PROTECTOR	ISOBAN	N/A
DSU	KENTROX	N/A
T-SERV CARD	KENTROX	N/A
T-SMART CARD	KENTROX	N/A
DTU	KENTROX	N/A
T-1 CSO CARDS	KENTROX	N/A
T-SERV	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-1 CSO CARDS	KENTROX	N/A
T-1 CSO CARDS	KENTROX	N/A
T-1 CSO CARDS	KENTROX	N/A
T-1 CSO CARDS	KENTROX	N/A
T-1 CSO CARDS	KENTROX	N/A
T-1 CSO CARDS	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-1 CSO CARDS	KENTROX	N/A

Description	Manufacturer	Model #
T-1 CSO CARDS	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-1 CSO CARDS	KENTROX	N/A
RJ48H TO DA15 CONVERTER	KENTROX	N/A
RJ-48H TO DAIS CONVERTER	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-1 CSO CARDS	KENTROX	N/A
RJ48H TO DA15 CONVERTER	KENTROX	N/A
T-1 CSO CARDS	KENTROX	N/A
RJ48H TO DA15 CONVERTER	KENTROX	N/A
T-1 CSO CARDS	KENTROX	N/A
T-1 CSO CARDS	KENTROX	N/A
T-1 CSO CARDS	KENTROX	N/A
T-1 CSO CARDS	KENTROX	N/A
T-1 CSO CARDS	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-1 CSU CARD	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-1 CSO CARDS	KENTROX	N/A
T-1 CSO CARDS	KENTROX	N/A
T-1 CSU CARD	KENTROX	N/A
T-1 CSU CARD	KENTROX	N/A

Description	Manufacturer	Model #
RJ-48H TO DAIS CONVERTER	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-1 CSU CARD	KENTROX	N/A
T-1 CSO CARDS	KENTROX	N/A
T-1 CSU CARD	KENTROX	N/A
KENTROX CSU SHELF	KENTROX	N/A
RJ48H TO DAIS CONVERTER	KENTROX	N/A
TSMART CSU S/A	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-1 CSO CARDS	KENTROX	N/A
T-1 CSU CARD	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
T-SERV II CARD	KENTROX	N/A
MDR-2000 PBX Interface	MDR	N/A
MDR-2000 PBX Interface	MDR	N/A
SMDR4 MODULE INTERFACE UNIT	MERIDIAN	N/A
MICOM MODEM	MICOM	N/A
DCP	MICROLINE	N/A
DCP	MICROLINE	N/A
DCP	MICROLINE	N/A
DCP	MICROLINE	ML 320

Description	Manufacturer	Model #
DCP	MICROLINE	ML 320
DCP	MICROLINE	ML 320
DCP	MICROLINE	ML 320
DCP	MICROLINE	ML 320
DCP	MICROLINE	ML 320
DCP	MICROLINE	ML 320
MOUSE	MICROSOFT	N/A
UTP-FIBER CONVERTOR	MILAN	MIL-C103RM
10 MBPS MM ETHERNET TRANSCEIVER	MILAN	MIL-140T
100 MBPS MM ETHERNET TRANSCEIVER	MILAN	MIL-180C
FIBER CONVERTER	MILAN	MIL-140T
FIBER CONVERTER	MILAN	MIL-140T
2pt 100-B-TX Convertor	MILAN	
FIBER TO UTP CONVERTOR	MILAN	MIL-140T
MILAN MM 100 MBPS ETHERNET TRANSCIEVER	MILAN	MIL-180C
UTP-FIBER MEDIA CONVERTOR	MILAN	MIL-C103RM
FIBER TO UTP CONVERTER	MILAN	MIL-140T
FIBER TO UTP CONVERTER	MILAN	MIL-140T
10 MBPS MM ETHERNET TRANSCEIVER	MILAN	MIL-140T
MILAN MM 100 MBPS ETHERNET TRANSCEIVER	MILAN	MIL-180C
FIBER CONVERTER	MILAN	MIL-140TRM
FIBER/UTP CONVERTER	MILAN	MIL-140T
FIBER CONVERTER	MILAN	MIL-140T
FIBER-UTP CONVERTOR	MILAN	
RACK MOUNT MEDIA CONVERSION SYSTEM	MILAN	MIL-9100X
12pt 10/100/1000 switch	MILAN	
MEDIA CONVERTER	MILAN	MIL-2113-40
MEDIA CONVERTER	MILAN	MIL-2113-40
FIBER/UTP CONVERTER	MILAN	MIL-140T
FIBER-UTP CONVERTOR	MILAN	
FIBER-UTP CONVERTOR	MILAN	
FIBER-UTP CONVERTOR	MILAN	
SC FIBER CONVERTOR	MILAN	

Description	Manufacturer	Model #
FIBER-UTP CONVERTOR	MILAN	
FIBER-UTP CONVERTOR	MILAN	
FIBER-UTP CONVERTOR	MILAN	
FIBER-UTP CONVERTOR	MILAN	
FIBER-UTP CONVERTOR	MILAN	
FIBER-UTP CONVERTOR	MILAN	
FIBRT-UTP CONVERTOR	MILAN	
FIBER-UTP CONVERTOR	MILAN	
FIBRT-UTP CONVERTOR	MILAN	
FIBER-UTP CONVERTOR	MILAN	
FIBER-UTP CONVERTOR	MILAN	
FIBRT-UTP CONVERTOR	MILAN	
10 MEG ETHERNET TRANSCIEVER	MILAN	N/A
10 MEG ETHERNET TRANSCEIVER	MILAN	MIL-140T
MOD TAP PATCH PANEL 25 PORT	MOLEX	MOD TAP-27.6E
MOD-TAP PATCH PANEL 25 PORT	MOLEX	MOD TAP 27.6E
MOD-TAP PATCH PANEL 25 PORT	MOLEX	MOD TAP 27.6E
MOD TAP PATCH PANEL 25 PORT	MOLEX	MOD TAP 27.6E
MOD TAP PATCH PANEL 25 PORT	MOLEX	MOD TAP 27.6E
MOTORLA MODEM	MOTOROLA	N/A
MOTORLA MODEM	MOTOROLA	N/A
MODEM UDS	MOTOROLA	N/A
MODEM UDS	MOTOROLA	N/A
VIDEO MONITOR	MOTOROLA	N/A
MT2834 SERIES 33-6K MODEM	MULTI TECH	N/A
LADDER RACK	N/A	N/A
LADDER RACK	N/A	N/A
ANALOG PHONE	N/A	210
KEYBOARD	N/A	LK411-AA
MDAD DHCP SERVER	N/A	N/A
ANALOG PHONE	N/A	210
LADDER RACK	N/A	N/A
ANALOG PHONE	N/A	210

Description	Manufacturer	Model #
ANALOG PHONE	N/A	210 TRIMLINE
5625 ETHERNET HOST	N/A	N/A
N/A	N/A	N/A
5720 MCP	N/A	N/A
ONEAC	N/A	N/A
LADDER RACK	N/A	N/A
7' BLACK CABINET	N/A	N/A
ATB	N/A	557A
TERMINAL V/M KEYBOARD	N/A	N/A
UPS MODEM 876-8429	N/A	N/A
LADDER RACK	N/A	N/A
LADDER RACK	N/A	N/A
MONITOR	N/A	VT520-C6
LADDER RACK	N/A	N/A
POWER CELL	N/A	ONXBC
SQUAK BOX VOLUME CONTROL (BACK-UP)	N/A	N/A
SQUAK BOX VOLUME CONTROL (PRIMARY)	N/A	N/A
PHONE	N/A	
ANALOG PHONE	N/A	
ANALOG PHONE	N/A	N/A
DISTRIBUTED 5000 HUB	N/A	5DN003A
5720 MDA	N/A	N/A
LADDER RACK	N/A	N/A
LADDER RACK	N/A	N/A
ZOOM MODEM	N/A	N/A
NCR MONITOR	NCR	N/A
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
MONITOR	NEC	C550
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 8100

Description	Manufacturer	Model #
MONITOR	NEC	C550
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 8100
CPU	NEC	PM ENTERPRISE 8100
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 8100
MONITOR	NEC	C550
CPU	NEC	PM ENTERPRISE 5000
MONITOR	NEC	C550
MONITOR	NEC	C550
MONITOR	NEC	C550
MONITOR	NEC	C550
CPU	NEC	PM ENTERPRISE 8100
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
MONITOR	NEC	
CPU	NEC	PM ENTERPRISE 5000
DHCPSRV2	NEC	ES1200
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
MONITOR	NEC	C550
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
MONITOR	NEC	C550
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000

Description	Manufacturer	Model #
MONITOR	NEC	C550
CPU	NEC	PM ENTERPRISE 8100
CPU	NEC	PM ENTERPRISE 8100
MONITOR	NEC	C550
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
MONITOR	NEC	C550
CPU	NEC	PM ENTERPRISE 8100
MONITOR	NEC	C550
MONITOR	NEC	C550
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
MONITOR	NEC	C550
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 8100
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
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CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
MONITOR	NEC	C550

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Description	Manufacturer	Model#
MONITOR	NEC	C550
CPU	NEC	PM ENTERPRISE 5000
MONITOR	NEC	C550
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
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CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
MONITOR	NEC	C550
CPU	NEC	PM ENTERPRISE 5000
CONSOLE PC	NEC	N/A
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000

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Description	Manufacturer	Model #
CPU	NEC	PM ENTERPRISE 5000
MOUSE	NEC	N/A
MOUSE	NEC	N/A
CPU	NEC	PM ENTERPRISE 5000
KEYBOARD	NEC	N/A
CPU	NEC	PM ENTERPRISE 5000
POWERMATE PC	NEC	N/A
CPU	NEC	VECTRA VLI8DT
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
KEYBOARD	NEC	N/A
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
MONITOR	NEC	C550
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
MONITOR	NEC	C550
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
MONITOR	NEC	C550
CPU	NEC	PM ENTERPRISE 5000
MONITOR	NEC	C550
CPU	NEC	PM ENTERPRISE 5000
CPU	NEC	PM ENTERPRISE 5000
MONITOR	NEC	C550
CPU	NEC	PM ENTERPRISE 8100
MONITOR	NEC	C550
MONITOR	NEC	C550
CPU	NEC	PM ENTERPRISE 5000
MONITOR	NEC	C550

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Description	Manufacturer	Model #
MONITOR	NEC	C550
CPU	NEC	PM ENTERPRISE 5000
MODEM ROUTER	NETGEAR	
ROUTER	NETGEAR	RM356
TOKEN RING HUB	NETWORK	2715 SA
TOKEN RING HOST MODULE	NETWORK	5505P
ETHERNET	NETWORK	5308P
N/A	NETWORK	5000 CHASSIS
TOKEN RING HOST MODULE	NETWORK	5505P
ETHERNET	NETWORKS	5310SA
2703 DTU 128	NEWBRIDGE	N/A
DUAL T1 1.544-MBPS CARD	NEWBRIDGE	N/A
SINGLE SHELF REDUNDANCY	NEWBRIDGE	N/A
SYSTEM CONTROL CARD 3	NEWBRIDGE	N/A
DSP-3 CARD (2 DSP)	NEWBRIDGE	N/A
COMMON CARRIER CARD	NEWBRIDGE	N/A
SYS CONTROL CARD	NEWBRIDGE	N/A
DUAL TI CARD	NEWBRIDGE	N/A
2603 V.35-ANM 230VAC DTU	NEWBRIDGE	N/A
DC POWER SHELF (-48V)	NEWBRIDGE	N/A
GENERAL FAC CARD	NEWBRIDGE	N/A
POWER ADAPTER W/CORD	NEWBRIDGE	N/A
2601 MAINSTREET RS232 DTU	NEWBRIDGE	N/A
DUAL TI CARD	NEWBRIDGE	N/A
OCU-DP	NEWBRIDGE	N/A
2601 MAINSTREET RS232 DTU	NEWBRIDGE	N/A
2606 MS RS232 SYNC/ASYNC	NEWBRIDGE	N/A
2606 MS RS232 SYNC/ASYNC	NEWBRIDGE	N/A
2606 RS232 DTU	NEWBRIDGE	N/A
2606 RS232 DTU	NEWBRIDGE	N/A
2603 V.35-ANM DTU	NEWBRIDGE	N/A
OCU-DP	NEWBRIDGE	N/A
2701 MAINSTREET	NEWBRIDGE	N/A

Description	Manufacturer	Model #
2610 RS232/V.24 CPSS DTU	NEWBRIDGE	N/A
2603 V.35-ANM DTU	NEWBRIDGE	N/A
2603 V.35-ANM DTU	NEWBRIDGE	N/A
OCU-DP	NEWBRIDGE	N/A
2603 V.35-ANM DTU	NEWBRIDGE	N/A
3600 NEWBRIDGE NODE	NEWBRIDGE	N/A
2603 V.35-ANM DTU	NEWBRIDGE	N/A
2603 V 35-ANM DTU	NEWBRIDGE	N/A
3600 MAINSTREET	NEWBRIDGE	N/A
2701 RS232/V.24-ANM ER	NEWBRIDGE	N/A
POWER SHELF AC 120V	NEWBRIDGE	N/A
FILLER CARD BLANK	NEWBRIDGE	N/A
2BIQ	NEWBRIDGE	N/A
DUAL T-1	NEWBRIDGE	N/A
DNIC	NEWBRIDGE	N/A
2BIQ	NEWBRIDGE	N/A
DSP	NEWBRIDGE	N/A
2BIQ	NEWBRIDGE	N/A
DUAL T-1	NEWBRIDGE	N/A
DUAL T-1	NEWBRIDGE	N/A
BANDWIDTH MGR	NEWBRIDGE	N/A
2B1Q LINE CARD	NEWBRIDGE	N/A
CONTROL CARD	NEWBRIDGE	N/A
POWER ADAPTER W/CORD	NEWBRIDGE	N/A
V.35 CARD	NEWBRIDGE	N/A
CONTROL CARD	NEWBRIDGE	N/A
SSRA CARD	NEWBRIDGE	N/A
CONTROL CARD	NEWBRIDGE	N/A
GENERAL FACILITIES CARD	NEWBRIDGE	N/A
CARD CAGE	NEWBRIDGE	N/A
CONVERTER NEWBRIDGE TO BAY NETWORK	NEWBRIDGE	N/A
OCU-DP	NEWBRIDGE	N/A
OCU-DP	NEWBRIDGE	N/A

Description	Manufacturer	Model #
OCU-DP	NEWBRIDGE	N/A
SSRA CARD	NEWBRIDGE	N/A
FILLER CARD BLANK	NEWBRIDGE	N/A
2701 MAINSTREET	NEWBRIDGE	N/A
SYSTEM CONTROL CARD 3	NEWBRIDGE	N/A
SYSTEM CONTROL CARD 3	NEWBRIDGE	N/A
BANDWIDTH NGR	NEWBRIDGE	N/A
DUAL T-1	NEWBRIDGE	N/A
V 35 PATCH PANEL	NEWBRIDGE	N/A
3600 MAINSTREET	NEWBRIDGE	N/A
GENERAL FACILITIES CARD	NEWBRIDGE	N/A
CONTROL CARD	NEWBRIDGE	N/A
CONTROL CARD	NEWBRIDGE	N/A
V.35 CARD	NEWBRIDGE	N/A
FILLER CARD BLANK	NEWBRIDGE	N/A
2BIQ LINE CARD	NEWBRIDGE	N/A
2701 MAINSTREET	NEWBRIDGE	N/A
DUAL T1 CARD	NEWBRIDGE	N/A
DSP CARD	NEWBRIDGE	N/A
2BIQ LINE CARD	NEWBRIDGE	N/A
V.35	NEWBRIDGE	N/A
DSP CARD	NEWBRIDGE	N/A
BLANK SPACER	NEWBRIDGE	N/A
DUAL T-1 CARD	NEWBRIDGE	N/A
CLASS 2 POWER SUPPLY	NEWBRIDGE	N/A
CONTROL CARD	NEWBRIDGE	N/A
EXPANDER CARD	NEWBRIDGE	N/A
2BIQ	NEWBRIDGE	N/A
UCS FILLER PLATES	NEWBRIDGE	N/A
T-1 LINE MODULE	NEWBRIDGE	N/A
DTU	NEWBRIDGE	N/A
3600 MAINSTREET	NEWBRIDGE	N/A
DSP CARD	NEWBRIDGE	N/A

Description	Manufacturer	Model #
2BIQ LINE CARD	NEWBRIDGE	N/A
2701 DTU	NEWBRIDGE	DTU
DTU	NEWBRIDGE	N/A
UCS FILLER PLATES	NEWBRIDGE	N/A
CSU-2 MODULE	NEWBRIDGE	N/A
UCS FILLER PLATES	NEWBRIDGE	N/A
2BIQ LINE CARD	NEWBRIDGE	N/A
CONTROL CARD	NEWBRIDGE	N/A
CONTROL CARD	NEWBRIDGE	N/A
UCS FILLER PLATES	NEWBRIDGE	N/A
GENERAL FACILITIES CARD	NEWBRIDGE	N/A
OCU-DP CHANNEL UNIT - 2	NEWBRIDGE	N/A
UCS FILLER PLATES	NEWBRIDGE	N/A
DMM GEN 11160	NEWBRIDGE	N/A
3600 MAINSTREET	NEWBRIDGE	N/A
EXPANDER CARD	NEWBRIDGE	N/A
POWER ADAPTER W/CORD	NEWBRIDGE	N/A
POWER ADAPTER W/CORD	NEWBRIDGE	N/A
DNIC MODULE	NEWBRIDGE	N/A
DNIC MODULE	NEWBRIDGE	N/A
UCS FILLER PLATES	NEWBRIDGE	N/A
DMM GEN 145.0	NEWBRIDGE	N/A
DUAL T-1 CARD	NEWBRIDGE	N/A
DMM GEN 11160	NEWBRIDGE	N/A
MEMORY MOD GENERIC 11150	NEWBRIDGE	N/A
MEMORY MOD GENERIC 1114	NEWBRIDGE	N/A
DTU MODULE	NEWBRIDGE	N/A
8T MODULE	NEWBRIDGE	N/A
8T MODULE	NEWBRIDGE	N/A
2701 MAINSTREET MODEM	NEWBRIDGE	N/A
DNIC MODULE	NEWBRIDGE	N/A
2B1Q LINE CARD	NEWBRIDGE	N/A
CONTROL CARD	NEWBRIDGE	N/A

Description	Manufacturer	Model #
2B1Q LINE CARD	NEWBRIDGE	N/A
2B1Q LINE CARD	NEWBRIDGE	N/A
DATA TERMINATION UNIT 2073	NEWBRIDGE	N/A
DATA TERMINATION UNIT 2073	NEWBRIDGE	N/A
DATA TERMINATION UNIT 2073	NEWBRIDGE	N/A
CARD CAGE	NEWBRIDGE	N/A
2B1Q LINE CARD	NEWBRIDGE	N/A
EXPANDER CARD	NEWBRIDGE	N/A
2B1Q LINE CARD	NEWBRIDGE	N/A
DATA TERMINATION UNIT 2073	NEWBRIDGE	N/A
DATA TERMINATION UNIT 2073	NEWBRIDGE	N/A
3624 MAINSTREET	NEWBRIDGE	N/A
3624 MAINSTREET	NEWBRIDGE	N/A
DC POWER UPGRADE KIT	NEWBRIDGE	N/A
DC POWER UPGRADE KIT	NEWBRIDGE	N/A
POWER ADAPTER W/CORD	NEWBRIDGE	N/A
POWER ADAPTER W/CORD	NEWBRIDGE	N/A
POWER ADAPTER W/CORD	NEWBRIDGE	N/A
UCS FILLER PLATES	NEWBRIDGE	N/A
2B1Q CARD	NEWBRIDGE	N/A
EXPANDER CARD	NEWBRIDGE	N/A
CONTROL CARD	NEWBRIDGE	N/A
DSP CARD	NEWBRIDGE	N/A
DATA TERMINATION UNIT 2073	NEWBRIDGE	N/A
2B1Q CARD	NEWBRIDGE	N/A
E&M CARD	NEWBRIDGE	N/A
DUAL TI CARD	NEWBRIDGE	N/A
DUAL TI CARD	NEWBRIDGE	N/A
CARD CAGE	NEWBRIDGE	N/A
GENERAL FACILITIES CARD	NEWBRIDGE	N/A
3624 MAINSTREET	NEWBRIDGE	N/A
DUAL TI CARD	NEWBRIDGE	N/A
2601 2/3 MAINSTREET (MODEM)	NEWBRIDGE	N/A

Description	Manufacturer	Model #
2701 DTU	NEWBRIGE	2701
2701 DTU	NEWBRIGE	2701
OCU-DP MODULE	NORSTAR	90-1231-02
NORSTAR PLUS MODULAR KS	NORSTAR	N/A
ANALOG TERMINAL ADAPTER	NORTEL	N/A
PE POWER SUP	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
CMRC LINE	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
IPE FRAME/CARDS	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
M8X24-DS	NORTEL	N/A
DR5 CARD	NORTEL	N/A
CARD INSIDE NORSTAR	NORTEL	N/A
M0X16	NORTEL	N/A
M12X0	NORTEL	N/A
DS CARD	NORTEL	N/A
DS CARD	NORTEL	N/A
DS CARD	NORTEL	N/A
RING GEN DC	NORTEL	N/A
DS CARD	NORTEL	N/A
NORSTAR EQUIPMENT	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A

Description	Manufacturer	Model #
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
DS CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
MFA150 POWER DISTRIBUTION	NORTEL	N/A
PEDESTAL	NORTEL	N/A
SYS MONT/POWER SUPPL	NORTEL	N/A
SYS MONT	NORTEL	N/A
CMRC LINE	NORTEL	N/A
MFA 150	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
COMPANION ANTENNA	NORTEL	N/A
FIBER MULTIPLEX TERMINAL INSIDE FMT-150	NORTEL	N/A
CMRC LINE	NORTEL	N/A
FUSE PANEL FOR FMT-150	NORTEL	N/A
DC JB	NORTEL	N/A
UNIV TRUNK CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
1.5 MB DTI/PRI	NORTEL	N/A
MPR 25	NORTEL	N/A
FIBER MULTIPLEX TERMINAL	NORTEL	N/A
SYS MONT	NORTEL	N/A
FIBER MULTIPLEX TERMINAL	NORTEL	N/A

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Description	Manufacturer	Model #
SYS MONT/POWER SUPP	NORTEL	N/A
PEDESTAL	NORTEL	N/A
IPE FRAME	NORTEL	N/A
CMRC LINE	NORTEL	N/A
CMRC LINE	NORTEL	N/A
FUSE AND ALARM PANEL	NORTEL	N/A
CMRC LINE	NORTEL	N/A
FIBER MULTIPLEX TERMINAL	NORTEL	N/A
FIBER MULTIPLEX TERMINAL	NORTEL	N/A
FIBER MULTIPLEX TERMINAL	NORTEL	N/A
FIBER MULTIPLEX TERMINAL	NORTEL	N/A
CAMMS	NORTEL	N/A
UPS MPS250	NORTEL	N/A
FIBER MULTIPLEX TERMINAL	NORTEL	N/A
PE POWER SUP	NORTEL	N/A
FIBER REMOTE MULTI-IPE	NORTEL	N/A
RING GENERATOR	NORTEL	N/A
MODULAR ICS	NORTEL	N/A
M12X0	NORTEL	N/A
DS CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
DS CARD	NORTEL	N/A
DMI-F45 FMT-150	NORTEL	N/A
RING GEN DC	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
IPE FRAME/CAGE	NORTEL	N/A
PE POWER SUPPLY	NORTEL	N/A
M12X0	NORTEL	N/A
DS CARD	NORTEL	N/A
CMRC LINE	NORTEL	N/A
AUXILIARY RIGING GENERATOR	NORTEL	N/A
RAD REMOTE ACCESS DEVICE	NORTEL	N/A

Description	Manufacturer	Model #
MOX8A ANALOG STATION MODULE	NORTEL	N/A
MOX8A ANALOG STATION MODULE	NORTEL	N/A
TI CARD	NORTEL	N/A
POWER SUPPLY CARTRIDGE	NORTEL	N/A
COMPANION RPI POWER SUP	NORTEL	N/A
DCS CARD	NORTEL	N/A
COMPANION BASE STATION	NORTEL	N/A
CMRC LINE	NORTEL	N/A
CMCC CONTROLLER	NORTEL	N/A
CPU CARD	NORTEL	N/A
DC/DC POWER	NORTEL	N/A
KEY SYSTEM CAGE	NORTEL	N/A
DS CARD	NORTEL	N/A
CMRC LINE	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
CONT-4	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
RING GENERATOR	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
PE MODULE	NORTEL	N/A
PE POWER SUPPLY CARD	NORTEL	N/A
RING GEN CARD	NORTEL	N/A

Description	Manufacturer	Model #
UNIVERSAL TRUNK	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
PE MODULE	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
PE MODULE	NORTEL	N/A
PE POWER SUPPLY CARD	NORTEL	N/A
RING GEN CARD	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
CONT-2 CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A

NXT 5497

PSC 7160

Description	Manufacturer	Model #
ANALOG M/W LINE CARD	NORTEL	N/A
PE MODULE	NORTEL	N/A
PE POWER SUPPLY CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
PE MODULE	NORTEL	N/A
PE POWER SUPPLY	NORTEL	N/A
RING GENERATOR	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
VP4	NORTEL	N/A
CONT-4	NORTEL	N/A
MMP40	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
PE MODULE	NORTEL	N/A
PE POWER SUPPLY	NORTEL	N/A
RING GENERATOR	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
UTIL	NORTEL	N/A

NXT 5498

PSC 7161

Description	Manufacturer	Model #
ANALOG LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
FAN UNIT	NORTEL	N/A
MERIDIAN MAIL MODULE	NORTEL	N/A
CE POWER SUPPLY	NORTEL	N/A
CE POWER SUPPLY	NORTEL	N/A
FAN UNIT	NORTEL	N/A
VP4	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
MMP40	NORTEL	N/A
PE MODULE	NORTEL	N/A
PE POWER SUPPLY	NORTEL	N/A
MERIDIAN CCR	NORTEL	N/A
MERIDIAN MAIL MODULE	NORTEL	N/A
CE POWER SUPPLY	NORTEL	N/A
CE POWER SUPPLY	NORTEL	N/A
VP8	NORTEL	N/A
VP8	NORTEL	N/A
VP8	NORTEL	N/A
UTIL	NORTEL	N/A
MMP40	NORTEL	N/A
VP8	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
CONT-4	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A

Description	Manufacturer	Model #
ANALOG LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HF
ANALOG M/W LINE CARD	NORTEL	N/A
DMI-F45 FMT-150	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
RING GENERATOR	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
CONT-2	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
PE POWER SUPPLY	NORTEL	N/A
CE POWER SUPPLY	NORTEL	N/A
DIST PANEL	NORTEL	N/A
RECTIFIER 50 AMP	NORTEL	N/A
RECTIFIER 50 AMP	NORTEL	N/A
RECTIFIER 50 AMP	NORTEL	N/A
DIST AND CONTROL PANEL	NORTEL	N/A
MPP600	NORTEL	N/A
POWER BAR	NORTEL	N/A
DIST. PNL	NORTEL	N/A
HOLIOS RECTIFIER 50	NORTEL	N/A
HOLIOS RECTIFIER 50	NORTEL	N/A

Description	Manufacturer	Model #
PERIPHERAL/SNLG	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
CE MODULE	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
IGS	NORTEL	N/A
IGS	NORTEL	N/A
PERIPHERAL SNLG	NORTEL	N/A
PRI	NORTEL	N/A
FAN UNIT	NORTEL	N/A
PE MODULE	NORTEL	N/A
PE POWER SUPPLY	NORTEL	N/A
RING GENERATOR	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
PRI	NORTEL	N/A
PE MODULE	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
CONT-2 CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
FAN UNIT	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
PE POWER SUP CARD	NORTEL	N/A

Description	Manufacturer	Model #
RING GEN CARD	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
CONT-2 CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
DTR	NORTEL	N/A
PE MODULE	NORTEL	N/A
PE POWER SUPPLY	NORTEL	N/A
RING GEN CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A

Description	Manufacturer	Model #
DTR CARD	NORTEL	N/A
PE MODULE	NORTEL	N/A
PE POWER SUPPLY CARD	NORTEL	N/A
RING GEN CARD	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
CONT-2 CARD	NORTEL	N/A
FLTR/POWER DIST UNIT ASSY	NORTEL	N/A
RING GENERATOR	NORTEL	N/A
2B1Q LINE CARD	NORTEL	N/A
DUAL TI CARD	NORTEL	N/A
4 POSSITIONS	NORTEL	N/A
SPLICE CASE	NORTEL	N/A
88 POSSITIONS	NORTEL	N/A
96 POSSITIONS	NORTEL	N/A
96 POSSITIONS	NORTEL	N/A
96 POSSITIONS	NORTEL	N/A
88 POSSITIONS	NORTEL	N/A
96 POSSITIONS	NORTEL	N/A
DSP CARD	NORTEL	N/A
SYS MON	NORTEL	N/A
DUAL TI CARD	NORTEL	N/A
DTR	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CORD	NORTEL	N/A

Description	Manufacturer	Model #
DIGITAL LINE CORD	NORTEL	N/A
RING BEN	NORTEL	N/A
SYS MON/ POWER SUPPLY CHASSIS ASSY	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
BLOWER	NORTEL	N/A
PEDESTAL	NORTEL	N/A
ONEAC	NORTEL	N/A
LADDER RACK 9'	NORTEL	N/A
DMI-F45	NORTEL	N/A
DMI-F45	NORTEL	N/A
FMT 45C	NORTEL	N/A
IPE CAGE	NORTEL	N/A
NEW BRIDGE CAGE	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
2B1Q LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
RECTIFIER	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
RING BEN	NORTEL	N/A
PE POWER SUP	NORTEL	N/A
24 POSSITIONS AT&T LIGHT GUIDE	NORTEL	N/A
18 POSSITION LIGHT GUIDE	NORTEL	N/A
GENERAL FACILITIES CARD	NORTEL	N/A
CONTROL CARD	NORTEL	N/A
CONTROL CARD	NORTEL	N/A
2B1Q LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
MPR 25	NORTEL	N/A

Description	Manufacturer	Model#
MPR 25	NORTEL	N/A
MFA150	NORTEL	N/A
IPE PEDESTAL	NORTEL	N/A
SYS MONT POWER SUPPLY	NORTEL	N/A
SYS MONITOR	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
PE POWER SUPPLY	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
RING GENERATOR	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
RING GEN DC	NORTEL	N/A
PE POWER SUPPLY	NORTEL	N/A
IPE FRAM CAGE	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
SYS MON/POWER SUPPLY	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
MFA 150	NORTEL	N/A
SPLICE CASE	NORTEL	N/A
AT&T 57 POSITIONS	NORTEL	N/A
48 LIGHT GUIDE	NORTEL	N/A
96 POSITION LIGHT GUIDE	NORTEL	N/A

Description	Manufacturer	Model #
24 POSITION LIGHT GUIDE	NORTEL	N/A
96 POSITION LIGHT GUIDE	NORTEL	N/A
144 LIGHT GUIDE	NORTEL	N/A
108 LIGHT GUIDE	NORTEL	N/A
RECTIFIER	NORTEL	N/A
RECTIFIER	NORTEL	N/A
PE POWER SUPPLY	NORTEL	N/A
CAGE	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
PEDESTAL	NORTEL	N/A
SYS MON	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
DTR	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
RECTIFIER	NORTEL	N/A
MFA 150	NORTEL	N/A
CE MODULE	NORTEL	N/A
POWER SUP DC	NORTEL	N/A
PRI CARD	NORTEL	N/A
PRI CARD	NORTEL	N/A
PRI CARD	NORTEL	N/A
PRI CARD	NORTEL	N/A
CE MODULE	NORTEL	N/A
CC POWER SUPPLY CARD	NORTEL	N/A
IGS CARD	NORTEL	N/A
IGS CARD	NORTEL	N/A
PERIPHERAL SNLG CARD	NORTEL	N/A

Description	Manufacturer	Model #
PRI CARD	NORTEL	N/A
PRI CARD	NORTEL	N/A
FAN UNIT	NORTEL	N/A
PRI CARD	NORTEL	N/A
CE POWER SUPPLY CARD	NORTEL	N/A
IGS CARD	NORTEL	N/A
IGS CARD	NORTEL	N/A
PERIPHERAL SNLG CARD	NORTEL	N/A
PRI CARD	NORTEL	N/A
CORE MODULE	NORTEL	N/A
CE POWER SUPPLY CARD	NORTEL	N/A
CNI CARD	NORTEL	N/A
CNI CARD	NORTEL	N/A
CNI CARD	NORTEL	N/A
CBT CARD	NORTEL	N/A
INTER GROUP SHELF	NORTEL	N/A
ODU/C CARD	NORTEL	N/A
CE POWER SUPPLY CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
CONT-4	NORTEL	N/A
OPS ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
PRI CARD	NORTEL	N/A
CE MODULE	NORTEL	N/A
IGS CARD	NORTEL	N/A
IGS CARD	NORTEL	N/A

Description	Manufacturer	Model #
IGS CARD	NORTEL	N/A
PERIPHERAL/SNLG CARD	NORTEL	N/A
FAN UNIT	NORTEL	N/A
CE MODULE	NORTEL	N/A
CE POWER SUPPLY CARD	NORTEL	N/A
IGS CARD	NORTEL	N/A
IGS CARD	NORTEL	N/A
PERIPHERAL SNLG CARD	NORTEL	N/A
PRI CARD	NORTEL	N/A
CE MODULE	NORTEL	N/A
CE POWER SUPPLY	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
RING GENERATOR	NORTEL	N/A
POWER SUP DC	NORTEL	N/A
CE MODULE	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A

Description	Manufacturer	Model #
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
CNI CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
IGS CARD	NORTEL	N/A
PERIPHERAL. SNLG CARD	NORTEL	N/A
CE POWER SUPPLY CARD	NORTEL	N/A
CE MODULE (SHELF)	NORTEL	N/A
IGS CARD	NORTEL	N/A
IGS CARD	NORTEL	N/A
PERIPHERAL. SNLG CARD	NORTEL	N/A
SDI CARD	NORTEL	N/A
PRI CARD	NORTEL	N/A
FAN UNIT	NORTEL	N/A
COMMON EQUIP. CORE MODULE	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
CNI CARD	NORTEL	N/A
DTR	NORTEL	N/A
CNI CARD	NORTEL	N/A
CBT CARD	NORTEL	N/A
IODU/C	NORTEL	N/A
M2616 DISPLAY	NORTEL	M2616
FUSE AND ALARM PANEL RACK	NORTEL	N/A
RING GENERATOR	NORTEL	N/A
POWER SUP	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A

Description	Manufacturer	Model #
ANALOG LINE CARD	NORTEL	N/A
CE POWER SUPPLY	NORTEL	N/A
CE POWER SUPPLY	NORTEL	N/A
M7310	NORTEL	M7310
IGS	NORTEL	N/A
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
BASE STATION	NORTEL	BASE STATION
M2008 HANDSFREE DISPLAY	NORTEL	M2008
CMMCC CONTROLLER	NORTEL	CMCC
M2008 HANDSFREE DISPLAY	NORTEL	M2008
POWER CONVERTER	NORTEL	POWER CONV.
POWER CONVERTER	NORTEL	POWER CONV.
M2008 DISPLAY	NORTEL	M2008
M2616 DISPLAY	NORTEL	M2616
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HFD
M2616 DISPLAY	NORTEL	M2616 DISPLAY
MESSAGE WATING	NORTEL	MENSSAGE W.
MESSAGE WATING	NORTEL	MENSSAGE W.
UNIVERSAL TRK CARD	NORTEL	UNIV TRK
DIGITAL LINE CARD	NORTEL	DIGITAL LINE CARD
DIGITAL LINE CARD	NORTEL	DIGITAL LINE CARD
DIGITAL LINE CARD	NORTEL	DIGITAL LINE CARD
BASE STATION	NORTEL	BASE STATION
M2008 HANDSFREE BASIC	NORTEL	M2008
M2616 DISPLAY	NORTEL	M2616

Description	Manufacturer	Model #
SENSAPHONE 6500	NORTEL	SENSAPHONE
M2616 DISPLAY	NORTEL	M2616
M2008 BASIC	NORTEL	M2008
M7324	NORTEL	M7324
M2616 BASIC	NORTEL	M2616 BASIC
M2616 BASIC	NORTEL	M2616 BASIC
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2008 BASIC	NORTEL	M2008 BASIC
M7324	NORTEL	M7324 ASH
M2008 DISPLAY	NORTEL	M2008
M2008 HANDSFREE BASIC	NORTEL	M2008
MPR25 ENH.EXT	NORTEL	A0408648
M2008 HANDSFREE BASIC	NORTEL	M2008
M2008 BASIC	NORTEL	M2008
M2008 BASIC	NORTEL	M2008 BASIC
5625 HD CARD	NORTEL	5625
M2008 HANDSFREE BASIC	NORTEL	M2008
M2008 HANDSFREE BASIC	NORTEL	M2008 HF
BAYSTACK 450-12 PORT	NORTEL	BAYSTACK 450
BAYSTACK 450-12 PORT	NORTEL	BAYSTACK 450
BAYSTACK 450-12 PORT	NORTEL	BAYSTACK 450
BAYSTACK 450-12 PORT	NORTEL	BAYSTACK 450
BAYSTACK 450	NORTEL	BAYSTACK 450
BAYSTACK 450--24 PORT	NORTEL	BAYSTACK 450
M2008 HANDSFREE BASIC	NORTEL	M2008
MFA-150 POWER SUPPLY	NORTEL	N/A
M2008 HANDSFREE BASIC	NORTEL	M2008
M2616 BASIC	NORTEL	M2616 BASIC
UNIVERSAL TRUNK CARD	NORTEL	N/A
UNIVERSAL TRUNK CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A

Description	Manufacturer	Model #
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
UNIVERSAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DTI/PRI 1.5 MB CARD	NORTEL	N/A
MPR25	NORTEL	A0408648
PBX OPT-11 MODULE	NORTEL	N/A
M2008 BASIC	NORTEL	M2008 BASIC
M8X24D-S NORSTAR KSU	NORTEL	N/A
DR-5 MEMORY CARD	NORTEL	N/A
M8X24D-S NORSTAR KSU	NORTEL	N/A
DS-MEMORY CARD	NORTEL	N/A
M8X24D-S NORSTAR KSU	NORTEL	N/A
DS-MEMORY CARD	NORTEL	N/A
IGS	NORTEL	N/A
IGS	NORTEL	N/A
PERIPHERAL SNLG	NORTEL	N/A
PRI	NORTEL	N/A
CE MODULE	NORTEL	N/A
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HF
DC/DC POWER SUPPLY	NORTEL	N/A
M2616 BASIC	NORTEL	M2616 BASIC
DIGITAL LINE CARD	NORTEL	DIGITAL
POWER SYS. MFA/50	NORTEL	B0233358
BASIC CABINET KIT	NORTEL	A0406204
DC POWER	NORTEL	3M25
BATTERY BACKUP	NORTEL	A0618157
BAYSTACK 450-24 PORT	NORTEL	BAYSTACK 450
BAYSTACK 450-24 PORT	NORTEL	BAYSTACK 450
M2616 DISPLAY	NORTEL	M2616 DISP ASH
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HF/DISP
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HF/DISP
M2008 HANDSFREE	NORTEL	M2008 HF

Description	Manufacturer	Model #
M7310	NORTEL	M7310
M2616 DISPLAY	NORTEL	M2616 DISPLAY
M2616 DISPLAY	NORTEL	M2616 DISP
M2008 BASIC	NORTEL	M2008
M2616 DISPLAY	NORTEL	M2616 DISP
M2616 DISPLAY	NORTEL	M2616 DISP
M2616 DISPLAY	NORTEL	M2616 DISP
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HFD
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HFD
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HF/DISP
M2616 BASIC	NORTEL	M2616 BASIC
M2616 BASIC	NORTEL	M2616 BASIC
MPR25	NORTEL	A04008648
M2616 DISPLAY	NORTEL	M2616D
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE BASIC	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
450-12T	NORTEL	450-12T
M2008 HANDSFREE DISPLAY	NORTEL	M2008
I/O DISK W/CD	NORTEL	I/O DISK
M2008 HANDSFREE DISPLAY	NORTEL	M2008

Description	Manufacturer	Model #
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
ANALOG MWLC	NORTEL	N/A
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HF
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HF
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HF
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HF
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HF
M2008 BASIC	NORTEL	M2616 BASIC ASH
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HF
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HF
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HF
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HF
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HF
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HF
CORE NTWRK INTFC	NORTEL	CORE NTWRK
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HF
I/O DISK W/CD	NORTEL	I/O DISK
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HF
BAYSTACK 450-24 PORT	NORTEL	450
BAYSTACK 450-24 PORT	NORTEL	450
M2008 BASIC	NORTEL	M2008
M2008 BASIC	NORTEL	M2008

Description	Manufacturer	Model #
M2008 BASIC	NORTEL	M2008
M2008 BASIC	NORTEL	M2008
M2008 BASIC	NORTEL	M2008
M2008 BASIC	NORTEL	M2008
I/O DISK W/CD	NORTEL	I/O DISK
I/O DISK W/CD	NORTEL	I/O DISK
M2008 BASIC	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HF
M2616 DISPLAY	NORTEL	M2616
M7310	NORTEL	M7310
M3904 REL-1 PROFS.	NORTEL	M3904
M3904 REL-1 PROFS.	NORTEL	M3904
M3904 REL-1 PROFS.	NORTEL	M3904
M3904 REL-1 PROFS.	NORTEL	M3904
M2616 DISPLAY	NORTEL	M2616
M7310	NORTEL	M7310
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HF/DISP
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616 DISP
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M7310	NORTEL	M7310
M2616 DISPLAY	NORTEL	M2616
M7310 FEATURE ASH	NORTEL	M7310
M7310 FEATURE ASH	NORTEL	M7310
M7310 FEATURE ASH	NORTEL	M7310
M7310 FEATURE ASH	NORTEL	M7310

Description	Manufacturer	Model #
M7310 FEATURE ASH	NORTEL	M7310
IGS	NORTEL	N/A
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 BASIC	NORTEL	M2616
BAYSTACK 450	NORTEL	450
BAY CASCADE	NORTEL	BAY CASCADE
I/OUDC	NORTEL	I/OUDC
I/OUDC	NORTEL	I/O RLS 8
M2616 DISPLAY	NORTEL	M2616
M2008 HANDSFREE BASIC	NORTEL	M2008 HF
COMPANION REMOTE	NORTEL	COMPANION INTERF.
COMPANION REMOTE	NORTEL	COMPANION INTERF
COMPANION REMOTE	NORTEL	COMPANION INTERF.
POLYCOM PHONE	NORTEL	POLY COM
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616 DISP
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616 DISP
M2616 DISPLAY	NORTEL	M2616 DISP
N2616 DISP ASH	NORTEL	M2616 DISP
M2616 DISPLAY	NORTEL	M2616 DISP
M2616 DISPLAY	NORTEL	M2616 DISP
M2616 DISPLAY	NORTEL	M2616 DISP
M7310	NORTEL	M7310
M7310	NORTEL	M7310
M7310	NORTEL	M7310
M2616 DISPLAY	NORTEL	M2616 DISP
M2616 DISPLAY	NORTEL	M2616 DISP
M2616 DISPLAY	NORTEL	M2616 DISP
DIGITAL LINE CARD	NORTEL	DIGITAL LINE CARD
M2616 DISPLAY	NORTEL	M2616
M2008 BASIC/ASH	NORTEL	NT9K08AA35

Description	Manufacturer	Model #
CE POWER SUPPLY	NORTEL	N/A
M2008 DISPLAY	NORTEL	NT9K08AC35
M2008 DISPLAY	NORTEL	NT9K08AC35
M2008 DISPLAY	NORTEL	NT9K08AC35
M2616 BASIC	NORTEL	NTZK16AA35
M2008 BASIC/ASH	NORTEL	NT9K08AA35
M2008 BASIC/ASH	NORTEL	NT9K08AA35
M2008 DISP/HF/ASH	NORTEL	NT9K08AD35
ANALOG LINE CARD	NORTEL	NT8D09BA
M2616 DISPLAY	NORTEL	NT9K16AC35
M2616 DISPLAY	NORTEL	NT9K16AC35
M2008 DISPLAY	NORTEL	NT9K08AC35
M2008 BASIC/ASH	NORTEL	NT9K08AA35
M2008 DISPLAY	NORTEL	NT9K08AC35
M2616 DISPLAY	NORTEL	NT9K16AC35
M2616 DISPLAY	NORTEL	NT9K16AC35
M2616 DISPLAY	NORTEL	NT9K16AC35
M2616 DISPLAY	NORTEL	NT9K16AC35
M2616 DISPLAY	NORTEL	NT9K16AC35
M2616 DISPLAY	NORTEL	NT9K16AC35
M2008 DISP/HF/ASH	NORTEL	NT9K08AD35
M2008 DISP/HF/ASH	NORTEL	NT9K08AD35
M2008 DISP/HF/ASH	NORTEL	NT9K08AD35
M2008 DISP/HF/ASH	NORTEL	NT9K08AD35
M2008 DISP/HF/ASH	NORTEL	NT9K08AD35
M2008 HF/ASH	NORTEL	NT9K08AB35
M2616 DISPLAY	NORTEL	NT9K16AC35
M2008 BASIC/ASH	NORTEL	NT9K08AB35
M3903 CHAR	NORTEL	NTMN33GA70
M3903 CHAR	NORTEL	NTMN33GA70
M3903 CHAR	NORTEL	NTMN33GA70
M3903 CHAR	NORTEL	NTMN33GA70
M3903 CHAR	NORTEL	NTMN33GA70

Description	Manufacturer	Model #
M3903 CHAR	NORTEL	NTMN33GA70
M3904	NORTEL	NTMN34GA70
M3904 PROF	NORTEL	NTMN34GA70
M3904	NORTEL	NTMN34GA70
M2616 DISPLAY	NORTEL	NT9K16AC35
M2616 DISPLAY	NORTEL	NTZK16XE35
M2008 DISPLAY	NORTEL	NT9K08AC35
M2008 BASIC/ASH	NORTEL	NT9K08AB35
M2616 DISPLAY	NORTEL	NT9K16AC35
M2008 DISPLAY	NORTEL	NT9K08AC35
M2008 DISPLAY	NORTEL	NT9K08AC35
M2616 DISPLAY	NORTEL	NT9K16AC35
M2616 DISPLAY	NORTEL	NT9K16AC35
M2616 DISPLAY	NORTEL	NT9K16AC35
M2616 DISPLAY	NORTEL	NT9K16AC35
M2616 DISPLAY	NORTEL	NT9K16AC35
M2616 DISPLAY	NORTEL	NT9K16AC35
M2008 DISPLAY	NORTEL	NT9K08AC35
M2008 DISPLAY	NORTEL	NT9K08AC35
M2008 DISPLAY	NORTEL	NT9K08AC35
M2008 DISPLAY	NORTEL	NT9K08AC35
M2008 DISP/HF/ASH	NORTEL	NT9K08AD35
DIGITAL PHONE	NORTEL	NT9K08AB35
M2616 DISPLAY	NORTEL	NT9K16AC35
ANALOG LINE CARD	NORTEL	NT8D09BA
DIGITAL PHONE	NORTEL	NT9K06AC35
DIGITAL PHONE	NORTEL	NT9K16AC35
DIGITAL PHONE	NORTEL	NT9K08AB35
DIGITAL PHONE	NORTEL	NT9K08AB35
DIGITAL PHONE	NORTEL	NT9K08AB35
DIGITAL PHONE	NORTEL	NT9K08AB35
DIGITAL PHONE	NORTEL	NT9K08AB35
DIGITAL PHONE	NORTEL	NT9K08AB35

Description	Manufacturer	Model #
DIGITAL PHONE	NORTEL	NT9K08AB35
M2616 DISPLAY	NORTEL	NT9K16AC03
DIGITAL PHONE	NORTEL	NT9K08AB35
2PT 100-BASE-TX MDA	NORTEL	AL2033002
DIGITAL PHONE	NORTEL	NT9K08AD35
DIGITAL PHONE	NORTEL	NT9K08AD35
DIGITAL PHONE	NORTEL	NT9K08AD35
DIGITAL PHONE	NORTEL	NT9K08AD35
DIGITAL PHONE	NORTEL	NT9K08AD35
DIGITAL PHONE	NORTEL	NT9K08AC35
DIGITAL PHONE	NORTEL	NT9K08AC35
MFA-150 POWER RECTIFIER	NORTEL	AS1200D
FIBER SUPER LOOP	NORTEL	NT1P61CA
FIBER REMOTE WALL UNIT	NORTEL	AS1090D
MPR25	NORTEL	NT5C06CC
DIGITAL LINE CARD	NORTEL	NT8D02GA
DIGITAL PHONE	NORTEL	NT9K08AB35
DIGITAL LINE CARD	NORTEL	NT8D02GA
M3903 CHAR	NORTEL	NTMN33GA70
M2616 DISPLAY	NORTEL	NT9K16AC35
CONTROLLER-4	NORTEL	NT8D01BC
DIGITAL LINE CARD	NORTEL	NT8D02GA
DIGITAL LINE CARD	NORTEL	NT8D02GA
DIGITAL LINE CARD	NORTEL	NT8D02GA
DIGITAL LINE CARD	NORTEL	NT8D02GA
DIGITAL LINE CARD	NORTEL	NT8D02GA
DIGITAL LINE CARD	NORTEL	NT8D02GA
DIGITAL LINE CARD	NORTEL	NT8D02GA
DIGITAL LINE CARD	NORTEL	NT8D02GA
M2008 HANDSFREE DISPLAY	NORTEL	NT9K08AC35
DIGITAL LINE CARD	NORTEL	NT8D02GA
M2008 BASIC/ASH	NORTEL	NT9K08AA35

Description	Manufacturer	Model #
M2616 DISPLAY	NORTEL	NT9K16AC35
OCU-DP MODULE	NORTEL	90-1231-02
OCU-DP MODULE	NORTEL	90-1231-02
OCU-DP MODULE	NORTEL	90-1231-02
OCU-DP MODULE	NORTEL	90-1231-02
OCU-DP MODULE	NORTEL	90-1231-02
COMMON CARRIER CARD	NORTEL	90-1234-01
COMMON CARRIER CARD	NORTEL	90-1234-01
OCU-DP MODULE	NORTEL	90-1231-02
OCU-DP MODULE	NORTEL	90-1231-02
2PT 100-BASE-TX MDA	NORTEL	AL2033002
M2616 DISPLAY	NORTEL	NT9K16AC35
DIGITAL LINE CARD	NORTEL	NT8D02GA
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616 DISP/ASH
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2008 BASIC	NORTEL	M2008
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
ANALOG LINE CARD	NORTEL	ANALOG
ANALOG LINE CARD	NORTEL	ANALOG
M2008 HANDSFREE BASIC	NORTEL	M2008
M2216 ACD	NORTEL	M2216
M2008 BASIC	NORTEL	M2008 BLK/BASIC
M2616 DISPLAY	NORTEL	M2616 BLK
M2616 DISPLAY	NORTEL	M2616
UNIVERSAL T/CARD	NORTEL	TRUNC/CARD
M2616 DISPLAY	NORTEL	M2616
M2616 BASIC	NORTEL	M2616
M2008 BASIC	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 BASIC	NORTEL	M2008

Description	Manufacturer	Model #
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2008 DISPLAY	NORTEL	M2008 DISP/BLK
M7310	NORTEL	M7310
M2616 BASIC	NORTEL	M2616 BASIC
M2616 DISPLAY	NORTEL	M2616 BLK
M3903 CHAR	NORTEL	NTMN33GA70
M2616 DISPLAY	NORTEL	M2616
M2008 BASIC	NORTEL	M2008
M2009	NORTEL	M2009
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2006 ASH	NORTEL	M2006
BAYSTACK 400-ST1 MDA	NORTEL	BAYSTACK 400
BAYSTACK 400-ST1 MDA	NORTEL	BAYSTACK 400
M2616 DISPLAY	NORTEL	M2616
M2008 HANDSFREE BASIC	NORTEL	M2008 HF
M2616 DISPLAY	NORTEL	M2616
M2008 HANDSFREE BASIC	NORTEL	M2008
M2008 HANDSFREE BASIC	NORTEL	M2008
M2616 DISPLAY	NORTEL	M2616
M2008 BASIC	NORTEL	M2008
M2008 BASIC	NORTEL	M2008
UNIVERSAL T/CARD	NORTEL	TRUNC/CARD
M2008 BASIC	NORTEL	M2008
M2008 HANDSFREE BASIC	NORTEL	M2008 HF
M2008 HANDSFREE BASIC	NORTEL	M2008 HF
M2008 HANDSFREE BASIC	NORTEL	M2008 HF
M2008 HANDSFREE BASIC	NORTEL	M2008 HF
M2008 HANDSFREE BASIC	NORTEL	M2008 HF
M2008 HANDSFREE BASIC	NORTEL	M2008 HF
M2008 HANDSFREE BASIC	NORTEL	M2008 HF
M2008 HANDSFREE BASIC	NORTEL	M2008 HF

Description	Manufacturer	Model #
BAYSTACK 450-24 PORT	NORTEL	450
BAYSTACK 400-ST1	NORTEL	400-ST1
M2616 BASIC	NORTEL	M2616 ASH
M2009	NORTEL	M2009
POWER SUPPLY BOARD	NORTEL	NT2K10WD
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
AL 2033002	NORTEL	400 MDA
M2008 BASIC	NORTEL	NT9K08AA35
M2008 BASIC	NORTEL	NT9K08AA35
M2008 BASIC	NORTEL	NT9K08AA35
BAYSTACK 450-24 PORT	NORTEL	AL2012E14
M3904	NORTEL	NTMN34GA70
M2008 HF/ASH	NORTEL	NT9K08AB35
M2008 BASIC/ASH	NORTEL	NT9K08AA35
RPSU	NORTEL	AA0005E05
M2616 DISPLAY	NORTEL	M2616 BLK
EXTERNAL ALERTER BOARD	NORTEL	NT2K40WA
M2008 HANDSFREE BASIC	NORTEL	M2008
TRANSFORMER	NORTEL	A0367335
BAYSTACK 450-24 PORT	NORTEL	AL2012E14
M2008 BASIC/ASH	NORTEL	NT9K08AA35
M2008 BASIC/ASH	NORTEL	NT9K08AA35
DIGITAL LINE CARD	NORTEL	NT8D02GA
M3903 CHAR	NORTEL	NTMN33GA70
M3903 CHAR	NORTEL	NTMN33GA70
M3903 CHAR	NORTEL	NTMN33GA70
M3903 CHAR	NORTEL	NTMN33GA70
M3903 CHAR	NORTEL	NTMN33GA70
M3903 CHAR	NORTEL	NTMN33GA70
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HF
RPSU	NORTEL	AA0005E05
M2616 DISPLAY	NORTEL	M2616 BLK

Description	Manufacturer	Model #
M2616 DISPLAY	NORTEL	M2616 BLK
M2616 DISPLAY	NORTEL	M2616 BLK
M2616 DISPLAY	NORTEL	M2616 BLK
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HF
M2616 DISPLAY	NORTEL	M2616 DISP
M2616 DISPLAY	NORTEL	M2616 DISP
M2008 HANDSFREE DISPLAY	NORTEL	M2008 ASH
M2008 HANDSFREE	NORTEL	M2008 ASH
M2616 DISPLAY	NORTEL	M2616 BLK
M2616 DISPLAY	NORTEL	M2616 BLK
M2616 DISPLAY	NORTEL	M2616 BLK
M2616 DISPLAY	NORTEL	M2616 BLK
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616 BLK
M2008 HANDSFREE BASIC	NORTEL	M2008
M2616 DISPLAY	NORTEL	M2616 BLK
M2616 BASIC	NORTEL	M2616
M2616 BASIC	NORTEL	M2616
M2616 BASIC	NORTEL	M2616
M2616 BASIC	NORTEL	2616 BASIC
M2616 BASIC	NORTEL	M2616
M2616 BASIC	NORTEL	M2616 BASIC
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M7310	NORTEL	M7310
M2008 HANDSFREE BASIC	NORTEL	M2008
M3903 CHAR	NORTEL	NTMN33GA70
M2616 DISPLAY	NORTEL	M2616 DISP BLK
M2008 BASIC	NORTEL	M2008
DIGITAL LINE CARD	NORTEL	N/A
M2008 HANDSFREE BASIC	NORTEL	M2008 HF
M2008 HANDSFREE BASIC	NORTEL	M2008
M2008 BASIC	NORTEL	M2008 BASIC

Description	Manufacturer	Model #
M2616 BLACK W/DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2008 DISPLAY	NORTEL	M2008
M2616 DISPLAY	NORTEL	M2616
M2008 HANDSFREE BASIC	NORTEL	M2008
M2616 DISPLAY	NORTEL	M2616
M2008 HANDSFREE BASIC	NORTEL	M2008
M2616 DISPLAY	NORTEL	M2616
M2008 HANDSFREE BASIC	NORTEL	M2008 HF
M2616 DISPLAY	NORTEL	M2616
M2008 BASIC	NORTEL	M2008
M2008 BASIC	NORTEL	M20088 BASIC
M2008 BASIC	NORTEL	M2008 BASIC
M2008 BASIC	NORTEL	M2008 BASIC
M2008 BASIC	NORTEL	M2008 BASIC
M2008 BASIC	NORTEL	M2008 BASIC
M2008 BASIC	NORTEL	M2008 BASIC
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HF
M7310 FEATURE	NORTEL	M7310
M2616 DISPLAY	NORTEL	M2616 DISPLAY
M7310 FEATURE	NORTEL	M7310 BLACK
M2616 DISPLAY	NORTEL	M2616
PEDESTAL	NORTEL	N/A
PEDESTAL	NORTEL	N/A
BLOWER	NORTEL	N/A
MPR 25 MODULAR POWER SHELF	NORTEL	N/A
MFA 150	NORTEL	N/A
MFA 150 RACK	NORTEL	N/A
FMT 150B	NORTEL	N/A
FUSE AND ALARM PANEL	NORTEL	N/A
FIBER REMOTE INTERFACE	NORTEL	N/A
FIBER REMOTE INTERFACE	NORTEL	N/A

Description	Manufacturer	Model #
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
M2008 HANDSFREE BASIC	NORTEL	M2008
BLOWER	NORTEL	N/A
M2008 BASIC	NORTEL	M2008 BASIC
BLOWER	NORTEL	N/A
M2006 DIGITAL	NORTEL	M2006
POWER SUPPLY INTERFACE	NORTEL	POWER SUPPLY
COMPANION REMOTE POWER INTERFACE	NORTEL	REMOTE INTERF.
DIGITAL PHONE	NORTEL	M2008
DIGITAL LINE CARD	NORTEL	DIGITAL LINE CARD
M2008 BASIC	NORTEL	M2008
M2008 BASIC	NORTEL	M2008
M2008 BASIC	NORTEL	M2008
M2008	NORTEL	M2008
M2008 HANDSFREE BASIC	NORTEL	M2008 HF
M2008 BASIC	NORTEL	M2008
PEDESTAL	NORTEL	N/A
PERIPHERALERAL CONTROLLER	NORTEL	N/A
IODU/C	NORTEL	N/A
IODU/C	NORTEL	N/A
IODU/C	NORTEL	N/A
CALL PROC CARD	NORTEL	N/A
CALL PROC CARD	NORTEL	N/A
CMDU CARD	NORTEL	N/A
EXM DICT TRUNK CARD	NORTEL	N/A
EXM DICT TRUNK CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DUAL PK LINE SIDE	NORTEL	N/A
M7310 FEATURE	NORTEL	M7310 BLACK
RING DC GENERATOR	NORTEL	N/A
2701 DATA UNIT	NORTEL	2701

Description	Manufacturer	Model #
CPU PACK	NORTEL	N/A
SDI / TONE TRANSMITTER	NORTEL	N/A
CLOCK CONTROLLER	NORTEL	N/A
CORE / NETWORK INTERFACE CARD	NORTEL	N/A
DTI/PRI CARD	NORTEL	N/A
EXT PERIPHERALERAL EQUIPMENT	NORTEL	N/A
NETWORK CARD	NORTEL	N/A
DIGITAL LINK	NORTEL	N/A
MER. MAIL MMP40	NORTEL	N/A
NETWORK CARD	NORTEL	N/A
500 LINE CARD	NORTEL	N/A
450-12T SWITCH	NORTEL	N/A
THOR	NORTEL	N/A
M2112 W/DATA	NORTEL	M2112 ASH
ANALOG LINE CARD	NORTEL	N/A
M2008 BASIC	NORTEL	M2008 BASIC
M2008 BASIC	NORTEL	M2008 BASIC
M2008 BASIC	NORTEL	M2008 BASIC
M2008 BASIC	NORTEL	M2008 BASIC
M2008 BASIC	NORTEL	M2008 BASIC
IODU/C	NORTEL	IODU/C
M2008 BASIC	NORTEL	M2008 BASIC
M2008 BASIC	NORTEL	M2008 BASIC
M2008 BASIC	NORTEL	M2008 BASIC
M2008 BASIC	NORTEL	M2008 BASIC
M2008 BASIC	NORTEL	M2008 BASIC
UNIVERSAL TRUNK	NORTEL	NT8D14BB
M7310	NORTEL	M7310
M2317	NORTEL	M2317
M2008 BASIC	NORTEL	M2008 BASIC
M2008 BASIC	NORTEL	M2008 BASIC
M2008 BASIC	NORTEL	M2008 BASIC
M2008 BASIC	NORTEL	M2008 BASIC

Description	Manufacturer	Model #
M2008 BASIC	NORTEL	M2208 BASIC
M2008 BASIC	NORTEL	M2008 BASIC
M2008 BASIC	NORTEL	M2008 BASIC
M2008 BASIC	NORTEL	M2008 BASIC
M2008 BASIC	NORTEL	M2008 BASIC
M2008 BASIC	NORTEL	M2008 BASIC
M2008 BASIC	NORTEL	M2208 BASIC
M2008 BASIC	NORTEL	M2008 BASIC
M2616 BASIC	NORTEL	M2616 BASIC
NORSTAR FIBER BASE STATION MODULE	NORTEL	N/A
OPT 11 CAGE	NORTEL	N/A
MFA 150	NORTEL	N/A
POWER DISTRIBUTION FRAME	NORTEL	N/A
ATA 2	NORTEL	N/A
ATA 2	NORTEL	N/A
ATA 2	NORTEL	N/A
ATA 2	NORTEL	N/A
REMOTE ACCESS DEVICE	NORTEL	N/A
APPLICATIONS MODULE II	NORTEL	N/A
NORSTAR FIBER BASE STATION MODULE	NORTEL	N/A
NORSTAR FIBER BASE STATION MODULE	NORTEL	N/A
TRUNK MODULE	NORTEL	N/A
NORSTAR FIBER BASE STATION MODULE	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
TRUNK MODULE	NORTEL	N/A
C1 TRUNK CARD	NORTEL	N/A
C1 TRUNK CARD	NORTEL	N/A
C1 TRUNK CARD	NORTEL	N/A
TRUNK MODULE	NORTEL	N/A
C1 TRUNK CARD	NORTEL	N/A
C1 TRUNK CARD	NORTEL	N/A
C1 TRUNK CARD	NORTEL	N/A
TRUNK MODULE	NORTEL	N/A

Description	Manufacturer	Model #
C1 TRUNK CARD	NORTEL	N/A
C1 TRUNK CARD	NORTEL	N/A
BLOWER	NORTEL	N/A
NORSTAR FIBER BASE STATION MODULE	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
AUXILIARY RINGING GENERATOR	NORTEL	N/A
MEMORY CARD INSIDE KEY SYSTEM (DR5)	NORTEL	N/A
MFA 150 RACK	NORTEL	N/A
MFA 150	NORTEL	N/A
RACK: HOLDS FMT-150B, FUSE PANEL	NORTEL	N/A
FMT-150B CAGE	NORTEL	N/A
FUSE AND ALARM PANEL	NORTEL	N/A
PEDESTAL	NORTEL	N/A
SYSTEM MONITOR	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
POWER SUPPLY	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
RING GEN DC	NORTEL	N/A
POWER SUPPLY PE	NORTEL	N/A
KEY SYSTEM TELEPHONE (NORSTAR)	NORTEL	N/A
DC JB	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
C1 TRUNK CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A

Description	Manufacturer	Model #
DIGITAL LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
RING GENERATOR	NORTEL	N/A
POWER SUPPLY	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
C1 TRUNK CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
MFA 150 BASE	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
RING GENERATOR	NORTEL	N/A
POWER SUPPLY	NORTEL	N/A
PEDESTAL	NORTEL	N/A
BLOWER	NORTEL	N/A
MFA BASE	NORTEL	N/A
MFA 150	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
NETWORK CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
RING GENERATOR	NORTEL	N/A
C1 TRUNK CARD	NORTEL	N/A
C1 TRUNK CARD	NORTEL	N/A
C1 TRUNK CARD	NORTEL	N/A
C1 TRUNK CARD	NORTEL	N/A

NXT 5529

PSC 7192

Description	Manufacturer	Model #
MODULAR ICS	NORTEL	N/A
POWER SUPPLY CARTRIDGE	NORTEL	N/A
DC JB	NORTEL	N/A
INTERCONNECT AND DISTRIBUTION CENTER	NORTEL	N/A
POWER PLANT/MFA150	NORTEL	N/A
MODULE	NORTEL	N/A
DC/DC POWER	NORTEL	N/A
PEDESTAL DC	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
PE MODULE	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
PE POWER SUPPLY	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
INTELLIGENT OPS LINE CARD	NORTEL	N/A
INTELLIGENT OPS LINE CARD	NORTEL	N/A
INTELLIGENT OPS LINE CARD	NORTEL	N/A
INTELLIGENT OPS LINE CARD	NORTEL	N/A
INTELLIGENT OPS LINE CARD	NORTEL	N/A
MFA 150	NORTEL	N/A
PEDESTAL	NORTEL	N/A
SYSTEM MONITOR	NORTEL	N/A
DUAL PACK LINE SIDE T-1 ASSY	NORTEL	N/A
500 LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
RING DC GENERATOR	NORTEL	N/A
RING DC GENERATOR	NORTEL	N/A
DCCE POWER SUPPLY	NORTEL	N/A
DCCE POWER SUPPLY	NORTEL	N/A
CP68040/96 MB (CALL PROCESSOR)	NORTEL	N/A
CORE BUS TERMINATOR	NORTEL	N/A

Description	Manufacturer	Model #
RING DC GENERATOR	NORTEL	N/A
EXTENDED M/W LINE CA	NORTEL	N/A
DUAL PACK ASSY	NORTEL	N/A
DCPE POWER SUPPLY	NORTEL	N/A
LINE SIDE T-1 INTERFACE	NORTEL	N/A
CPU / CONFERENCE CARD	NORTEL	N/A
DUAL PACK / LINE SIDE	NORTEL	N/A
LINE SIDE T-1 INTERFACE	NORTEL	N/A
DUAL PACK / LINE SIDE	NORTEL	N/A
SDI / TONE TRANSMITTER/TONE DET	NORTEL	N/A
FAST TONE & DIGIT CARD	NORTEL	N/A
FAST TONE & DIGIT CARD	NORTEL	N/A
I/O PROCESSOR	NORTEL	N/A
SYS MON POWR SUPPLY CHASSISS ASSY	NORTEL	N/A
CORE / NETWORK INTERFACE CARD	NORTEL	N/A
PERIPHERALERAL SIGNAL CARD	NORTEL	N/A
6 PORT EXPANSION CARD	NORTEL	N/A
PCMCIA TYPE III ATA CARD	NORTEL	N/A
CALL PROCESSOR 48 MEG	NORTEL	N/A
SWITCH XN	NORTEL	N/A
ANALOG TERM ADAPTER	NORTEL	N/A
SOFTWARE CARTRIDGE (128 PORTS)	NORTEL	N/A
DID	NORTEL	N/A
ISDLC	NORTEL	N/A
OMEGA 768K MEM	NORTEL	N/A
SL1 LINE CARD	NORTEL	N/A
CORE BUS TERMINATOR	NORTEL	N/A
CPU/CONF/TD/TT	NORTEL	N/A
USOC JACK W/RS232 INTERFACE	NORTEL	N/A
DCCE POWER SUPPLY	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DCPE POWER SUPPLY	NORTEL	N/A
T-1 INTERFACE CARD	NORTEL	N/A

Description	Manufacturer	Model #
AL2012415	NORTEL	450
48V REGULATOR	NORTEL	N/A
TRUNK CARTRIDGE	NORTEL	N/A
TRUNK CARTRIDGE	NORTEL	N/A
TRUNK CARTRIDGE	NORTEL	N/A
TRUNK CARTRIDGE	NORTEL	N/A
NTI	NORTEL	N/A
INTER-GROUP SWITCH	NORTEL	N/A
MESSAGE WAITING CARD	NORTEL	N/A
SL1 LINE CARD	NORTEL	N/A
DUAL PACK ASSY	NORTEL	N/A
DUAL PACK ASSY	NORTEL	N/A
PERIPHERALERAL SIGNAL PACK	NORTEL	N/A
INTER-GROUP SWITCH	NORTEL	N/A
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
DIGITAL LINE CARD	NORTEL	N/A
M2616 DISPLAY	NORTEL	M2616
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616

Description	Manufacturer	Model #
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HF
M2616 DISPLAY	NORTEL	M2616
M7310	NORTEL	M7310
ANALOG TERM ADAPTER	NORTEL	N/A
24 PORT HUB	NORTEL	450-24T
M3904 PROF	NORTEL	M3904
M3904	NORTEL	M3904
M3904 PROF	NORTEL	M3904
M3904 PROF	NORTEL	M3904
M3904 PROF	NORTEL	M3904
M3904	NORTEL	M3904
M3904	NORTEL	M3904
M3904	NORTEL	M3904
M3904	NORTEL	M3904
M3904	NORTEL	M3904
M2008 DISPLAY	NORTEL	M2008
M7310	NORTEL	M7310
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M7324	NORTEL	M7324
M7310	NORTEL	M7310
M7310	NORTEL	M7310
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
2500 DESK PHONE RD	NORTEL	2500

Description	Manufacturer	Model #
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
MICB	NORTEL	N/A
M7310	NORTEL	M7310
M2616 BASIC	NORTEL	M2616B
M2008 BASIC	NORTEL	2008 B
DIGITAL PHONE	NORTEL	M2008
M2008 BASIC	NORTEL	M2008
M2008 BASIC	NORTEL	M2008
M2008 BASIC	NORTEL	M2008
M2008 BASIC	NORTEL	M2008
DTI/PRI CARD	NORTEL	DTI
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008
ODU/C	NORTEL	N/A
M2616 BASIC	NORTEL	M2616
M7310	NORTEL	M7310
M2616 BASIC	NORTEL	M2616
M2616 BASIC	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
DIGITAL PHONE	NORTEL	M2616DISPASH
M2008 HANDSFREE BASIC	NORTEL	M2008 HF
M2008 HANDSFREE BASIC	NORTEL	M2008 BHF
M2008 HANDSFREE BASIC	NORTEL	M2008
M2008 HANDSFREE BASIC	NORTEL	M2008 BASIC
M2008 BASIC	NORTEL	M2008
DUAL T-1 CARD	NORTEL	DUAL T-1
ANALOG TERM ADAPTER	NORTEL	N/A
M2616 DISPLAY	NORTEL	M2616 DISP/ASH

Description	Manufacturer	Model #
FIBER SUPER LOOP	NORTEL	N/A
NETWORK CARD	NORTEL	N/A
PERPH SIGNAL PACK	NORTEL	N/A
EXTENDED NETWORK	NORTEL	N/A
NET CARD	NORTEL	N/A
DUAL PORT	NORTEL	N/A
DCH1 CARD	NORTEL	N/A
EXT PERIPHERALERAL EQUIPMENT	NORTEL	N/A
CLOCK CONTROLLER	NORTEL	N/A
RING GENERATOR	NORTEL	N/A
SWITCH XN	NORTEL	N/A
I/O PROCESSOR CARD	NORTEL	N/A
3 PORT EXTENDER CARD	NORTEL	N/A
M2009	NORTEL	M2009
SYSTEM CORE (CPU/CONF)	NORTEL	N/A
C3050	NORTEL	C3050
DCCE POWER SUPPLY	NORTEL	N/A
CORE BUS TERMINATOR	NORTEL	N/A
DCCE POWER SUPPLY	NORTEL	N/A
NETWORK CARD	NORTEL	N/A
PERPH SIGNAL PACK	NORTEL	N/A
INTERFACE CARD	NORTEL	N/A
QPC 720-C PACK	NORTEL	N/A
DUAL PACK LINE SIDE	NORTEL	N/A
UNIVERSAL TDS AND CO	NORTEL	N/A
M7310	NORTEL	M7310
M2250	NORTEL	M2250
ODU/C	NORTEL	N/A
QPC139B CARD	NORTEL	N/A
INTER-GROUP SWITCH	NORTEL	N/A
CT2 MOBILITY LINE CARD	NORTEL	N/A
AUX RING GENERATOR	NORTEL	N/A
CONTROLLER-2	NORTEL	N/A

Description	Manufacturer	Model #
UNIVERSAL TRUNK	NORTEL	N/A
MISP 2 MEG	NORTEL	N/A
UILC	NORTEL	N/A
CORE / NETWORK INTERFACE CARD	NORTEL	N/A
RPI UNIT BIX 16 UL	NORTEL	N/A
BASE STATION IGSE	NORTEL	N/A
RPI UNIT BIX 16 UL	NORTEL	N/A
XLML	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
XDTR	NORTEL	N/A
MISP 2 MEG	NORTEL	N/A
NULL	NORTEL	N/A
UILC	NORTEL	N/A
1.5 MB DTI-PRI (XMT)	NORTEL	N/A
RPI UNIT BIX 16 NA (COMPANION)	NORTEL	N/A
RPI UNIT BIX 16 NA (COMPANION)	NORTEL	N/A
RPI UNIT BIX 16 NA (COMPANION)	NORTEL	N/A
RPI UNIT BIX 16 NA (COMPANION)	NORTEL	N/A
RPI UNIT BIX 16 NA (COMPANION)	NORTEL	N/A
DC POWER SUPPLY	NORTEL	N/A
RPI UNIT BIX 16 NA	NORTEL	N/A
RPI UNIT BIX 16 NA	NORTEL	N/A
BLANK CARD	NORTEL	N/A
XDTR	NORTEL	N/A
C1110 WBS-US BTS	NORTEL	N/A
COLUMN SPACER KIT	NORTEL	N/A
COLUMN SPACER KIT	NORTEL	N/A
DISK DRIVE	NORTEL	N/A
CONTROLER CARD	NORTEL	N/A
INTER-GROUP SWITCH	NORTEL	N/A
PRIM CARD	NORTEL	N/A
CE POWER SUP	NORTEL	N/A
INTER-GROUP SWITCH	NORTEL	N/A

Description	Manufacturer	Model #
EXTENDED UNIVERS	NORTEL	N/A
MMP40 CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DCHI CARD	NORTEL	N/A
PC PACK EXTENDED UNIVERSAL	NORTEL	N/A
NULL	NORTEL	N/A
LINE SIDE T-1 OPT 11	NORTEL	N/A
FILLER PANEL RING I	NORTEL	N/A
PERIPHERALERAL SQNL PK	NORTEL	N/A
EXTEND UNIVERSAL TRUNK PL	NORTEL	N/A
CT2 MOBILITY LINE CARD	NORTEL	N/A
LINE SIDE T-1 INTERFACE	NORTEL	N/A
CONFERENCE CARD N & XN	NORTEL	N/A
NULL	NORTEL	N/A
PERIPHERALERAL SNLQ	NORTEL	N/A
TDS/DTR	NORTEL	N/A
RPI UNIT BIX 16NA	NORTEL	N/A
CLOCK CONTROL DB	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
CARD CAGE	NORTEL	N/A
FPEC	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
RECTIFIER	NORTEL	N/A
FPEC	NORTEL	N/A
RECTIFIER	NORTEL	N/A
FIBER I/F	NORTEL	N/A
CARD CAGE	NORTEL	N/A

Description	Manufacturer	Model #
DMI-F45	NORTEL	N/A
DMI-F45	NORTEL	N/A
DMI-F45	NORTEL	N/A
DMI-F45	NORTEL	N/A
CIRCUIT BOARD	NORTEL	N/A
MPR-25	NORTEL	N/A
CARD CAGE	NORTEL	N/A
MPR 25	NORTEL	N/A
DMI-F45 FMT-150	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
CARD CAGE	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FPEC	NORTEL	N/A
MPR 25	NORTEL	N/A
FPEC CARD	NORTEL	N/A
CARD CAGE	NORTEL	N/A
FPEC	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FPEC	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
CARD CAGE	NORTEL	N/A
CARD CAGE	NORTEL	N/A
POWER CARD IN FMT-150B	NORTEL	N/A
SLOT DSI STBY CARD IN FMT-150B	NORTEL	N/A
SLOT GR1 CARD IN FMT-150B	NORTEL	N/A
SLOT GR2 CARD IN FMT-150B	NORTEL	N/A
SLOT TR1A CARD IN FMT-150B	NORTEL	N/A
SLOT TR1B CARD IN FMT-150B	NORTEL	N/A

Description	Manufacturer	Model #
SLOT E/OA FIBER INTERFACE CARD	NORTEL	N/A
SLOT E/OB FIBER INTERFACE CARD	NORTEL	N/A
MPR-25	NORTEL	N/A
POWER CARD IN FMT-150B	NORTEL	N/A
SLOT HBLBO CARD IN FMT-150B	NORTEL	N/A
MPR 25	NORTEL	N/A
MPR25	NORTEL	N/A
POWER CARD FMT-150	NORTEL	N/A
POWER CARD FMT-150	NORTEL	N/A
LB01 INSIDE FMT-150	NORTEL	N/A
LB02 INSIDE FMT-150	NORTEL	N/A
LB0 INSIDE FMT-150	NORTEL	N/A
DS3A INSIDE FMT-150	NORTEL	N/A
SLOT MCU CARD IN FMT-150B	NORTEL	N/A
FPEC CARD	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FPEC CARD	NORTEL	N/A
MPR 25 RECTIFIER/POS G1	NORTEL	N/A
MCS-XC 1.1	NORTEL	N/A
FIBER INTERFACE CARD	NORTEL	N/A
FIBER INTERFACE CARD	NORTEL	N/A
MPR 25 POS(G1)	NORTEL	N/A
FPEC CARD (FIBER I/F)	NORTEL	N/A
SLOT DS3B CARD IN FMT-150B	NORTEL	N/A
FPEC CARD	NORTEL	N/A
SLOT DS3A CARD IN FMT-150B	NORTEL	N/A
FPEC	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
POWER CARD IN FMT-150B	NORTEL	N/A
POWER CARD IN FMT-150B	NORTEL	N/A
SLOT LB01 CARD IN FMT-150B	NORTEL	N/A
SLOT LB02 CARD IN FMT-150B	NORTEL	N/A

Description	Manufacturer	Model #
MPR-25	NORTEL	N/A
FPEC CARD (FIBER I/F)	NORTEL	N/A
ATMSPEED/155 NC	NORTEL	N/A
FIBER I/F	NORTEL	N/A
5DN310	NORTEL	N/A
5DN308PS	NORTEL	N/A
400-2FX MDA	NORTEL	N/A
ETHERSPEED 16 PORT	NORTEL	N/A
ATMSPEED/155 NC	NORTEL	N/A
ETHERSPEED 16	NORTEL	N/A
5DN308PS	NORTEL	N/A
TOKENSPEED 4 PORT UTP	NORTEL	N/A
5DN308PS	NORTEL	N/A
POWER SUPPLY CENTILLION 100	NORTEL	N/A
POWER SUPPLY CENTILLION 100	NORTEL	N/A
5510 TOKEN RING NMM	NORTEL	N/A
5720 M ATM MCP MDA HOST	NORTEL	N/A
5308-AF ETHER HOST	NORTEL	N/A
5310A/SA ETHERNET NMM	NORTEL	N/A
5310A/SA ETHERNET NMM	NORTEL	N/A
5310A/SA ETHER OVEN NMM	NORTEL	N/A
TOKENSPEED 4 PORT FIBER	NORTEL	N/A
5431 ESAF-4 ETHER/SYNC BCN	NORTEL	N/A
5DN304P	NORTEL	N/A
5DN378P-F	NORTEL	N/A
TOKEN SPEED 4 PORT FIBER/ST C-100	NORTEL	N/A
TOKEN SPEED 4 PORT FIBER/ST C-100	NORTEL	N/A
ETHER SPEED 8 PORT	NORTEL	N/A
ATM SPEED/155 MMF 4 PORT FIBER/SC C-100	NORTEL	N/A
ATM SPEED/155 MMF 4 PORT FIBER/SC C-100	NORTEL	N/A
400-2FX-MDA	NORTEL	N/A
ETHER SPEED 16 PORT	NORTEL	N/A
5308PS ETHERNET HOST	NORTEL	N/A

Description	Manufacturer	Model #
5431 ESAF-4 ETHER/SYNC BCN	NORTEL	N/A
FRE-2 BCN/BLN	NORTEL	N/A
FRE-060 BCN/BLN	NORTEL	N/A
TOKEN RING COPPER MDA 450	NORTEL	N/A
ARE SONET/SDH BCN/BLN	NORTEL	N/A
ETHER SPEED 16 PORT	NORTEL	N/A
28115/ADV SWITCH	NORTEL	N/A
28115/ADV SWITCH	NORTEL	N/A
ATM SPEED/155 MMF 4 PORT FIBER/SC C-100	NORTEL	N/A
POWER SUPPLY	NORTEL	N/A
SLOT 10	NORTEL	N/A
ESAF-4 5431 SLOT 2	NORTEL	N/A
ARE SONET/SDH SLOT 4	NORTEL	N/A
ARE SONET/SDH SLOT 5	NORTEL	N/A
SYNC 5260 SLOT 6	NORTEL	N/A
SRML 75000 SLOT 7	NORTEL	N/A
ARE SONET/SDH SLOT 10	NORTEL	N/A
5308P ETHERNET HOST	NORTEL	N/A
QTOK 50021 SLOT 8	NORTEL	N/A
SLOT 6	NORTEL	N/A
POWER SUPPLY	NORTEL	N/A
POWER SUPPLY	NORTEL	N/A
CAGE	NORTEL	N/A
CARD CAGE	NORTEL	N/A
CARD CAGE	NORTEL	N/A
CARD CAGE	NORTEL	N/A
CARD CAGE	NORTEL	N/A
CARD CAGE	NORTEL	N/A
POWER SUPPLY	NORTEL	N/A
TOKENSPEED	NORTEL	N/A
GR1 INSIDE FMT-150	NORTEL	N/A
5505P TOKEN RING HOST	NORTEL	N/A
5510 TOKEN RING NMM	NORTEL	N/A

Description	Manufacturer	Model #
400-2FX MDA	NORTEL	N/A
5308PS ETHERNET HOST MOD	NORTEL	N/A
5505P TOKEN RING HOST	NORTEL	N/A
5510 TOKEN RING NMM	NORTEL	N/A
ETHERSPEED 100 16 PORT	NORTEL	N/A
SLOT 8	NORTEL	N/A
TOKENSPEED	NORTEL	N/A
SLOT 7	NORTEL	N/A
ATMSPEED/155 NC	NORTEL	N/A
ATMSPEED/155S	NORTEL	N/A
POWER SUPPLY FOR C 100	NORTEL	N/A
POWER SUPPLY FOR C 100	NORTEL	N/A
SLOT 2	NORTEL	N/A
SLOT 4	NORTEL	N/A
SLOT 5	NORTEL	N/A
5308P ETHERNET HOST	NORTEL	N/A
ETHERSPEED 16 PORT	NORTEL	N/A
FIBER I/F CARD	NORTEL	N/A
DS3B INSIDE FMT-150	NORTEL	N/A
3 PE CARD	NORTEL	N/A
ENET CARD	NORTEL	N/A
ENET CARD	NORTEL	N/A
3 PE CARD	NORTEL	N/A
ENET CARD	NORTEL	N/A
ENET CARD	NORTEL	N/A
DUAL PRI CARD	NORTEL	N/A
FIBER I/F CARD	NORTEL	N/A
ENET CARD	NORTEL	N/A
DUAL PRI CARD	NORTEL	N/A
ENET CARD	NORTEL	N/A
ENET CARD	NORTEL	N/A
DUAL PRI CARD	NORTEL	N/A
ENET CARD	NORTEL	N/A

Description	Manufacturer	Model #
FIBER I/F CARD	NORTEL	N/A
FIBER I/F CARD	NORTEL	N/A
3 PE CARD	NORTEL	N/A
FNET CARD	NORTEL	N/A
NETWORK CARD	NORTEL	N/A
FIBER I/F CARD	NORTEL	N/A
FIBER I/F CARD	NORTEL	N/A
FNET CARD	NORTEL	N/A
NETWORK CARD	NORTEL	N/A
3 PE CARD	NORTEL	N/A
SDI2 CARD	NORTEL	N/A
SDI2 CARD	NORTEL	N/A
ENET CARD	NORTEL	N/A
NETWORK CARD	NORTEL	N/A
FNET	NORTEL	N/A
3 PE CARD	NORTEL	N/A
3 PE CARD	NORTEL	N/A
C/C CARD	NORTEL	N/A
FNET CARD	NORTEL	N/A
FIBER I/F CARD	NORTEL	N/A
FIBER I/F CARD	NORTEL	N/A
DUAL PRI CARD	NORTEL	N/A
ENET CARD	NORTEL	N/A
DUAL PRI CARD	NORTEL	N/A
3 PE	NORTEL	N/A
ENET	NORTEL	N/A
ENET	NORTEL	N/A
3 PE	NORTEL	N/A
FNET	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FNET	NORTEL	N/A
ENET CARD	NORTEL	N/A

Description	Manufacturer	Model #
FIBER I/F	NORTEL	N/A
FNET	NORTEL	N/A
MSU(DISK)	NORTEL	N/A
MSU(DISK)	NORTEL	N/A
MSU(DISK)	NORTEL	N/A
MSU(DISK)	NORTEL	N/A
MSU(DISK)	NORTEL	N/A
MSU(DISK)	NORTEL	N/A
GR4 FMT-150	NORTEL	N/A
POWER SUPPLY 5000 CHASSI	NORTEL	5001
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER REMOTE CAGE	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
ENET	NORTEL	N/A
ENET	NORTEL	N/A
ENET	NORTEL	N/A
ENET	NORTEL	N/A
3 PE	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
DUAL PRI	NORTEL	N/A
ENET	NORTEL	N/A
ENET	NORTEL	N/A
3 PE	NORTEL	N/A
FNET	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
3 PE CARD	NORTEL	N/A
FNET	NORTEL	N/A
POWER CARD FMT-150	NORTEL	N/A

Description	Manufacturer	Model #
GR2 FMT-150	NORTEL	N/A
GR3 FMT-150	NORTEL	N/A
GR4 FMT-150	NORTEL	N/A
GR5 FMT-150	NORTEL	N/A
GR6 FMT-150	NORTEL	N/A
GR7 FMT-150	NORTEL	N/A
DMI-F45 FMT-150	NORTEL	N/A
DS1 STBY FMT-150	NORTEL	N/A
MCU FMT-150	NORTEL	N/A
DS3B FMT-150	NORTEL	N/A
POWER CARD FMT-150	NORTEL	N/A
POWER CARD FMT-150	NORTEL	N/A
POWER CARD FMT-150	NORTEL	N/A
LB01 FMT-150	NORTEL	N/A
LB02 FMT-150	NORTEL	N/A
DS3 LB0 FMT-150	NORTEL	N/A
DS3A FMT-150	NORTEL	N/A
CC CARD	NORTEL	N/A
DMI-F45 (FIBER CARD) FMT-150	NORTEL	N/A
LB02 INSIDE FMT-150	NORTEL	N/A
5DN310 NMM D5000	NORTEL	N/A
GR2 INSIDE FMT-150	NORTEL	N/A
DMI-F45 FIBER CONVERTER INSIDE FMT-150	NORTEL	N/A
DMI-F45 FIBER CONVERTER INSIDE FMT-150	NORTEL	N/A
MCU INSIDE FMT-150	NORTEL	N/A
POWER CARD INSIDE FMT-150	NORTEL	N/A
POWER CARD INSIDE FMT-150	NORTEL	N/A
POWER CARD INSIDE FMT-150	NORTEL	N/A
GR1 FMT-150	NORTEL	N/A
LB01 INSIDE FMT-150	NORTEL	N/A
DS1 STBY FMT-150	NORTEL	N/A
LB03 FMT-150	NORTEL	N/A
DS3 LB0 FMT-150	NORTEL	N/A

Description	Manufacturer	Model #
LB04 FMT-150	NORTEL	N/A
LB05 FMT-150	NORTEL	N/A
LB06 FMT-150	NORTEL	N/A
LB07 FMT-150	NORTEL	N/A
DS3A FMT-150	NORTEL	N/A
GR1 FMT-150	NORTEL	N/A
POWER CARD INSIDE FMT-150	NORTEL	N/A
FPEC	NORTEL	N/A
FPEC HOUSING	NORTEL	N/A
FPEC HOUSING	NORTEL	N/A
FPEC FIBER I/F	NORTEL	N/A
FPEC FIBER I/F	NORTEL	N/A
FPEC HOUSING	NORTEL	N/A
FPEC HOUSING	NORTEL	N/A
FPEC FIBER I/F	NORTEL	N/A
DS3B FMT-150	NORTEL	N/A
FPEC	NORTEL	N/A
FPEC INLET	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
F PEC	NORTEL	N/A
DS1 STBY INSIDE FMT-150	NORTEL	N/A
FPEC FIBER I/F	NORTEL	N/A
LB04 FMT-150	NORTEL	N/A
GR2 FMT-150	NORTEL	N/A
MCU FMT-150	NORTEL	N/A
POWER CARD FMT-150	NORTEL	N/A
POWER CARD FMT-150	NORTEL	N/A
POWER CARD FMT-150	NORTEL	N/A

Description	Manufacturer	Model #
POWER CARD FMT-150	NORTEL	N/A
LB01 FMT-150	NORTEL	N/A
LB02 FMT-150	NORTEL	N/A
FPEC INLET	NORTEL	N/A
DS3 LB0 FMT-150	NORTEL	N/A
FPEC INLET	NORTEL	N/A
DS3A FMT-150	NORTEL	N/A
DS3B FMT-150	NORTEL	N/A
DS1 STBY FMT-150	NORTEL	N/A
GR1 FMT-150	NORTEL	N/A
GR2 FMT-150	NORTEL	N/A
GR3 FMT-150	NORTEL	N/A
FPEC INLET	NORTEL	N/A
3PE CARD	NORTEL	N/A
LB03 FMT-150	NORTEL	N/A
FIBER SUPER LOOP NTWK	NORTEL	N/A
FNET	NORTEL	N/A
M2616 DISPLAY	NORTEL	M2616 D
M2616 DISPLAY	NORTEL	M2616
DIGITAL LINE CARD	NORTEL	N/A
M2616 DISPLAY	NORTEL	M2616 D
RPSU POWER MODEM	NORTEL	RPSU
N/A	NORTEL	RPSU
M2008 BASIC	NORTEL	M2008 B
NETWORK CARD	NORTEL	N/A
M2008 BASIC	NORTEL	M2008 B
FIBER SUPER LOOP NTWK	NORTEL	N/A
NETWORK CARD	NORTEL	N/A
NETWORK CARD	NORTEL	N/A
DATA INTERFACE DUAL	NORTEL	N/A
DATA INTERFACE DUAL	NORTEL	N/A
POWER MONITOR	NORTEL	N/A
FNET	NORTEL	N/A

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Description	Manufacturer	Model #
POWER MONITOR	NORTEL	N/A
M2008HF BLK	NORTEL	M2008 HF
M2616 BASIC	NORTEL	M2616B
M 2008 HFB	NORTEL	M2008 HFB
M2008 HFB	NORTEL	M2008 HFB
M2008 HFB	NORTEL	M2008 HFB
M2008 HFB	NORTEL	M2008 HFB
M 2008 HFB	NORTEL	M2008 HFB
M2008 HFB	NORTEL	M2008 HFB
M2008 HFB	NORTEL	M2008 HFB
M2008 HFB	NORTEL	M2008 HFB
M2616 BASIC	NORTEL	M2616 B
NETWORK CARD	NORTEL	N/A
M2616 BASIC	NORTEL	M2616B
M2616 BASIC	NORTEL	M2616B
M2616 BASIC	NORTEL	M2616 B
M2616 BASIC	NORTEL	M2616B
M2616 BASIC	NORTEL	M2616B
M2008 BASIC	NORTEL	M2008 B
M2008 BASIC	NORTEL	M2008 B
M2008 BASIC	NORTEL	M2008 B
M2008 HFB	NORTEL	M2008 HFB
FIBER I/F	NORTEL	N/A
DUAL/PRI	NORTEL	N/A
PCB ASSY EXTENDED NTWK	NORTEL	N/A
NETWORK CARD	NORTEL	N/A
DUAL PORT DTI/PRI	NORTEL	N/A
UNIVERSAL TDS & CO	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
UNIVERSAL TDS & CO	NORTEL	N/A
FIBER I/F	NORTEL	N/A
NETWORK CARD	NORTEL	N/A

Description	Manufacturer	Model #
FIBER I/F	NORTEL	N/A
FIBER LOOP NTWK CARD	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
NETWORK CARD	NORTEL	N/A
5DN310 NMM D5000	NORTEL	N/A
FIBER I/F	NORTEL	N/A
MULTI PURPOSE SDL	NORTEL	N/A
M2008 HFB	NORTEL	M2008 HFB
TELRAD DCBA	NORTEL	N/A
N/A	NORTEL	N/A
N/A	NORTEL	N/A
OPT11C CPU PACK PCB ASSY	NORTEL	N/A
CHANGE OVER CIRCUIT PACK	NORTEL	N/A
CHANGE OVER CIRCUIT PACK	NORTEL	N/A
CIR/PAK (MSI) MASS	NORTEL	N/A
FIBER I/F	NORTEL	N/A
2M MEM HABC	NORTEL	N/A
FIBER I/F	NORTEL	N/A
SERIAL DATA INTERFACE	NORTEL	N/A
FPEC	NORTEL	N/A
MSDL PL PACK	NORTEL	N/A
THREE PORT EXTENDER	NORTEL	N/A
MICB	NORTEL	N/A
CLOCK CONTROLLER	NORTEL	N/A
DUAL PRI CARD	NORTEL	N/A
SDI	NORTEL	N/A
MUTLI PURPOSE SER DATA LINK	NORTEL	N/A
BAYSTACK 450-24T 10/100 AUTOSENSE SWITCH	NORTEL	450-24T
5000 CHASSIS POWER SUPPLY	NORTEL	5110
5000 CHASSIS POWER SUPPLY	NORTEL	5001

Description	Manufacturer	Model #
5000 CHASSIS POWER SUPPLY	NORTEL	5001
5000 CHASSIS POWER SUPPLY	NORTEL	5001
D5000 CHASSIS WITH TENPESATURE SENDOR	NORTEL	5DN003A
SYSTEM 5000 SUPERVISORY MODULE	NORTEL	5110
5000 CHASSIS POWER SUPPLY	NORTEL	5001
12 PORT ETHERNET HUB x SYNC	NORTEL	ANH
5000 CHASSIS POWER SUPPLY	NORTEL	5001
5000 CHASSIS POWER SUPPLY	NORTEL	5001
BAYSTACK 450-24T 10/100 AUTOSENSE SWITCH	NORTEL	450-24T
DISTRIBUTED 5000 HUB	NORTEL	5DN003A
REDUNDANT POWER SUPPLY FOR D500	NORTEL	RPSU
BAYSTACK 504 TOKEN RING HUB	NORTEL	N/A
REDUNDANT POWER SUPPLY FOR D5000	NORTEL	N/A
DISTRIBUTED 5000 CHASSIS	NORTEL	5DN003A
BAYSTACK 102 10 BASE T HUB 24 PORTS	NORTEL	N/A
M2008 HFB	NORTEL	M2008 HFB
5000 CHASSIS POWER SUPPLY	NORTEL	5001
5000 ENET/TR CORN	NORTEL	5000 ENET
POWER SUPPLY 5000 CHASSIS	NORTEL	5001
BAYSTACK450-12T 10/100 AUTOSENSE SWITCH	NORTEL	450-12T
REDUNDANT POWER SUPPLY FOR D5000	NORTEL	N/A
5000 CHASSIS SUPERVISORY MODULE	NORTEL	5110
5000 CHASSIS POWER SUPPLY	NORTEL	5001
5000 CHASSIS POWER SUPPLY	NORTEL	5001
SYSTEM 5000 SUPERVISORY MODULE	NORTEL	5110
5000 CHASSIS POWER SUPPLY	NORTEL	5001
DISTRIBUTED 5000 HUB	NORTEL	5DN003A
5000 CHASSIS POWER SUPPLY	NORTEL	5001
TOKEN RING 16 PORT AR ATP/UTP HUB	NORTEL	2715A-F
5001 P.SUPPLY	NORTEL	5001 P.SUPPLY
5001 P.SUPPLY	NORTEL	5001 P.SUPPLY
5001 P.SUPPLY	NORTEL	5001
5001 P.SUPPLY	NORTEL	5001

Description	Manufacturer	Model #
CENTILLIAR 100 CHASSIS	NORTEL	C-100
SYTEM 5000 SUPERVISORY MODULE	NORTEL	5110
5000 CHASSIS POWER SUPPLY	NORTEL	5001
5000 CHASSIS SUPERVISORY MODULE	NORTEL	5110
5000 CHASSIS POWER SUPPLY	NORTEL	5001
M2008B	NORTEL	M2008B
M2008 BASIC	NORTEL	M2008 BASIC
M2008 BASIC	NORTEL	M2008 BASIC
DIGITAL L.C.	NORTEL	N/A
M2008B	NORTEL	M2008B
M2008B	NORTEL	M2008B
M2008B	NORTEL	M2008B
M2008 BHF	NORTEL	M2008 BHF
CONN PANEL W/G SC SLVS/WALL	NORTEL	N/A
M2008B	NORTEL	M2008B
M2008 BASIC	NORTEL	M2008 BASIC
M2008 HFB	NORTEL	M2008 HFB
M2008 HFB	NORTEL	M2008 HFB
M2008 HFB	NORTEL	M2008 HFB
M2008HFB	NORTEL	M2008
M2008 HFB	NORTEL	M2008 HFB
M2008 HFB	NORTEL	M2008 HFB
M2008 HFB	NORTEL	M2008 HFB
SUPER LOOP NETWORK	NORTEL	N/A
M2008 HFB	NORTEL	M2008 HFB
DISPLAY	NORTEL	M2616
5000 CHASSIS POWER SUPPLY	NORTEL	5001
BAYSTACK 450 24T 10/100 AUTOSENSE SWITCH	NORTEL	450-24T
BAYSTACK 450-24T 10/100 AUTOSENSE SWITCH	NORTEL	450-24T
TOKEN RING HUB 16 PORT STP/UTP	NORTEL	2715A-F
M2008 BASIC	NORTEL	M2008 BASIC
M2216	NORTEL	M2216 D
M2216 DISPLAY	NORTEL	M2216 D

Description	Manufacturer	Model #
M7310	NORTEL	M7310
M2008 BASIC	NORTEL	M2008 BASIC
M2616 BASIC	NORTEL	M2616
M2008 BASIC	NORTEL	M2008 BASIC
I/O DISK W/CD ROM	NORTEL	I/O DISK
M2008B	NORTEL	M2008
M2008 DISPLAY	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HFD
M2008 HFB	NORTEL	M2008 HFB
M2009B	NORTEL	M2009B
M2008 BASIC	NORTEL	M2008 BASIC
M2008 HFB	NORTEL	M2008 HFB
M2008 DISPLAY	NORTEL	M2008
5310A/SA ETHER NMM 5000	NORTEL	N/A
NETWORK CARD	NORTEL	N/A
5308 P-24 PORT ETHER HOST MOD 5000	NORTEL	N/A
5510 TOKEN RING NMM	NORTEL	N/A
5308 24-PORT ETHER HOST 5000	NORTEL	N/A
5510 TOKKEN RING NMM 5000	NORTEL	N/A
5510 TOKKEN RING NMM 5000	NORTEL	N/A
5310A/SA ETHER NMM 5000	NORTEL	N/A
5308 PS-24 PORT ETHER HOST MOD 5000	NORTEL	N/A
5310A/SA ETHER NMM 5000	NORTEL	N/A
5308 PS-24 PORT ETHER HOST MOD 5000	NORTEL	N/A
5310A/SA ETHER NMM 5000	NORTEL	N/A
5310A/SA ETHER NMM 5000	NORTEL	N/A
5310A/SA ETHER NMM 5000	NORTEL	N/A
5505P 20 PORT TOKEN RING 5000	NORTEL	N/A
5505P 20 PORT TOKEN RING 5000	NORTEL	N/A
5505P 20 PORT TOKEN RING 5000	NORTEL	N/A
5505P 20 PORT TOKEN RING 5000	NORTEL	N/A
5505P 20 PORT TOKEN RING 5000	NORTEL	N/A
5310A/SA ETHER NMM 5000	NORTEL	N/A

Description	Manufacturer	Model #
TOKENSPEED 8 PORT C-100	NORTEL	N/A
ETHER SWITCH 24 PORT	NORTEL	5625
400-25F MDA	NORTEL	N/A
5280 QUAD PORT SYNC	NORTEL	N/A
5DN308PS 12 PORT	NORTEL	N/A
5DN304P 3 PORT FIBER	NORTEL	N/A
400-2FX MDA 100 FIBER	NORTEL	N/A
5510 TR NMM	NORTEL	N/A
5308 PS-24 PORT ETHER HOST MOD 5000	NORTEL	N/A
TOKENSPEED C-100	NORTEL	N/A
5575C TOKEN RING CLUSTER 5000	NORTEL	N/A
ATM SPEED /1555 C-100	NORTEL	N/A
ATM SPEED / 55	NORTEL	N/A
BHUPGRADE (5000 NT/BH)	NORTEL	N/A
5308 PS- 24 PORT ETHERHOST MOD 5000	NORTEL	N/A
5308 PS-24 PORT ETHERHOST MOD 5000	NORTEL	N/A
5308 PS-24 PORT ETHER HOST MOD 5000	NORTEL	N/A
5308 PS-24 PORT ETHER HOST MOD 5000	NORTEL	N/A
5308 PS-24 PORT ETHER HOST MOD 5000	NORTEL	N/A
ETHERSPEED 16 PORT MODULE C-100	NORTEL	N/A
D5000	NORTEL	N/A
5505 P 20 PORT TOKEN RING HOST 5000	NORTEL	N/A
5505 P 20 PORT TOKEN RING HOST 5000	NORTEL	N/A
5505 P 20 PORT TOKEN RING HOST 5000	NORTEL	N/A
5505 P 20 PORT TOKEN RING HOST 5000	NORTEL	N/A
5505 P 20 PORT TOKEN RING HOST 5000	NORTEL	N/A
5505 P 20 PORT TOKEN RING HOST 5000	NORTEL	N/A
5000-NT CHASES	NORTEL	N/A
5308P 24 PORT ETHER 5000	NORTEL	N/A
RPSU	NORTEL	N/A
5510 TOKEN RING NMM	NORTEL	N/A
5DN310 NMM D5000	NORTEL	N/A
5DN308PS	NORTEL	N/A

Description	Manufacturer	Model #
5DN308PS	NORTEL	N/A
400-2FX MDA	NORTEL	N/A
5505PS	NORTEL	N/A
5308PS	NORTEL	N/A
POWER SUPPLY C-100	NORTEL	N/A
MCU FMT-150	NORTEL	N/A
5110 SUPERVISORY MODULE	NORTEL	N/A
980924 BACK PLANE ALIGN JIG KIT	NORTEL	N/A
POWER SUPPLY 115/230V	NORTEL	POWER SUPPLY
5575C TOKEN RING CLUSTER 5000	NORTEL	N/A
5378F QUAD CLUSTER ETHER HOST 5000	NORTEL	N/A
5378F QUAD CLUSTER ETHER HOST 5000	NORTEL	N/A
5110 SUPERVISORY MODULE 5000	NORTEL	N/A
980924 BACK PLANE ALIGN JIG KIT	NORTEL	N/A
980924 BACK PLANE ALIGN JIG KIT	NORTEL	N/A
980924 BACK PLANE ALIGN JIG KIT	NORTEL	N/A
5505 PS 20 PORT TOKEN RING HOST 5000	NORTEL	N/A
980924 BACK PLANE ALIGN JIG KIT	NORTEL	N/A
5510 TOKEN RING NMM	NORTEL	N/A
980924 BACK PLANE ALIGN JIG KIT	NORTEL	N/A
980924 BACK PLANE ALIGN JIG KIT	NORTEL	N/A
980924 BACK PLANE ALIGN JIG KIT	NORTEL	N/A
D5000 HUB	NORTEL	N/A
5399 ISDN PRI REMOTE ACCESS T1	NORTEL	N/A
5000-NT CHASES	NORTEL	N/A
5510 TOKEN RING NMM	NORTEL	N/A
5575C TOKEN RING CLUSTER 5000	NORTEL	N/A
980924 BACK PLANE ALIGN JIG KIT	NORTEL	N/A
FIBER I/F	NORTEL	AD646308
EXTENDED NETWORK	NORTEL	N/A
MSDL PC PACK	NORTEL	N/A
MSDL PC PACK	NORTEL	N/A
EXTENDED NETWORK	NORTEL	N/A

Description	Manufacturer	Model #
EXTENDED NETWORK	NORTEL	N/A
5720-12 2 PORT MDA	NORTEL	MDA
UP-8	NORTEL	UP-8
F NET	NORTEL	F NET
FIBER I/F	NORTEL	FIBER I/F
DTI/PRI	NORTEL	N/A
FIBER I/F	NORTEL	A0646308
FIBER I/F	NORTEL	A0646308
DUMMY 02	NORTEL	DUMMY 02
N/A	NORTEL	A0629339
F NET	NORTEL	A0734415
DUMMY 02	NORTEL	DUMMY 02
N/A	NORTEL	A062939
DIGITAL LINE CARD	NORTEL	NT8D02GA
FPEC	NORTEL	FPEC
NETWORK CARD	NORTEL	N/A
UNIVERSAL TDS & CO	NORTEL	N/A
UNIVERSAL TDS & CO	NORTEL	N/A
ROM CARD CT2 PLUS	NORTEL	N/A
MCA BOXED OPTION	NORTEL	N/A
FIBER I/F	NORTEL	N/A
FIBER I/F	NORTEL	N/A
MFA RACK	NORTEL	N/A
FIBER I/F	NORTEL	N/A
NETWORK CARD	NORTEL	N/A
FNET	NORTEL	N/A
PC PACK FXNET RECEIVER	NORTEL	N/A
PCB ASSY EXTENDED NETWORK	NORTEL	N/A
EXTENSION CARD	NORTEL	N/A
EXTENSION CARD	NORTEL	N/A
TRUNK CARTRIDGE	NORTEL	N/A
TRUNK CARTRIDGE	NORTEL	N/A
N/A	NORTEL	N/A

Description	Manufacturer	Model #
X32 SERVICE CARTRIDGE	NORTEL	N/A
F PEC	NORTEL	A0797732
5724M 4 PORT ATM MCP	NORTEL	5724
E-MOBILITY MPS ACESS POINT	NORTEL	MPS
WIRELESS ANT CEILING	NORTEL	SPECTRUM 24
E-MOBILITY ACCESS PINT	NORTEL	E-MOBILITY
REMOTE POWER INTFC	NORTEL	REMOTE POWER
E-MOBILITY ACESS POINT	NORTEL	MPS
REMOTE POWER INTFC	NORTEL	REMOTE POWER
POWER SUPPLY 115/230V	NORTEL	POWER SUPPLY
E-MOBILITY	NORTEL	MPS
FIBER I/F	NORTEL	A0646308
REMOTE POWER INTFC	NORTEL	POWER SUPPLY
WIRELESS ANT CELLING	NORTEL	SPECTRUM 24
REMOTE POWER SUPPLU	NORTEL	REMOTE POWER
POWER SUPPLU 115/230V	NORTEL	POWER SUPPLY
E-MOBILITY MPS ACCES POINT	NORTEL	E-MOBILITY
REMOTE POWER INTFC	NORTEL	REMOTE POWER
PPOWER SUPPLY 115/230V	NORTEL	POWER SUPPLY
E-MOBILITY MPS ACCES	NORTEL	MPS
REMOTE POWER INTFC	NORTEL	REMOTE POWER
5DN310 NMM D5000	NORTEL	N/A
REMOTE POWER INTFC	NORTEL	REMOTE POWER
PCP,NCE CORE NTWRK	NORTEL	CORE NTWRK
MI COMPANION DR4	NORTEL	MI COMPANION
BAYSTACK 400-2FX MDA	NORTEL	BAYSTACK 400
BAYSTACK 400-FX MDA	NORTEL	BAYSTACK 400
BAYSTACK 400-FX MDA	NORTEL	BAYSTACK 400-FX
BAYSTACK 400-FX MDA	NORTEL	BAYSTACK 400-FX MDA
BAYSTACK 400-FX MDA	NORTEL	BAYSTACK 400-FX MDA
5625 RMA	NORTEL	5625 RMA
CORE NTWRK INTFC	NORTEL	CORE NTWRK
WIRELESS ANT CEILING	NORTEL	SPECTRUM 24

Description	Manufacturer	Model #
CORE NETWRK INTFC	NORTEL	CORE NETWRK
WIRELESS ANT CELING	NORTEL	SPECTRUM 24
PCP,NCE CORE NTWRK	NORTEL	CORE NTWRK
MBPS PC CARD	NORTEL	PC CARD
MBPS PC CARD	NORTEL	PC CARD
MBPS PC CARD	NORTEL	PC CARD
ANTENA	NORTEL	PC-2415N
ANTENA	NORTEL	PC-2415N
WIRELESS ANT CELLING	NORTEL	SPECTRUM
FIBER IF RLS 6	NORTEL	IF RLS 6
CORE NEWRK	NORTEL	CORE NTWRK
CONF/TDS CARD	NORTEL	N/A
CARD CAGE FMT-150	NORTEL	N/A
MSDL CARD	NORTEL	N/A
CONF AND TDS CARD	NORTEL	N/A
INTER GROUP MODULE	NORTEL	N/A
MSDL CARD	NORTEL	N/A
CONF/TDS CARD	NORTEL	N/A
MSDL CARD	NORTEL	N/A
NETWORK CARD	NORTEL	N/A
NET CARD	NORTEL	N/A
CONF/TDS CARD	NORTEL	N/A
CONF/TDS CARD	NORTEL	N/A
NET CARD	NORTEL	N/A
MSDL CARD	NORTEL	N/A
CONF/TDS CARD	NORTEL	N/A
CONF/TDS CARD	NORTEL	N/A
CONF/TDS CARD	NORTEL	N/A
NET CARD	NORTEL	N/A
CONF/TDS CARD	NORTEL	N/A
NET CARD	NORTEL	N/A
DIGITAL VOICE ANNOUNCER	NORTEL	N/A
DMI-F45 FMT-150	NORTEL	N/A

Description	Manufacturer	Model #
CARD CAGE FMT-150	NORTEL	N/A
CARD CAGE FMT-150	NORTEL	N/A
CARD CAGE FMT-150	NORTEL	N/A
CARD CAGE FMT-150B	NORTEL	N/A
CARD CAGE FMT-150B	NORTEL	N/A
REMOTE ACCESS DEVICE	NORTEL	N/A
NETWORK CARD	NORTEL	N/A
DIGITAL VOICE ANNOUNCER	NORTEL	N/A
CONF/TDS	NORTEL	N/A
DIGITAL VOICE ANNOUNCER	NORTEL	N/A
DIGITAL VOICE ANNOUNCER	NORTEL	N/A
DIGITAL VOICE ANNOUNCER	NORTEL	N/A
COMPANION REMOTE POWER INTERCONNECT	NORTEL	N/A
COMPANION REMOTE POWER INTERCONNECT	NORTEL	N/A
NETWORK CARD	NORTEL	N/A
CONF/TDS CARD	NORTEL	N/A
NET CARD	NORTEL	N/A
FAST REMOTE ACCESS DEVICE	NORTEL	N/A
E NET CARD	NORTEL	N/A
IGS	NORTEL	N/A
CONF/TDS	NORTEL	N/A
ENET	NORTEL	N/A
FNET	NORTEL	N/A
FIBER LASER CARD	NORTEL	N/A
FIBER LASER CARD	NORTEL	N/A
NET	NORTEL	N/A
QSDI CARD	NORTEL	N/A
N/A	NORTEL	N/A
DUAL PRI CARD	NORTEL	N/A
PRI CARD	NORTEL	N/A
PRI CARD	NORTEL	N/A
PRI CARD	NORTEL	N/A
PRI CARD	NORTEL	N/A

Description	Manufacturer	Model #
PRI CARD	NORTEL	N/A
DCHI	NORTEL	N/A
CONF/TDS	NORTEL	N/A
ENET	NORTEL	N/A
NET	NORTEL	N/A
DUAL PRI CARD	NORTEL	N/A
CARD CAGE FMT-150	NORTEL	N/A
CONF/TDS	NORTEL	N/A
NET	NORTEL	N/A
MSDL	NORTEL	N/A
CONF/TDS	NORTEL	N/A
CONF/TDS	NORTEL	N/A
CONF/TDS	NORTEL	N/A
NET	NORTEL	N/A
IGS	NORTEL	N/A
CONF/TDS	NORTEL	N/A
3PE	NORTEL	N/A
CONF CARD	NORTEL	N/A
CONF/TDS CARD	NORTEL	N/A
3 PE CARD	NORTEL	N/A
FNET CARD	NORTEL	N/A
FIBER LASER CARD	NORTEL	N/A
FIBER LASER CARD	NORTEL	N/A
DUAL PRI CARD	NORTEL	N/A
MSDL	NORTEL	N/A
CONF/TDS	NORTEL	N/A
BAYSTACK ETHERNET SA NETWORK MGMNT	NORTEL	N/A
CARD CAGE FMT-150	NORTEL	N/A
D5000 12 PORT 10 BASE W/SECURITY	NORTEL	5DN308PS
BAYSTACK 102 10 BASE-FL MDA	NORTEL	N/A
POWER SUPPLY FOR CENTILLAR 100	NORTEL	N/A
POWER SUPPLY FOR CENTILLIAR 100	NORTEL	N/A
BAYSTACK 102 10 BASE T HUB 24 PORTS	NORTEL	102

Description	Manufacturer	Model #
BAYSTACK 10 BASE FL MDA FOR 10 MB HUB	NORTEL	N/A
6 PORTS 10 BASE-T + 1MM FIBER TEST	NORTEL	5DN378P-F
BAYSTACK 10 BASE FL MDA FOR 10 MB HUB	NORTEL	N/A
BAYSTACK 400-2FX 2 POST 100 BASE-FX MDA	NORTEL	N/A
5000 CHASSIS 24 PORT 10 BASE T HOST MODULE	NORTEL	5308PS
5000 CHASSIS 24 PORT T BASE MODULE	NORTEL	5308PS
5000 CHASSIS POWER SUPPLY	NORTEL	5001
5000 CHASSIS POWER SUPPLY	NORTEL	5001
BAYSTACK 400 2FX 2 PORT 100 BASE FX MDA	NORTEL	4002FX
MERIDIAN PHONE	NORTEL	N/A
620 WATT POWER SUPPLY BCN/BLN	NORTEL	N/A
620 WATT POWER SUPPLY BCN/BLN	NORTEL	N/A
BAYSTACK ETHERNET SA NETWORK MGMNT	NORTEL	N/A
5DN378P 12 PORTS 10 BASE T W/SECURITY	NORTEL	5DN378P-F
POWER SUPPLY FOR CENTILLAR 100	NORTEL	N/A
POWER SUPPLY FOR CENTILLAR 100	NORTEL	N/A
TOKEN RING NMM	NORTEL	TOKEN RING NMM
TOKEN RING HOST	NORTEL	TOKEN RING
D5000 12 PORT 10 BASE-T W/SECURITY	NORTEL	5DN308PS
5308-AF 16 PORT + 1MM ETHERNET HOST	NORTEL	5308-F
POWER SUPPLY FOR CENTILLIAR 100	NORTEL	N/A
D500 12 PORT 10 BASE-T W/SECURITY	NORTEL	5DN308PS
5DN308P-F 6X 10 BASE T W/SECURITY	NORTEL	N/A
RPSU	NORTEL	N/A
ETHERNET NETWORK MEMNT MODULE W/DCE	NORTEL	5310A/SA
QUAD CLUSTER ETHERNET HOST & 16 PORTS	NORTEL	5378-F
D500 12 PORT 10 BASE T HOST MODULE	NORTEL	5DN308PS
BAYSTACK 400-2FX 2 PORT 100 BASE FX MDA	NORTEL	5DN003A
BAYSTACK 504 TOKEN DUAL FIBER MDA	NORTEL	N/A
BAYSTACK 450-24 +10/100 AUTOSENSE SWITCH	NORTEL	N/A
BAYSTACK 450-24+10/100 AUTOSENSE SWITCH	NORTEL	N/A
BAYSTACK 450-24+ 10/100 AUTOSENSE SWITCH	NORTEL	N/A
POWER SUPPLY FOR CENTILLIAR 100	NORTEL	N/A

Description	Manufacturer	Model #
BAYSTACK 102 10 BASE T HUB 24 PORTS	NORTEL	102
D5000 3 PORT 10 BASE FL HOST MODULE	NORTEL	5DN304P
D5000 NETWORK MGMNT W/ADV.ANALYZER	NORTEL	5DN310
D5000 3PORT 10 BASE-FL HOST MODULE	NORTEL	5DN304P
D5000 NETWORK MGMNT MODULE	NORTEL	5DN3105A
D5000 NETWORK MGMNT W/ ADV ANALYZER	NORTEL	5DN310
D5000 NETWORK MGMNT W/ADV ANALYZER	NORTEL	5DN310
D5000 3 PORT 10 BASE FL MODULE	NORTEL	5DN304P
620 WATT POWER SUPPLY	NORTEL	N/A
LATTISHUB 10 BASE T WGC	NORTEL	2804
BAY STACK 450-24T 10/100 AUTOSENSE SWITCH	NORTEL	450-24T
5DN304P	NORTEL	N/A
5DN304P	NORTEL	N/A
5000 CHASSIS	NORTEL	N/A
5000NT CHASSIS	NORTEL	N/A
PE MODULE	NORTEL	N/A
KEY SYSTEM CAGE	NORTEL	N/A
M8X24-DS	NORTEL	N/A
CARD CAGE FMT-150B	NORTEL	N/A
D5000 NETWORK MGMNT W/ADV ANALYZER	NORTEL	5DN310
ETHER HUB	NORTEL	D5000
FIBER LASER CARD	NORTEL	N/A
RPSU	NORTEL	N/A
RPSU	NORTEL	N/A
RPSU	NORTEL	N/A
RPSU	NORTEL	N/A
ETHER HUB	NORTEL	D5000
D5000	NORTEL	D5000
ETHER HUB	NORTEL	D5000
101 NMM BAYSTACK ETHER	NORTEL	N/A
RPSU	NORTEL	N/A
BAYSTACK 450-24T 10/100 AUTOSENSE SWITCH	NORTEL	N/A
ETHER HUB	NORTEL	D5000

Description	Manufacturer	Model #
RPSU	NORTEL	N/A
RPSU	NORTEL	N/A
ETHER HUB	NORTEL	D5000
24 POSITION PATCH PANEL	NORTEL	N/A
RPSU	NORTEL	N/A
ETHER HUB	NORTEL	D5000
620 WATT POWER SUPPLY (BCN/BLN)	NORTEL	N/A
ETHER HUB	NORTEL	D5000
ANALOG CARD	NORTEL	NT8D09BA
ENET	NORTEL	N/A
MPR25	NORTEL	NT55C06CC
ANALOG CARD	NORTEL	NT8D09BA
ANALOG CARD	NORTEL	NT8D09BA
ANALOG CARD	NORTEL	NT8D09BA
ANALOG CARD	NORTEL	NT8D09BA
ANALOG CARD	NORTEL	NT8D09BA
MFA-150 POWER RECTIFIER	NORTEL	NT5G06CC
ANALOG CARD	NORTEL	NT8D09BA
BASE STATION	NORTEL	
ANALOG CARD	NORTEL	NT8D09BA
ANALOG CARD	NORTEL	NT8D09BA
ANALOG CARD	NORTEL	NT8D09BA
ANALOG CARD	NORTEL	NT8D09BA
ANALOG CARD	NORTEL	NT8D09BA
DIGITAL PHONE	NORTEL	NT9K08AA35
DIGITAL PHONE	NORTEL	NT9K08AA35
DIGITAL PHONE	NORTEL	NT9K08AC35
ANALOG CARD	NORTEL	NT8D09BA
MICB CARD	NORTEL	N/A
F NET	NORTEL	N/A
E NET	NORTEL	N/A
E NET	NORTEL	N/A
F NET	NORTEL	N/A

Description	Manufacturer	Model #
QSDI CARD	NORTEL	N/A
FIBER LASER CARD	NORTEL	N/A
FIBER LASER CARD	NORTEL	N/A
MFA-150 POWER RECTIFIER	NORTEL	NT5G06CC
FIBER LASER CARD	NORTEL	N/A
DIGITAL PHONE	NORTEL	NT9K16AC35
MEDIA CONVERTER	NORTEL	400-2FX MDA
BAYSTACK SWITCH	NORTEL	400-2FX MDA
MEDIA CONVERTER	NORTEL	400-2FX MDA
MEDIA CONVERTER	NORTEL	400-2FX MDA
M2008 BASIC	NORTEL	NT9K08AA35
M2008 BASIC	NORTEL	NT9K08AA35
M2008 BASIC	NORTEL	NT9K08AA35
M2616 DISPLAY	NORTEL	M2616 DISP ASH
FIBER LASER CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	NT8D09BA
DIGITAL LINE CARD	NORTEL	NT8D02GA
POWER RECTIFIER MFA150	NORTEL	NT5C06CC
M2008 DISP/HF/ASH	NORTEL	NT9K08AD35
M2008 DISP/HF/ASH	NORTEL	NT9K08AD35
M2008 DISP/HF/ASH	NORTEL	NT9K08AD35
M2008 DISP/HF/ASH	NORTEL	NT9K08AD35
COMPANION PHONE	NORTEL	C3060
DIGITAL PHONE	NORTEL	NT9K08AC35
COMPANION PHONE	NORTEL	C3060
M2008 HF/ASH	NORTEL	NT9K08AB35
M2616 DISPLAY	NORTEL	NT9K16AC35
M2008 DISP/HF/ASH	NORTEL	NT9K08AD35
M2616 DISPLAY	NORTEL	NT9K16AC35
ELECTRICA-INTERFACE PACKET	NORTEL	NT1P63CA
M2616 DISPLAY	NORTEL	NT9K16AC35
M2616 DISPLAY	NORTEL	NT2K16GH35
OCU-DP MODULE	NORTEL	90-123-02

Description	Manufacturer	Model #
OCU-DP MODULE	NORTEL	90-1231-02
COMPANION PHONE	NORTEL	C3060
M7310 BLACK	NORTEL	NT8B20AA-03
FIBER LASER CARD	NORTEL	N/A
DIGITAL PHONE	NORTEL	NT9K16AC35
DIGITAL PHONE	NORTEL	NT9K16AC35
UNIVERSAL TRK CARD	NORTEL	NT8D14BB
ANALOG LINE CARD	NORTEL	NT8D09BA
M2008 BASIC/ASH	NORTEL	NT9K08AA35
M2008 BASIC/ASH	NORTEL	NT9K08AA35
M2008 HANDSFREE DISPLAY	NORTEL	NT9K08AD35
DIGITAL LINE CARD	NORTEL	NT8D02GA
M2008 DISP/HF/ASH	NORTEL	NT9K08AD35
M2008 HF/ASH	NORTEL	NT9K08AB35
M2008 HF/ASH	NORTEL	NT9K08AB35
M2008 HF/ASH	NORTEL	NT9K08AB35
M2008 HF/ASH	NORTEL	NT9K08AB35
M2008 HF/ASH	NORTEL	NT9K08AB35
M2008 HF/ASH	NORTEL	NT9K08AB35
M2008 HF/ASH	NORTEL	NT9K08AB35
M2008 HF/ASH	NORTEL	NT9K08AB35
DIGITAL PHONE	NORTEL	NT9K08AC35
M2008 HANDSFREE DISPLAY	NORTEL	NT9K08AD35
NET	NORTEL	N/A
PRI CARD	NORTEL	N/A
MICB	NORTEL	N/A
3 PE	NORTEL	N/A
3PE	NORTEL	N/A
IGS	NORTEL	N/A
IGS	NORTEL	N/A
CONF/TDS	NORTEL	N/A
ENET	NORTEL	N/A
NET	NORTEL	N/A

Description	Manufacturer	Model #
PRI CARD	NORTEL	N/A
QSDI	NORTEL	N/A
CC CARD	NORTEL	N/A
NET CARD	NORTEL	N/A
FNET	NORTEL	N/A
FIBER LASER CARD	NORTEL	N/A
FIBER LASER CARD	NORTEL	N/A
DUAL PLI	NORTEL	N/A
MSDL CARD	NORTEL	N/A
E NET	NORTEL	N/A
MSDL	NORTEL	N/A
C-100 4 PORT STP/UTP TOEKN SPEED	NORTEL	N/A
MSDL	NORTEL	N/A
3PE	NORTEL	N/A
IGS	NORTEL	N/A
IGS	NORTEL	N/A
CONF/TDS	NORTEL	N/A
E NET	NORTEL	N/A
F NET	NORTEL	N/A
PRI CARD	NORTEL	N/A
FIBER LASER CARD	NORTEL	N/A
PRI CARD	NORTEL	N/A
QSDI	NORTEL	N/A
PRI CARD	NORTEL	N/A
PRI CARD	NORTEL	N/A
PRI CARD	NORTEL	N/A
PRI CARD	NORTEL	N/A
PRI CARD	NORTEL	N/A
PRI CARD	NORTEL	N/A
CONF/TDS	NORTEL	N/A
FIBER LASER CARD	NORTEL	N/A
3 PE	NORTEL	N/A
3 PE CARD	NORTEL	N/A

Description	Manufacturer	Model #
3-PE CARD	NORTEL	N/A
CONF/TDS	NORTEL	N/A
E NET CARD	NORTEL	N/A
F- NET CARD	NORTEL	N/A
FIBER LASER CARD	NORTEL	N/A
FIBER LASER CARD	NORTEL	N/A
DUAL PLI	NORTEL	N/A
DUAL PRI	NORTEL	N/A
FIBER LASER CARD	NORTEL	N/A
CONF/ TDS	NORTEL	N/A
DUAL PII	NORTEL	N/A
NET CARD	NORTEL	N/A
F NET	NORTEL	N/A
FIBER LASER CARD	NORTEL	N/A
FIBER LASER CARD	NORTEL	N/A
F NET	NORTEL	N/A
FIBER LASER CARD	NORTEL	N/A
PRI CARD	NORTEL	N/A
F NET CARD	NORTEL	N/A
IGS	NORTEL	N/A
3PE	NORTEL	N/A
CC CARD	NORTEL	N/A
3 PE CARD	NORTEL	N/A
3-PE	NORTEL	N/A
IGS CARD	NORTEL	N/A
IGS CARD	NORTEL	N/A
PERIPHERAL SNLG	NORTEL	N/A
F NET CARD	NORTEL	N/A
E NET CARD	NORTEL	N/A
MSDL CARD	NORTEL	N/A
FIBER LASER CARD	NORTEL	N/A
LASER FIBER CARD	NORTEL	N/A
NET CARD	NORTEL	N/A

NXT 5566

PSC 7229

Descriptions	Manufacturer	Model #
3PE	NORTEL	N/A
IGS	NORTEL	N/A
CONF/TDS	NORTEL	N/A
FIBER LASER CARD	NORTEL	N/A
FIBER LASER CARD	NORTEL	N/A
CONF/TPS	NORTEL	N/A
5000 CHASSIS	NORTEL	N/A
20 PORT TOKEN RING HOST	NORTEL	N/A
100 BASE - TX HOST	NORTEL	N/A
5000 CHASSIS	NORTEL	N/A
ATM MCP MDA Host	NORTEL	N/A
100 BASE - TX HOST	NORTEL	N/A
100 BASE - TX HOST	NORTEL	N/A
100 BASE - TX HOST	NORTEL	N/A
100 BASE - TX HOST	NORTEL	N/A
10/100 ETHERNET SWITCH	NORTEL	N/A
100 BASE - TX HOST	NORTEL	N/A
TOKEN RING NMM	NORTEL	N/A
20 PORT TOKEN RING HOST	NORTEL	N/A
20 PORT TOKEN RING HOST	NORTEL	N/A
20 PORT TOKEN RING HOST	NORTEL	N/A
20 PORT TOKEN RING HOST	NORTEL	N/A
20 PORT TOKEN RING HOST	NORTEL	N/A
20 PORT TOKEN RING HOST	NORTEL	N/A
20 PORT TOKEN RING HOST	NORTEL	N/A
100 BASE - TX HOST	NORTEL	N/A
10/100 ETHERNET SWITCH	NORTEL	N/A
100 BASE - TX HOST	NORTEL	N/A
100 BASE - TX HOST	NORTEL	N/A
100 BASE - TX HOST	NORTEL	N/A
100 BASE - TX HOST	NORTEL	N/A
10/100 ETHERNET SWITCH	NORTEL	N/A
5000 CHASSIS	NORTEL	N/A

NXT 5567

PSC 7230

Description	Manufacturer	Model #
ATM MCP MDA HOST	NORTEL	N/A
100 BASE - TX HOST	NORTEL	N/A
10/100 ETHERNET SWITCH	NORTEL	N/A
TOKENSPEED	NORTEL	N/A
5000 CHASSIS	NORTEL	N/A
TOKEN RING NMM	NORTEL	N/A
20 PORT TOKEN RING HOST	NORTEL	N/A
20 Port TOKEN RING HOST	NORTEL	N/A
20 Port TOKEN RING HOST	NORTEL	N/A
20 Port TOKEN RING HOST	NORTEL	N/A
5000 CHASSIS	NORTEL	N/A
ATM MCP MDA Host	NORTEL	N/A
10/100 ETHERNET SWITCH	NORTEL	N/A
12 PORT ETHERNET HUB CARD	NORTEL	N/A
TOKEN RING NMM	NORTEL	N/A
ATM MCP MDA HOST	NORTEL	N/A
10/100 ETHERNET SWITCH	NORTEL	N/A
10/100 ETHERNET SWITCH	NORTEL	N/A
20 PORT TOKEN RING HOST	NORTEL	N/A
20 PORT TOKEN RING HOST	NORTEL	N/A
20 PORT TOKEN RING HOST	NORTEL	N/A
ATM SPEED /155 NC	NORTEL	N/A
12 PORT ETHERNET HUB CARD	NORTEL	N/A
20 PORT TOKEN RING HOST	NORTEL	N/A
12 PORT ETHERNET HUB CARD	NORTEL	N/A
SUPERVISOR MODULE	NORTEL	N/A
SYNOPTICS 2715SA-F	NORTEL	N/A
11 PORT TOKEN RING	NORTEL	N/A
5000NT CHASSIS	NORTEL	N/A
TOKEN RING NMM	NORTEL	N/A
11 PORT TOKEN RING	NORTEL	N/A
2 PORT ATM SPEED 155 SMF	NORTEL	N/A
TOKEN RING NMM	NORTEL	N/A

Description	Manufacturer	Model #
ETHERNET NMM	NORTEL	N/A
POWER CARD	NORTEL	N/A
TOKENSPEED	NORTEL	N/A
ETHERSPEED 10/100	NORTEL	N/A
ATM Speed /155S	NORTEL	N/A
CENTILLION POWER SUPPLY	NORTEL	N/A
CENTILLION POWER SUPPLY	NORTEL	N/A
ATM SWITCH MCP	NORTEL	N/A
10/100 ETHERNET SWITCH	NORTEL	N/A
11 PORT TOKEN RING HOST	NORTEL	N/A
10/100 ETHERNET SWITCH	NORTEL	N/A
20 PORT TOKEN RING HOST	NORTEL	N/A
20 PORT TOKEN RING HOST	NORTEL	N/A
20 PORT TOKEN RING HOST	NORTEL	N/A
20 PORT TOKEN RING HOST	NORTEL	N/A
ATM MCP MDA Host	NORTEL	N/A
10/100 ETHERNET SWITCH	NORTEL	N/A
10/100 ETHERNET SWITCH	NORTEL	N/A
20 PORT TOKEN RING HOST	NORTEL	N/A
ETHERSPEED 10/100	NORTEL	N/A
10/100 ETHERNET SWITCH	NORTEL	N/A
DS1 STBY FMT-150B	NORTEL	N/A
LB02	NORTEL	N/A
LB03	NORTEL	N/A
LB04 FMT-150B	NORTEL	N/A
LB05 FMT-150B	NORTEL	N/A
LB06 FMT-150B	NORTEL	N/A
LB07 FMT-160B	NORTEL	N/A
HSLB0 FMT-150B	NORTEL	N/A
TR1B FMT-150B	NORTEL	N/A
DS3B FMT-150B	NORTEL	N/A
POWER CARD	NORTEL	N/A
GR1 FMT-150B	NORTEL	N/A

Description	Manufacturer	Model #
GR2 FMT-150B	NORTEL	N/A
GR3 FMT-150B	NORTEL	N/A
GR4 FMT-150B	NORTEL	N/A
GR5 FMT-150B	NORTEL	N/A
GR6 FMT-150B	NORTEL	N/A
GR7 FMT-150B	NORTEL	N/A
ATM MCP MDA HOST	NORTEL	N/A
DS3A FMT-150B	NORTEL	N/A
POWER CARD	NORTEL	N/A
POWER CARD FMT-150	NORTEL	N/A
POWER CARD FMT-150	NORTEL	N/A
POWER	NORTEL	N/A
POWER	NORTEL	N/A
DS3 LB0 FMT 150	NORTEL	N/A
DS3A	NORTEL	N/A
DS3B	NORTEL	N/A
MCU	NORTEL	N/A
LB01	NORTEL	N/A
POWER CARD	NORTEL	N/A
POWER CARD	NORTEL	N/A
POWER CARD	NORTEL	N/A
LB03	NORTEL	N/A
DS3A	NORTEL	N/A
DS3B	NORTEL	N/A
MCU	NORTEL	N/A
POWER CARD	NORTEL	N/A
POWER CARD	NORTEL	N/A
E/OA FMT-150B	NORTEL	N/A
POWER CARD	NORTEL	N/A
DSISTBY	NORTEL	N/A
POWER CORD	NORTEL	N/A
POWER CARD	NORTEL	N/A
POWERCARD	NORTEL	N/A

Description	Manufacturer	Model #
POWER CARD	NORTEL	N/A
LB01	NORTEL	N/A
LB02	NORTEL	N/A
HSLBO	NORTEL	N/A
TR1A FMT-150B	NORTEL	N/A
DS3B	NORTEL	N/A
E/OA	NORTEL	N/A
GRI	NORTEL	N/A
GR2	NORTEL	N/A
TRIA	NORTEL	N/A
TRIB	NORTEL	N/A
E/OA	NORTEL	N/A
E/OB	NORTEL	N/A
MCU	NORTEL	N/A
20 PORT TOKEN RING HOST	NORTEL	N/A
DS3A	NORTEL	N/A
DS3A	NORTEL	N/A
E/OB FMT-150B	NORTEL	N/A
MCU FMT-150B	NORTEL	N/A
POWER CARD FMT-150B	NORTEL	N/A
POWER CARD FMT-150B	NORTEL	N/A
POWER CARD	NORTEL	N/A
POWER CARD	NORTEL	N/A
LB01	NORTEL	N/A
LB02	NORTEL	N/A
MCU	NORTEL	N/A
HSLBO	NORTEL	N/A
E/OB	NORTEL	N/A
DS3B	NORTEL	N/A
DSI STBY	NORTEL	N/A
GR1	NORTEL	N/A
GR2	NORTEL	N/A
GR3	NORTEL	N/A

Description	Manufacturer	Model #
TR1A	NORTEL	N/A
TR1B	NORTEL	N/A
POWERCARD	NORTEL	N/A
LB03	NORTEL	N/A
TOKENSPEED 4 PORT AUI/UTP	NORTEL	N/A
20 PORT TOKEN RING HOST	NORTEL	N/A
ARE SONET/SDH	NORTEL	N/A
620 WATT POWER SUPPLY (BCN/BLN)	NORTEL	N/A
620 WATT POWER SUPPLY (BCN/BLN)	NORTEL	N/A
620 WATT POWER SUPPLY (BCN/BLN)	NORTEL	N/A
620 WATT POWER SUPPLY (BCN/BLN)	NORTEL	N/A
ATNSPEED/155 NC MMF	NORTEL	N/A
SRML	NORTEL	75010
TOKENSPEED 4 PORT S/T FIBER	NORTEL	N/A
SYNC	NORTEL	5280
TOKENSPEED 4 PORT AUI/UTP	NORTEL	N/A
ATMSPEED/155S 2 PORT SMF	NORTEL	N/A
POWER SUPPLY C-100	NORTEL	N/A
POWER SUPPLY C-100	NORTEL	N/A
ETHER NMM	NORTEL	5310A/SA
ETHER HOST 24 PORT	NORTEL	5308P
ETHER HOST CLUSTER	NORTEL	5378-F
TOKEN RING HOST 20 PORT	NORTEL	5505P
ETHERSPEED 10/100 10 PORT	NORTEL	N/A
N/A	NORTEL	N/A
3 PORT FIBER/UTP MODULE	NORTEL	5DN378P-F
3 PORT FIBER MODULE	NORTEL	5DN304P
ETHER AUI/UTP 6 PORT MODULE	NORTEL	5DN378P-A
ETHER FIBER/UTP MODULE	NORTEL	5DN378P-F
MDA 2 PORT 450	NORTEL	400-2FX
ETHER 12 PORT MODULE	NORTEL	5DN308PS
ETHER 12 PORT MODULE	NORTEL	5DN308PS
QTOK	NORTEL	50021

Description	Manufacturer	Model #
N/A	NORTEL	N/A
TOKEN RING HOST CLUSTER	NORTEL	5575-C
N/A	NORTEL	N/A
N/A	NORTEL	N/A
N/A	NORTEL	N/A
N/A	NORTEL	N/A
N/A	NORTEL	N/A
ESAF-4	NORTEL	5431
ARE SONET/SDH SMF	NORTEL	N/A
ARE SONET/SDH SMF	NORTEL	N/A
ETHER 3 PORT FIBER	NORTEL	5DN304P
5505 T.RING HOST	NORTEL	5505 T.RING HOST
5625 24 PORT 10/100 AUTOSENSE ETHERNET	NORTEL	5625
5000 CHASSIS 24 PORT 10 BASE T HOST	NORTEL	5308PS
16 PORT +1MM FIBER ETHERNET HOST	NORTEL	5308-AF
QUAD CLUSTER ETHERNET HOST + 16 PORTS	NORTEL	5378-F
TOKEN RING HOST	NORTEL	TOKEN RING
TOKEN RING NMM	NORTEL	TOKEN RING NMM
D5000 12 PORT 10 BASE T W/SECURITY	NORTEL	5DN308PS
TOKEN RING HOST 20 PORT	NORTEL	5505PS
5510 TOKEN RING	NORTEL	5510 T. RING
5505PS 20 PORT STP/UTP TOKEN RING HOST	NORTEL	5505PS
5505P T RING HOST	NORTEL	5505P T.RING
5505-P T.RING HOST	NORTEL	5505-P T.RING
5000 CHASSIS 24 PORT 10 BASE T HOST MODULE	NORTEL	5308PS
5000 CHASSIA ETHERNET NETWORK MGMNT W/DCE	NORTEL	5310A/SA
C-100 4 PORT STP/UTP TOKEN SPEED	NORTEL	ATM/155
C-100 4 PORT STP/UTP TOKEN SPEED	NORTEL	N/A
C-100 4 PORT STP/UTP TOKEN SPED	NORTEL	N/A
FIBER I/F	NORTEL	N/A
BAYSTACK 400-2FX 2 PORT 100 BASE FX MDA	NORTEL	400-2FX
5510 TOKEN RING NMM	NORTEL	5510
ETHER 12 PORT MODULE	NORTEL	5DN308PS

Description	Manufacturer	Model #
TOKEN RING HOST 20 PORT	NORTEL	5505PS
TOKEN RING HOST 20 PORT	NORTEL	5505PS
TOKEN RING NMM	NORTEL	5510
ATM MCP MDA HOST	NORTEL	5720M
ETHER SWITCH 24 PORT	NORTEL	5625
ETHER SWITCH 24 PORT	NORTEL	5625
3 PORT FIBER	NORTEL	5DN304P
5724M 4 PORT ATM MCP SONET OC-3	NORTEL	5724M
MDA	NORTEL	400-2FX
5575-F DUAL REPEATHER CLUSTER TOKEN RINNG	NORTEL	5575-F
TOKEN RING HOST	NORTEL	TOKEN RING
TOKEN RING HOST	NORTEL	5505P
POWER SUPPLY FOR CENTILLIAR 100	NORTEL	N/A
POWER SUPPLY FOR CETILLAR 100	NORTEL	N/A
QUAD CLUSTER ETHERNET HOST + 16 PORTS	NORTEL	5378-F
D5000 3 PORT 10 BASE FL HOST MODULE	NORTEL	5DN304P
D5000 12 PORT 10 BASE T W/SECURITY	NORTEL	5DN308PS
TOKEN RING NMM	NORTEL	5510
ETHER 12 PORT MODULE	NORTEL	5DN308PS
ETHER SWITCH 20 PORT	NORTEL	5328
D100BT LMI (BCN/BLN)	NORTEL	N/A
SRML (BCN/BLN)	NORTEL	N/A
FRE (BCN/BLN)	NORTEL	N/A
FRE (BCN/BLN)	NORTEL	N/A
SRML (BCM/BLN)	NORTEL	N/A
ETHER NMM	NORTEL	5310A/SA
ATM MCP 4 PORT MDA	NORTEL	5724M
ETHER CLUSTER CONTROLLER	NORTEL	5378-F
ETHER SWITCH 20 PORT	NORTEL	5328
ATM MCP 4 PORT MDA	NORTEL	5724M
ETHER SWITCH 20 PORT	NORTEL	5328
CLUSTER CONTROLLER	NORTEL	5378-F
ETHER SWITCH 20 PORT	NORTEL	5328

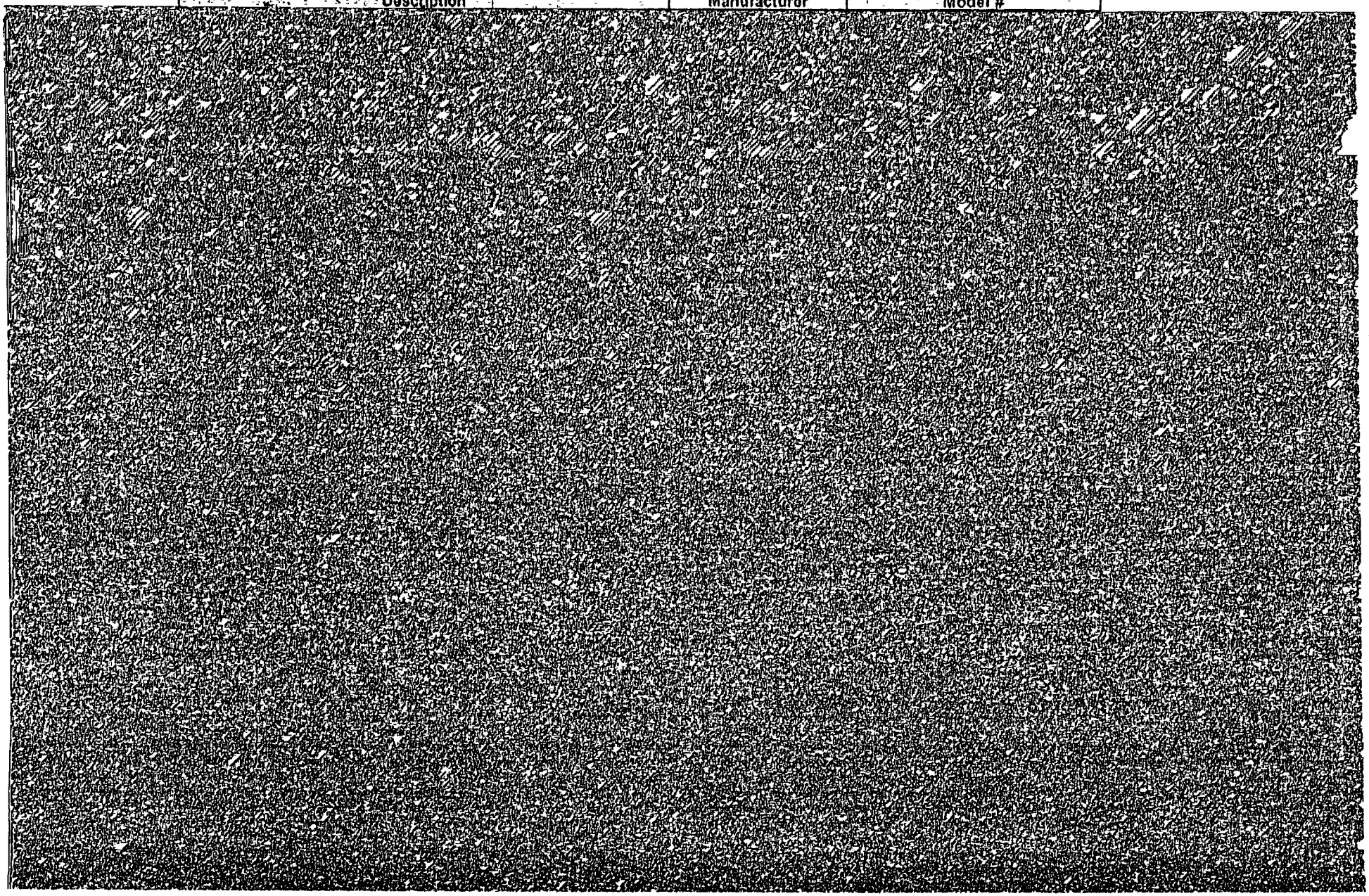
Description	Manufacturer	Model #
TOKEN RING NMM	NORTEL	5510
TOKEN RING HOST	NORTEL	5505P
TOKEN RING HOST	NORTEL	5575-F
ATM MCP 2 PORT MDA	NORTEL	5720M
3 PORT FIBER MODULE	NORTEL	5DN304P
ETHER SWITCH 24 PORT	NORTEL	5625
24 PORT ETHER SWITCH	NORTEL	5328HD
20 PORT TOKEN RING HOST	NORTEL	N/A
SUPERVISOR MODULE	NORTEL	N/A
5000 POWER SUPPLY	NORTEL	N/A
5000 POWER SUPPLY	NORTEL	N/A
D5000	NORTEL	N/A
D5000 SUPERVISORY MODULE	NORTEL	N/A
D5000 3 PORT FIBER MODULE	NORTEL	N/A
5000 CHASSIS	NORTEL	5000NT
ARE SONET/SDH LMI (BCN/BLN)	NORTEL	N/A
24 PORT ETHER SWITCH	NORTEL	5625
24 PORT ETHER SWITCH	NORTEL	5625
SUPERVISORY MODULE	NORTEL	5110
ARE SONET/SDH-LMI	NORTEL	N/A
D100BT-LMI	NORTEL	N/A
SRML	NORTEL	N/A
N/A	NORTEL	N/A
N/A	NORTEL	N/A
N/A	NORTEL	N/A
ETHER HOST	NORTEL	5308PS
ATM MCP 4 PORT MDA	NORTEL	5724M
400-2FX MDA	NORTEL	400-2FX
TOKEN RING HOST	NORTEL	5575-F
TOKEN RING HOST	NORTEL	5505P
ETHER HOST	NORTEL	5378-F
ETHER NMM	NORTEL	5310A/SA
ETHER HOST	NORTEL	5378-F

Description	Manufacturer	Model #
MDA 2 PORT 450	NORTEL	N/A
3 PORT FIBER MODULE	NORTEL	5DN304P
ETHER SWITCH	NORTEL	5328
MDA 2 PORT 450	NORTEL	400-2FX
TOKEN RING HOST	NORTEL	5505P
ETHER FIBER MODULE	NORTEL	5DN378P-F
ETHER FIBER MODULE	NORTEL	N/A
3 PORT FIBER MODULE	NORTEL	5DN304P
ETHER 12 PORT MODULE	NORTEL	5DN308PS
MDA 2 PORT 450	NORTEL	400-2FX
MDA 2 PORT 450	NORTEL	400-2FX
3 PORT FIBER MODULE	NORTEL	5DN304P
C-100 4 PORT STP/UTP TOKEN SPEED	NORTEL	N/A
ETHER HOST MODULE 12 PORT	NORTEL	5DN308PS
MDA 2 PORT 450	NORTEL	400-2FX
ETHER NMM	NORTEL	5310A/SA
3 PORT FIBER MODULE	NORTEL	5DN304P
12 PORT UTP MODULE	NORTEL	5DN308PS
12 PORT UTP MODULE	NORTEL	5DN308PS
ETHER 12 PORT MODULE	NORTEL	5DN304PS
ETHER 3 PORT FIBER	NORTEL	5DN304P
MDA 2 PORT 450	NORTEL	400-2FX
MDA - 2 PORT 450	NORTEL	400-2FX
TOKEN RING NMM	NORTEL	5510
MDA - 2 PORT 450	NORTEL	400-2FX
MDA 2 PORT 450	NORTEL	400-2FX
TOKEN RING NMM	NORTEL	5510
TOKEN RING CLUSTER	NORTEL	5575A-F
RPSU	NORTEL	400-2FX
MDA 2 PORT 450	NORTEL	400-2FX
TOKEN RING NMM	NORTEL	5510
TOKEN RING HOST	NORTEL	5575C
TOKEN RING HOST	NORTEL	5505P

MDAD Fixed Assets

3/21/2003

Description	Manufacturer	Model #



Description	Manufacturer	Model #
M2008 HANDSFREE	NORTEL	M2008 HF
DIGITAL	NORTEL	M8004
DIGITAL PHONE	NORTEL	M2008HFASH
10/100 ENET SWITCH	NORTEL	5625 10/100
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL PHONE	NORTEL	M2008BASIC
ELEVATOR PHONE	NORTEL	SS911/AN912
DIGITAL PHONE	NORTEL	M2008HF
DIGITAL PHONE	NORTEL	M8004
DIGITAL PHONE	NORTEL	M2008HF
DIGITAL PHONE	NORTEL	M8004
DIGITAL PHONE	NORTEL	M8004
DIGITAL PHONE	NORTEL	M8004
DIGITAL PHONE	NORTEL	M8004
DIGITAL PHONE	NORTEL	M8004
DIIGITAL PHONE	NORTEL	M8004
DIGITAL PHONE	NORTEL	M8004
DIGITAL PHONE	NORTEL	M2008BASIC
M2008 DISPLAY	NORTEL	M2008
DIGITAL PHONE	NORTEL	M2616DISPASH
DIGITAL PHONE	NORTEL	M2616DISPASH
DIGITAL PHONE	NORTEL	M2616DISPASH
DIGITAL PHONE	NORTEL	M2616DISPASH
DIGITAL PHONE	NORTEL	M2616BASIC
DIGITAL PHONE	NORTEL	M2008BASIC
DIGITAL PHONE	NORTEL	M7310ASH
DIGITAL PHONE	NORTEL	M2008BASIC
DIGITAL PHONE	NORTEL	M2008BASIC
DIGITAL PHONE	NORTEL	M2008BASIC
DIGITAL PHONE	NORTEL	M2616BASIC
DIGITAL PHONE	NORTEL	M2008HF
DIGITAL PHONE	NORTEL	M2008HF
DIGITAL PHONE	NORTEL	M2616DISPASH

Description	Manufacturer	Model #
ANALOG LINE CARD	NORTEL	N/A
DIGITAL PHONE	NORTEL	M2008BASIC
DIGITAL PHONE	NORTEL	M2616BASICASH
DIGITAL PHONE	NORTEL	M2616BASICASH
DIGITAL PHONE	NORTEL	M2616BASICASH
DIGITAL PHONE	NORTEL	M2616B ASH
DIGITAL PHONE	NORTEL	M2616BASICASH
DIGITAL LINE CARD	NORTEL	
DIGITAL PHONE	NORTEL	
DIGITAL PHONE	NORTEL	M200B BASIC
DIGITAL PHONE	NORTEL	M2616 BASIC
DIGITAL PHONE	NORTEL	M2616 BASIC
DIGITAL PHONE	NORTEL	M2616 BASIC
DIGITAL PHONE	NORTEL	M2616 BASIC
DIGITAL PHONE	NORTEL	M2008HF DISP
DIGITAL PHONE	NORTEL	M2616B ASH
ANALOG LINE CARD	NORTEL	N/A
DIGITAL PHONE	NORTEL	M7310 ASH
UNIVERSAL TRUNK	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
CONT-4	NORTEL	N/A
DIGITAL PHONE	NORTEL	M2616BASICASH
ANALOG M/W LINE CARD	NORTEL	N/A
DIGITAL PHONE	NORTEL	M2008HF ASH
ANALOG M/W LINE CARD	NORTEL	N/A
DIGITAL PHONE	NORTEL	M2008
DIGITAL PHONE	NORTEL	M2616DISPASH
M2800DISP ASH	NORTEL	M2800D
M2800DISP ASH	NORTEL	M2800D
M2800DISP ASH	NORTEL	M2800D
ANALOG LINE CARD	NORTEL	N/A
DIGITAL PHONE	NORTEL	M2616BASICASH

Description	Manufacturer	Model #
PERIPHERAL SNLG	NORTEL	N/A
DIGITAL PHONE	NORTEL	M2616BASICASH
DIGITAL PHONE	NORTEL	M2616BASICASH
DIGITAL PHONE	NORTEL	M2616BASICASH
DIGITAL PHONE	NORTEL	M2616BASICASH
DIGITAL PHONE	NORTEL	M2008HF ASH
DIGITAL PHONE	NORTEL	M2616BASICASH
CE POWER SUP	NORTEL	N/A
DIGITAL PHONE	NORTEL	M2616BASICBLACK
PRI	NORTEL	N/A
CE MODULE	NORTEL	N/A
CE POWER SUP	NORTEL	N/A
DIGITAL PHONE	NORTEL	M7310ASH
DIGITAL PHONE	NORTEL	M8004 CHARCOAL
DIGITAL PHONE	NORTEL	M2616BASICASH
DIGITAL PHONE	NORTEL	M2616BASICASH
DIGITAL PHONE	NORTEL	M2008BASIC
DIGITAL PHONE	NORTEL	M2008HF ASH
DIGITAL PHONE	NORTEL	M2008HF ASH
DIGITAL PHONE	NORTEL	M2008HF ASH
DIGITAL PHONE	NORTEL	M2008HFASH
DIGITAL PHONE	NORTEL	M2317 ASH
IGS	NORTEL	N/A
DIGITAL PHONE	NORTEL	M2616BASIC ASH
IGS	NORTEL	N/A
DIGITAL PHONE	NORTEL	M2616BASICASH
ANALOG LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
FAN UNIT	NORTEL	N/A
CE MODULE	NORTEL	N/A
DIGITAL PHONE	NORTEL	M2008HF ASH
DITITAL PHONE	NORTEL	M2317 ASH
DIGITAL PHONE	NORTEL	M2008HF ASH

Description	Manufacturer	Model #
M2008 HFB	NORTEL	M2008 HFB
DIGITAL PHONE	NORTEL	M2008BASIC BLK
DIGITAL PHONE	NORTEL	M2008HF DISP ASH
DIGITAL PHONE	NORTEL	M2008HF DISP ASH
DIGITAL PHONE	NORTEL	M2008HF DISP ASH
BAYSTACK SWITCH	NORTEL	450-12T
DIGITAL PHONE	NORTEL	M2008HF DISP ASH
DIGITAL PHONE	NORTEL	M2616DISPASH
DIGITAL PHONE	NORTEL	M2008HF ASH
BAYSTACK SWITCH	NORTEL	450-12T
DIGITAL PHONE	NORTEL	M2008HF ASH
DIGITAL PHONE	NORTEL	M2008HF ASH
DIGITAL PHONE	NORTEL	M2008HF ASH
BAYSTACK SWITCH	NORTEL	450-12T
DIGITAL PHONE	NORTEL	M2008HF DISP ASH
DIGITAL PHONE	NORTEL	M7310ASH
DIGITAL PHONE	NORTEL	M8004
DIGITAL PHONE	NORTEL	M2616 DISP ASH
M2008 HFB	NORTEL	M2008 HFB
M2008 HFB	NORTEL	M2008 HFB
M2008 HFB	NORTEL	M2008 HFB
DIGITAL PHONE	NORTEL	M2008BASIC BLK
M2008B	NORTEL	M2008B
DIGITAL PHONE	NORTEL	M2008HF ASH
DIGITAL PHONE	NORTEL	M2616DISP
DIGITAL PHONE	NORTEL	M2616DISPASH
DIGITAL PHONE	NORTEL	M2616DISPASH
DIGITAL PHONE	NORTEL	M2616DISPASH
DIGITAL PHONE	NORTEL	M2616DISPASH
DIGITAL PHONE	NORTEL	M2616DISPASH
M2008 HFB	NORTEL	M2008 HFB
DIGITAL PHONE	NORTEL	M2616
DIGITAL PHONE	NORTEL	M2616DISPASH

Description	Manufacturer	Model #
DIGITAL PHONE	NORTEL	M2616DISP ASH
DIGITAL PHONE	NORTEL	M2616DISPASH
DIGITAL PHONE	NORTEL	M2616DISP
DIGITAL PHONE	NORTEL	M2008HF DISP BLK
DIGITAL PHONE	NORTEL	M2008HF ASH
DIGITAL PHONE	NORTEL	M2616DISP BLK
DIGITAL PHONE	NORTEL	M2616DISP ASH
DIGITAL PHONE	NORTEL	M2008HF DISP
DIGITAL PHONE	NORTEL	M2008HF DISP
DIGITAL PHONE	NORTEL	M7310 ASH
DIGITAL PHONE	NORTEL	M7310 ASH
DIGITAL PHONE	NORTEL	M2616DISPASH
DIGITAL PHONE	NORTEL	M7310 ASH
DIGITAL PHONE	NORTEL	M2008HF ASH
48V POWER CONV	NORTEL	NT7A69BD
DIGITAL PHONE	NORTEL	M2616DISP
DIGITAL PHONE	NORTEL	M2008HF ASH
DIGITAL PHONE	NORTEL	M2616DISP ASH
BAYSTACK SWITCH	NORTEL	450-12T
DIGITAL PHONE	NORTEL	M2616BASIC ASH
BAYSTACK SWITCH	NORTEL	450-12T
DIGITAL PHONE	NORTEL	M2616DISP ASH
BAYSTACK SWITCH	NORTEL	450-12T 10/100
DIGITAL PHONE	NORTEL	M2616DISP ASH
DIGITAL PHONE	NORTEL	M2008HF BASIC ASH
DIGITAL PHONE	NORTEL	M2616DISP
DIGITAL PHONE	NORTEL	M2616DISPASH
48V POWER CONV	NORTEL	NT7A69BD
DIGITAL PHONE	NORTEL	M2616DISP ASH
DIGITAL PHONE	NORTEL	M2008HF ASH
BAYSTACK SWITCH	NORTEL	450-12T
DIGITAL PHONE	NORTEL	M2616DISP BLK
DIGITAL PHONE	NORTEL	M2616DISP ASH

Description	Manufacturer	Model #
M2008 BASIC	NORTEL	M2008 B
M2008 BASIC	NORTEL	M2008
M2008B ASH	NORTEL	M2008B
M2008B ASH	NORTEL	M2008B
M2008 BASIC	NORTEL	M2008 B
DIGITAL PHONE	NORTEL	M2616DISP BLK
M2008 DISPLAY	NORTEL	M2008
DIGITAL PHONE	NORTEL	M2616DISP BLK
DIGITAL PHONE	NORTEL	M2616DISP BLK
DIGITAL PHONE	NORTEL	M2616DISP BLK
DIGITAL PHONE	NORTEL	M2616DISP BLK
DIGITAL PHONE	NORTEL	M2616DISP BLK
DIGITAL PHONE	NORTEL	M2616DISP BLK
M2008 BASIC	NORTEL	M2008 B
DIGITAL PHONE	NORTEL	M8004 CHARCOAL
RING GENERATOR	NORTEL	N/A
DIGITAL PHONE	NORTEL	M8004 CHARCOAL
DIGITAL PHONE	NORTEL	M8004 CHARCOAL
DIGITAL PHONE	NORTEL	M8004 CHARCOAL
DIGITAL PHONE	NORTEL	M8004 CHARCOAL
M2008 BASIC	NORTEL	M2008 B
DIGITAL PHONE	NORTEL	M8004 CHARCOAL
DIGITAL PHONE	NORTEL	M2616DISP BLK
DIGITAL PHONE	NORTEL	M8004 CHARCOAL
DIGITAL PHONE	NORTEL	M2616DISP BLK
DIGITAL PHONE	NORTEL	M2616DISP BLK
DIGITAL PHONE	NORTEL	M2616DISP BLK
DIGITAL PHONE	NORTEL	M2616 DISP BLK
DIGITAL PHONE	NORTEL	M2616DISP BLK
DIGITAL PHONE	NORTEL	M8004 CHARCOAL
DIGITAL PHONE	NORTEL	M2616DISP BLK
M2616 DISPLAY	NORTEL	M2616D
M2616 DISPLAY	NORTEL	M2616 D

Description	Manufacturer	Model #
DIGITAL PHONE	NORTEL	M2616BASIC
DIGITAL PHONE	NORTEL	M2616DISP ASH
DIGITAL PHONE	NORTEL	M2616DISP ASH
DIGITAL PHONE	NORTEL	M2616DISP BLK
M2008 BHF	NORTEL	M2008 BHF
5724M 4PORT	NORTEL	5724M 4 PORT
DIGITAL PHONE	NORTEL	M2616DISP ASH
DIGITAL PHONE	NORTEL	M2616DISP ASH
DIGITAL PHONE	NORTEL	M2616DISP ASH
DIGITAL PHONE	NORTEL	M2616DISP ASH
DIGITAL PHONE	NORTEL	M2616DISP ASH
DIGITAL PHONE	NORTEL	M2616DISP ASH
M2008B	NORTEL	M2008B
DIGITAL PHONE	NORTEL	M2616DISP ASH
DIGITAL PHONE	NORTEL	M8004
DIGITAL PHONE	NORTEL	M2616DISP BLK
DIGITAL PHONE	NORTEL	M2616DISP BLK
DIGITAL PHONE	NORTEL	M2616DISP BLK
DIGITAL PHONE	NORTEL	M2616DISP BLK
DIGITAL PHONE	NORTEL	C3060
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL PHONE	NORTEL	C3060
M2616 DISPLAY	NORTEL	M2616 D
M2008 BASIC	NORTEL	M2008B
M2008B	NORTEL	M2008B
FMT150	NORTEL	N/A
FMT150B	NORTEL	N/A
OCU-DP MODULE	NORTEL	90-1231-02
DIGITAL PHONE	NORTEL	M2616DISP BLK
DIGITAL PHONE	NORTEL	C3060
SYS. MON.	NORTEL	N/A
SYS. MON	NORTEL	N/A
SYS. MON.	NORTEL	N/A

Description	Manufacturer	Model #
POWER UNIT	NORTEL	N/A
SYS. MON.	NORTEL	N/A
POWER UNIT	NORTEL	N/A
SYS MON.	NORTEL	N/A
POWER UNIT	NORTEL	N/A
PEDESTAL	NORTEL	N/A
POWER UNIT	NORTEL	N/A
SYS. MON.	NORTEL	N/A
POWER UNIT	NORTEL	N/A
PEDESTAL	NORTEL	N/A
SYST. MON.	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
SYS. MON.	NORTEL	N/A
PEDESTAL	NORTEL	N/A
PRI	NORTEL	N/A
PRI	NORTEL	N/A
PRI	NORTEL	N/A
CE POWER SUP	NORTEL	N/A
CE MODULE	NORTEL	N/A
POWER DIST.	NORTEL	N/A
POWER DIST.	NORTEL	N/A
POWER UNIT	NORTEL	N/A
PEDESTAL	NORTEL	N/A
PEDESTAL	NORTEL	N/A
PEDESTAL	NORTEL	N/A
PEDESTAL	NORTEL	N/A
PEDESTAL	NORTEL	N/A
PEDESTAL	NORTEL	N/A
SYS. MON.	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
POWER UNIT	NORTEL	N/A
HOLIOS RECTIFIER 50	NORTEL	N/A
HOLIOS RECTIFIER 50	NORTEL	N/A

Description	Manufacturer	Model #
HOLIOS RECTIFIER 50	NORTEL	N/A
HOLIOS RECTIFIER 50	NORTEL	N/A
CHG/DISCH BAR.	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
MPP600	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
M2616 BASIC	NORTEL	M2616 B
DIGITAL LINE CARD	NORTEL	N/A
HOLIOS RECTIFIER 50	NORTEL	N/A
RPE MODULE	NORTEL	N/A
CPE POWER SUP.	NORTEL	N/A
MSU AND TAPE DRIVE	NORTEL	N/A
MSU/TAPE DRIVE	NORTEL	N/A
DIST. AND CONT. PNL	NORTEL	N/A
DIST. PNL	NORTEL	N/A
HOLIOS RECTIFIER 50	NORTEL	N/A
PRI	NORTEL	N/A
HOLIOS RECTIFIER 50	NORTEL	N/A
HOLIOS RECTIFIER 50	NORTEL	N/A
HOLIOS RECTIFIER 50	NORTEL	N/A
DIST PNL	NORTEL	N/A
CHG/DISCH BAR.	NORTEL	N/A
MPP600	NORTEL	N/A
HOLIOS RECTIFIER 50	NORTEL	N/A
CON-4	NORTEL	N/A
PRI	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A

Description	Manufacturer	Model #
DIGITAL LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
RING GENERATOR	NORTEL	N/A
PE POWER SUP	NORTEL	N/A
PE MODULE	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
PE POWER SUPPLY	NORTEL	N/A
RING GENERATOR	NORTEL	N/A
PE MODULE	NORTEL	N/A
DTR	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
CONT-4	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
CMCC CONTROLLER CARD	NORTEL	N/A
CMRC	NORTEL	N/A
CMRC	NORTEL	N/A
CMLC	NORTEL	N/A
CMLC	NORTEL	N/A
CMLC	NORTEL	N/A

Description	Manufacturer	Model #
ANALOG M/W LINE CARD	NORTEL	N/A
CMRC	NORTEL	N/A
CMRC	NORTEL	N/A
RING GEN CARD	NORTEL	N/A
PE POWER SUPPLY CARD	NORTEL	N/A
FAN UNIT	NORTEL	N/A
PE MODULE	NORTEL	N/A
CE MODULE	NORTEL	N/A
DIGITAL PHONE	NORTEL	M7310ASH
CMLC	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
PRI	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
CONT-4	NORTEL	N/A
ANALOG M/W LINE CARD	NORTEL	N/A
LINE SIDE T1	NORTEL	N/A
CONT-4 CARD	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
CMRC	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
DIGITAL LINE CARD	NORTEL	N/A
RING GENERATOR	NORTEL	N/A
PE POWER SUP	NORTEL	N/A
PE MODULE	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
UNIVERSAL TRUNK	NORTEL	N/A
M2616 BLK	NORTEL	M2616 BLK
KEYBOARD	NORTEL	VT520
M2616 BLK	NORTEL	M2616 BLK
M2616 BLK	NORTEL	M2616 BLK
M2616 BLK	NORTEL	M2616 BLK
M2616 BLK	NORTEL	M2616 BLK

Description	Manufacturer	Model #
CONTROLLER 4 CARD	NORTEL	N/A
M2616 BLK	NORTEL	M2616 BLK
M2008 HFBA	NORTEL	M2008 HDFBA
M2616 BLK	NORTEL	M2616 BLK
M2616 BLK	NORTEL	M2616 BLK
DIGITAL LINE CARD	NORTEL	DIGITAL LINE CARD
M2008 HFBA	NORTEL	M2008 HFBA
M2008 HFBA	NORTEL	M2008HFBA
M2008 HFBA	NORTEL	M2008 HFBA
ANALOG M/W LINE CARD	NORTEL	N/A
M2616 BLK	NORTEL	M2616 BLK
2008 B ASH	NORTEL	2008
CONTROLLER 4 CARD	NORTEL	N/A
M2616 BLK	NORTEL	M2616
DIGITAL LINE CARD	NORTEL	DIGITAL LINE CARD
M2616 BASIC	NORTEL	M2616 BLACK
CONTROLLER 4 CARD	NORTEL	N/A
M2616 BLK	NORTEL	M2616 BLK
M2008 HFBA	NORTEL	M2008 HFBA
M2616 BLK	NORTEL	M2616 BLK
M2616 BLK	NORTEL	M2616 BLK
M2008 HFBA	NORTEL	M2008 HFBA
M2008 HFBA	NORTEL	M2008 HFBA
M2008 HFBA	NORTEL	M2008 HFBA
M2008 HFBA	NORTEL	M2008 HFBA
M2616 BLK	NORTEL	M2616 BK
ANALOG M/W LINE CARD	NORTEL	N/A
2008HF Basic Ash	NORTEL	M2008HF
2008HF Basic Ash	NORTEL	M2008HF
2008HF Basic Ash	NORTEL	M2008HF
2008HF Basic Ash	NORTEL	M2008HF
ANALOG M/W LINE CARD	NORTEL	N/A
M2008 HFBA	NORTEL	M2008 HFBA

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Description	Manufacturer	Model #
ANALOG M/W LINE CARD	NORTEL	N/A
M2008HFDISPASH	NORTEL	M2008HFDISP
2616 DISP ASH	NORTEL	M2616DISPASH
DTR	NORTEL	N/A
FIBER I/F	NORTEL	N/A
POWER SUPPLY 5000 CHASSIS	NORTEL	5001
PE MODULE	NORTEL	N/A
PE POWER SUPPLY	NORTEL	N/A
ANALOG LINE CARD	NORTEL	N/A
ANALOG CARD	NORTEL	
M2616 DISPLAY	NORTEL	M2616
M2008 HFBA	NORTEL	M2008 HFBA
M2008 HFBA	NORTEL	M2008 HFBA
M2008 HFBA	NORTEL	M2008 HFBA
M2008 HFBA	NORTEL	M2008 HFBA
M2008 HFBA	NORTEL	M2008 HFBA
2008HF Basic Ash	NORTEL	M2008HF
CALL PROCESSOR	NORTEL	128MB
2008HF Basic Ash	NORTEL	M2008HF
5000 CHASSIS POWER SUPPLY	NORTEL	N/A
5000 CHASSIS POWER SUPPLY	NORTEL	5001
5000 CHASSIS POWER SUPPLY	NORTEL	5001
5000 CHASSIS POWER SUPPLY	NORTEL	5001
M2008HFDISPASH	NORTEL	M2008HFDISP
M2008 HFBA	NORTEL	M2008 HFBA
M2008 HFBA	NORTEL	M2008 HFBA
M2008 BASIC	NORTEL	M2008
DIGITAL LINE CARD	NORTEL	N/A
M 2008 B ASH	NORTEL	2008 B
M2008 BASIC	NORTEL	M2008 B
M2008B ASH	NORTEL	M2008B
M2616 DISPLAY	NORTEL	M2616 D
M2008 BASIC	NORTEL	M2008 B

Description	Manufacturer	Model #
M2616 ASH	NORTEL	M2616
M2008 BASIC	NORTEL	M2008 B
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616 D
M2008B ASH	NORTEL	M2008B
M2616 BASIC	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616
M2616 DISPLAY	NORTEL	M2616 D
M2008 BASIC	NORTEL	M2008
M2008 BHF	NORTEL	M2008 BHF
M2008 HFB	NORTEL	M2008 HFB
M7310	NORTEL	M7310
M2008 HFB	NORTEL	M2008
2008 HFD	NORTEL	2008 HFD
M2008 HFB ASH	NORTEL	M2008 HFB ASH
2008 B ASH	NORTEL	2008 B
M2008B ASH	NORTEL	M2008B
M2616 DISPLAY	NORTEL	2616 D
M7310	NORTEL	M7310
M2008B BLACK	NORTEL	M2008 B
M2008 BASIC	NORTEL	M2008 B
M2008 BASIC	NORTEL	M2008 B
M2008 B BLACK	NORTEL	M2008 B
M2008 BASIC	NORTEL	M2008 B
2008 HFB	NORTEL	2008 HFD
M2008 HFB	NORTEL	M2008 HFB
M2008 BASIC	NORTEL	M2008 B
M2008 BASIC	NORTEL	M2008 B
M2616D BH	NORTEL	M2616D BH
M2616 ASH	NORTEL	M2616
DIGITAL LINE CARD	NORTEL	N/A
M2616 DISPLAY	NORTEL	2616 D
M2008 HFB	NORTEL	N/A

Description	Manufacturer	Model #
DIGITAL L.C.	NORTEL	N/A
M2008 HFB	NORTEL	M2008 HFB
M2008 HFB	NORTEL	M2008 HFB
M2008 HFB	NORTEL	M2008 HFB
M2616 DISPLAY	NORTEL	N/A
M2616 DISPLAY	NORTEL	2616
M2616 BASIC	NORTEL	M2616
ATTENDANT CONSOLE	NORTEL	N/A
M2616 BASIC	NORTEL	M2616
2008 B ASH	NORTEL	2008 B
M2008 HFB	NORTEL	M2008 HFB
M2008 BHF	NORTEL	M2008
M2008 HANDSFREE DISPLAY	NORTEL	M2008 HFD
M2008 HFB	NORTEL	M2008 HFB
M2616 BASIC	NORTEL	M2616
M2008 BASIC	NORTEL	M2008 B
M2008 HFB	NORTEL	M2008 HFB
DIGITAL LINE CARD	NORTEL	N/A
M2616 BASIC	NORTEL	M2616B
M2616 BASIC	NORTEL	M2616B
M2616 BASIC	NORTEL	M2616B
M2616 DISPLAY	NORTEL	M2616
ANALOG LINE CARD	NORTEL	N/A
M2616 DISPLAY	NORTEL	M2616D
M2616 DISPLAY	NORTEL	M2616
DIGITL CC CARD	NORTEL	N/A
POWER DISTRIBUTION UNIT	NORTEL	N/A
ANLG LC	NORTEL	N/A
ANLG LC	NORTEL	N/A
ANLG M/W LC	NORTEL	N/A
ANLG LC	NORTEL	N/A
ANLG LC	NORTEL	N/A
ANLG LC	NORTEL	N/A

Description	Manufacturer	Model #
ANLG LC M/WLC	NORTEL	N/A
PE MODULE	NORTEL	N/A
PE POWER SUP	NORTEL	N/A
DIGITAL PHONE	NORTEL	M2008HF ASH
POWER SUPPLY 5000 CHASSIS	NORTEL	N/A
DIGITAL PHONE	NORTEL	M3904 CHARCOAL
POWER SUPPLY 5000 CHASSIS	NORTEL	N/A
DIGITL LC CARD	NORTEL	N/A
DIGITL LC CARD	NORTEL	N/A
DIGITL LC CARD	NORTEL	N/A
DIGITL LC CARD	NORTEL	N/A
CONT 4 CARD	NORTEL	N/A
ANALOF W/AL CARD	NORTEL	N/A
ANALOG W/WLC CARD	NORTEL	N/A
ANALOG W/WLC CARD	NORTEL	N/A
ANALOG W/WLC CARD	NORTEL	N/A
ANALOG W/WLC CARD	NORTEL	N/A
UNIV TRK CARD	NORTEL	N/A
DTR CARD	NORTEL	N/A
RING GENERATOR CARD	NORTEL	N/A
RNG IEN	NORTEL	N/A
SUPERVISORY MODULE	NORTEL	5110
SL-1CE MODULE	NORTEL	N/A
SWITCH 24 PORT	NORTEL	450-24T
SL-1 CE MODULE	NORTEL	N/A
POWER SUPPLY 5000 CHASSIS	NORTEL	5001
POWER SUPPLY 5000 CHASSIS	NORTEL	5001
POWER SUPPLY 5000 CHASSIS	NORTEL	5001
SUPERVISORY MODULE	NORTEL	5110
CE POWER SUP	NORTEL	N/A
SC-1CE MODULE	NORTEL	N/A
CE POWER SUP	NORTEL	N/A
CONT-4	NORTEL	N/A

Description	Manufacturer	Model #
DE POWER SUP	NORTEL	N/A
CE POWER SUP	NORTEL	N/A
UICL	NORTEL	N/A
DGTL	NORTEL	N/A
DGTL	NORTEL	N/A
DGTL	NORTEL	N/A
BACKBONE ROUTER	NORTEL	BLN-2
POWER SUPPLY 5000 CHASSIS	NORTEL	5001
POWER SUPPLY 5000 CHASSIS	NORTEL	5001
SUPERVISORY MODULE	NORTEL	N/A
5000 CHASSIS	NORTEL	5000
LINE SIDE + 1 INTERFACE	NORTEL	N/A
BACKBONE ROUTER	NORTEL	BLN-2
POWER SUPPLY 5000 CHASSIS	NORTEL	N/A
DE MODULE	NORTEL	N/A
CONF- CARD	NORTEL	N/A
IGS	NORTEL	N/A
PERIPHERAL SNLG	NORTEL	N/A
SL-ICE MODULE	NORTEL	N/A
CE POWER SUP	NORTEL	N/A
IGS CARD	NORTEL	N/A
IGS CARD	NORTEL	N/A
SL-1 CE MODULE	NORTEL	N/A
IGS	NORTEL	N/A
5000 POWER SUPPLY	NORTEL	N/A
5000 POWER SUPPLY	NORTEL	N/A
SUPERVISOR MODULE	NORTEL	N/A
ANALOG W/WLC CARD	NORTEL	N/A
PERIPHERAL SNLG	NORTEL	N/A
POWER DISTRIBUTION UNIT	NORTEL	N/A
FAN BLOWER	NORTEL	N/A
FAN BLOWER	NORTEL	N/A
RPSU	NORTEL	N/A

Description	Manufacturer	Model #
MPR 25 RECTIFIER	NORTEL	N/A
MPR 25 RECTIFIER	NORTEL	N/A
5000NT CHASSIS	NORTEL	N/A
TOKEN RING NMM	NORTEL	N/A
BAYSTACK TOKEN RING HUB	NORTEL	N/A
FAN BLOWER	NORTEL	N/A
FAN BLOWER	NORTEL	N/A
FAN BLOWER	NORTEL	N/A
SYS MONITOR CARD	NORTEL	N/A
IGS	NORTEL	N/A
CORE MODULE	NORTEL	N/A
5000 CHASSIS	NORTEL	5000NT
IGS	NORTEL	N/A
PERIPHERAL SNLG	NORTEL	N/A
PERIPHERAL SNLG	NORTEL	N/A
CNI CARD	NORTEL	N/A
CNI CARD	NORTEL	N/A
MERIDIAN PHONE	NORTEL	N/A
CNI CARD	NORTEL	N/A
CBT CARD	NORTEL	N/A
CP 68040/96MB	NORTEL	N/A
CE POWER SUP	NORTEL	N/A
CORE MODULE	NORTEL	N/A
CE POWER SUP	NORTEL	N/A
SL- 1 CE MODULE	NORTEL	N/A
SL- 1CE MODULE	NORTEL	N/A
CE POWER SUP	NORTEL	N/A
CNI CARD	NORTEL	N/A
CNI CARD	NORTEL	N/A
CNI CARD	NORTEL	N/A
CBT CARD	NORTEL	N/A
CP 68040/96MB	NORTEL	N/A
IOP CARD	NORTEL	N/A

Description	Manufacturer	Model #
CE POWER SUP	NORTEL	N/A
SL-1 CE MODULE	NORTEL	N/A
POWER DISTRIBUTION UNIT	NORTEL	N/A
SYS MONITOR CARD	NORTEL	N/A
SL-1 CE MODULE	NORTEL	N/A
CE POWER SUP	NORTEL	N/A
POWER SUPPLY	NORTEL	N/A
UNIV TRK	NORTEL	N/A
PE MODULE	NORTEL	N/A
5110 SUPERVISORY MODULE	NORTEL	5110
5000 CHASSIS POWER SUPPLY	NORTEL	5001
CE POWER SUPPLY	NORTEL	N/A
IGS CARD	NORTEL	N/A
IGS CARD	NORTEL	N/A
PERIPHERAL SIGNAL CARD	NORTEL	N/A
5000 CHASSIS POWER SUPPLY	NORTEL	5001
5000 CHASSIS POWER SUPPLY	NORTEL	5001
ETHER SWITCH 12 PORT	NORTEL	450-12T
5000 CHASSIS	NORTEL	5000
POWER SUPPLY	NORTEL	N/A
SYSTEM 5000 SUPERVISORY MODULE	NORTEL	5110
SUPERVISORY MODULE	NORTEL	5110
5000 CHASSIS	NORTEL	5000NT
5000 CHASSIS	NORTEL	5000NT
POWER SUPPLY	NORTEL	5001
POWER SUPPLY	NORTEL	5001
SUPERVISORY MODULE	NORTEL	5110
CENTILLION SWITCH	NORTEL	C-100
BACKBONE ROUTER	NORTEL	BCN
ETHER NMM	NORTEL	5DN310
ETHER SWITCH 24 PORT	NORTEL	450-24T
ETHER NMM	NORTEL	5DN310
POWER SUPPLY	NORTEL	5001

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Description	Manufacturer	Model #
ETHER NMM	NORTEL	5DN310
DISTRIBUTED 5000 HUB	NORTEL	5DN003A
SUPERVISORY MODULE	NORTEL	5110
MFA150	NORTEL	N/A
SYSTEM 5000 SUPERVISORY MODULE	NORTEL	5110
5000 CHASSIS POWER SUPPLY	NORTEL	5001
M2008B ASH	NORTEL	M2008B
5000 CHASSIS POWER SUPPLY	NORTEL	5001
M2616 BASIC	NORTEL	M2616
M 2008B	NORTEL	M2008 B
M2008B	NORTEL	M2008B
5000BH ATM/PPX/ETHERNET TOKEN RING CHASSIS	NORTEL	5000BH
5000 CHASSIS POWER SUPPLY	NORTEL	5001
5000 CHASSIS POWER SUPPLY	NORTEL	5001
UNIV TRK	NORTEL	N/A
SYSTEM 5000 SUPERVISORY MODULE	NORTEL	5110
CONT-4	NORTEL	N/A
D5000 NETWORK MGMNT W/ADV ANALYZER	NORTEL	5DN310
M2008B	NORTEL	M2008B
POWER PANEL FOR OPT-11	NORTEL	N/A
SHELF FOR 19" RACK	NORTEL	N/A
5000 CHASSIS POWER SUPPLY	NORTEL	5001
PE POWER SUP	NORTEL	N/A
UNIV TRK	NORTEL	N/A
DGTL LC	NORTEL	N/A
5000 CHASSIS POWER SUPPLY	NORTEL	5001
UNIV TRK	NORTEL	N/A
5000 CHASSIS POWER SUPPLY	NORTEL	5001
CLAM ROUTER ISDN	NORTEL	860
M2008B	NORTEL	M2008B
PERIPHERAL SNIG	NORTEL	N/A
IGS	NORTEL	N/A
PELIPH SNIG	NORTEL	N/A

Description	Manufacturer	Model #
CE POWER SUP	NORTEL	N/A
SL ICE MODULE	NORTEL	N/A
RPSU	NORTEL	450-24T
CONF	NORTEL	N/A
POWER SUPPLY 5000	NORTEL	5001
SUPERVISORY MODULE	NORTEL	5110
5000 CHASSIS	NORTEL	5000NT
ETHER SWITCH 24 PORT	NORTEL	450-24T
SL 1 CE NODULE	NORTEL	N/A
ETHER NMM	NORTEL	5DN310
CE POWER SUP	NORTEL	N/A
POWER SUPPLY	NORTEL	5001
ETHER SWITCH 24 PORT	NORTEL	450-24T
CE POWER SUP	NORTEL	N/A
PERIPHERAL SNLG	NORTEL	N/A
CONF	NORTEL	N/A
MISD	NORTEL	N/A
ETHER SWITCH 24 PORT	NORTEL	450-24T
ETHER HUB	NORTEL	SBAY300154
ETHER SWITCH 24 PORT	NORTEL	450-24T
ETHER SWITCH 24 POSITION	NORTEL	450-24T
ETHER NMM	NORTEL	5DN310
HUB	NORTEL	ID5000
UNIV TRK CARD	NORTEL	N/A
JUNCTOR BOARD	NORTEL	N/A
SL ICE MODULOE	NORTEL	N/A
ACCESS NODE ROUTER	NORTEL	ANH
ETHER NMM	NORTEL	5DN310
ETHER SWITCH 24 PORT	NORTEL	450-24T
ETHER SWITCH 24 PORT	NORTEL	450-24T
ETHER SWITCH 24 PORT	NORTEL	450-24T
ETHER NMM	NORTEL	5DN310
ETHER SWITCH	NORTEL	450-24T

Description	Manufacturer	Model #
CE POWER SUP	NORTEL	N/A
ETHER NMM	NORTEL	5DN310
CE POWER SUP	NORTEL	N/A
450-24T SWITCH	NORTEL	450-24T
SL-ICE MODULE	NORTEL	N/A
ETHER SWITCH 24 PORT	NORTEL	450-24T
ETHER SWITCH	NORTEL	450-24T
POWER SUPPLY	NORTEL	5001
ETHER SWITCH 24 PORT	NORTEL	450-24T
IGC	NORTEL	N/A
SUPERVISORY MODULE	NORTEL	5110
POWER SUPPLY	NORTEL	5001
POWER SUPPLY	NORTEL	5001
POWER SUPPLY	NORTEL	5001
5000NT CHASSIS	NORTEL	5000NT
ETHER SWITCH 12 PORT	NORTEL	450-12T
5000 CHASSIS	NORTEL	5000NT
SUPERVISORY MODULE	NORTEL	5110
POWER SUPPLY	NORTEL	5001
POWER SUPPLY	NORTEL	5001
ETHER NMM	NORTEL	5DN310
5000 POWER SUPPLY	NORTEL	N/A
5000 SUPERVISOR MODULE	NORTEL	N/A
5000 POWER SUPPLY	NORTEL	N/A
EP071295-F POWER SUPPLY	NORTEL	N/A
400-2FX MDA	NORTEL	N/A
400-2FX MDA	NORTEL	N/A
5000 SUPERVISOR MODULE	NORTEL	N/A
400-2FX MDA	NORTEL	N/A
5000 CHASIS	NORTEL	N/A
5000 POWER SUPPLY	NORTEL	N/A
350T 10/100 AUTO SENSE	NORTEL	N/A
5000 POWER SUPPLY	NORTEL	N/A

Description	Manufacturer	Model #
5000 POWER SUPPLY	NORTEL	N/A
5000 SUPERVISOR MODULE	NORTEL	N/A
5000 SUPERVISOR MODULE	NORTEL	N/A
5000 SUPERVISOR MODULE	NORTEL	N/A
5000 POWER SUPPLY	NORTEL	N/A
5000 POWER SUPPLY	NORTEL	N/A
5000 POWER SUPPLY	NORTEL	N/A
INPUT/OUTPUT DRIVE	NORTEL	NT5D61AB
5000 CHASIS	NORTEL	N/A
MERIDIAN PHONE	NORTEL	N/A
DIGITAL PHONE	NORTEL	M2008HF DISP ASH
CENTILLION CHASSIS	NORTEL	N/A
DIGITAL PHONE	NORTEL	M2616BASIC
DIGITAL PHONE	NORTEL	M3904 CHARCOAL
5000 CHASSIS	NORTEL	N/A
5000 POWER SUPPLY	NORTEL	N/A
DIGITAL PHONE	NORTEL	M3904 CHARCOAL
5000 POWER SUPPLY	NORTEL	N/A
5000 POWER SUPPLY	NORTEL	N/A
5000 POWER SUPPLY	NORTEL	N/A
M2008 BASIC	NORTEL	M2008 B
ANH ROUTER 12 PORT	NORTEL	N/A
350-24T SWITCH	NORTEL	N/A
5000 SUPERVISOR MODULE	NORTEL	N/A
5000 POWER SUPPLY	NORTEL	N/A
8 MEG FLUSH	NORTEL	N/A
5000 POWER SUPPLY	NORTEL	N/A
5DN310	NORTEL	N/A
5000 POWER SUPPLY	NORTEL	N/A
ETHER NMM	NORTEL	N/A
860 CLAM ROUTER	NORTEL	N/A
8 MEG FLASH CARD	NORTEL	N/A
16 MEG FLASH CARD	NORTEL	N/A

Description	Manufacturer	Model #
BAYSTACK ACCESS NODE (AN)	NORTEL	N/A
BAYSTACK ACCESS NODE (AN)	NORTEL	N/A
CENTILLION 100	NORTEL	N/A
5001 POWER SUPPLY 5000NT	NORTEL	N/A
POWER SUPPLY FOR CENTILLION 100	NORTEL	N/A
DISTRIBUTED 5000	NORTEL	N/A
5DN310	NORTEL	N/A
BAYSTACK 450-N4T SWITCH	NORTEL	N/A
DISTRIBUTED 5000	NORTEL	N/A
SYS MONITOR CARD	NORTEL	N/A
5001 POWER SUPPLY 5000NT	NORTEL	N/A
ANH ROUTER	NORTEL	N/A
5DN310 NMM	NORTEL	N/A
DISTRIBUTED 5000	NORTEL	N/A
5001 POWER SUPPLY	NORTEL	N/A
5000 POWER SUPPLY	NORTEL	N/A
BAYSTACK AN ACCESS NOAT	NORTEL	N/A
16 MEG FLUSH	NORTEL	N/A
8 MEG FLUSH	NORTEL	N/A
4 MEG FLUSH	NORTEL	N/A
BCN BACKBONE MODE	NORTEL	N/A
BAYSTACK AN ACCESS MODE	NORTEL	N/A
BAYSTACK 450-24T	NORTEL	N/A
5001 POWER SUPPLY	NORTEL	N/A
RAPPORT	NORTEL	N/A
5001 POWER SUPPLY	NORTEL	N/A
5110 SUPERVISORY MODULE	NORTEL	N/A
5110 SUPERVISORY MODULE	NORTEL	N/A
5001 POWER SUPPLY	NORTEL	N/A
400-2FX MDA	NORTEL	N/A
BAYSTACK 450-24T	NORTEL	N/A
CENTILLION 100	NORTEL	N/A
POWER SUPPLY FOR CENTILLION 100	NORTEL	N/A

Description	Manufacturer	Model #
CENTILLION 100	NORTEL	N/A
DIGITAL PHONE	NORTEL	M3904 CHARCOAL
DIGITAL PHONE	NORTEL	M3904 CHARCOAL
5000 POWER SUPPLY	NORTEL	N/A
10 BASE FL RACK MOUNT DIGI	NORTEL	N/A
5000 POWER SUPPLY	NORTEL	N/A
5000 POWER SUPPLY	NORTEL	N/A
COMPANION PHONE	NORTEL	C3060
5000 POWER SUPPLY	NORTEL	N/A
SYSTEM MONITOR CARD	NORTEL	N/A
5000 POWER SUPPLY	NORTEL	N/A
D5000 RPSU	NORTEL	N/A
BAYSTACK 450-24 Port Switch	NORTEL	N/A
D5000	NORTEL	N/A
5000 CHASIS	NORTEL	N/A
DIGITAL PHONE	NORTEL	M2008HF DISP ASH
MERIDIAN PHONE	NORTEL	N/A
WYSE KEYBOARD	NORTEL	N/A
MULTI FIBER INTERFACE	NORTEL	N/A
DIGITAL PHONE	NORTEL	M3904 CHARCOAL
DIGITAL PHONE	NORTEL	M3904 CHARCOAL
BAYSTACK 102 10BASE T HUB	NORTEL	N/A
5000 POWER SUPPLY	NORTEL	N/A
5000 SUPERVISOR MODULE	NORTEL	N/A
5000 SUPERVISOR MODULE	NORTEL	N/A
DIGITAL PHONE	NORTEL	M3904 CHARCOAL
5000 SUPERVISOR MODULE	NORTEL	N/A
POWER DISTRIBUTION UNIT	NORTEL	N/A
5000 POWER SUPPLY	NORTEL	N/A
5000 SUPERVISOR MODULE	NORTEL	N/A
5000 CHASIS	NORTEL	N/A
SYS MONITOR CARD	NORTEL	N/A
5000 POWER SUPPLY	NORTEL	N/A

Description	Manufacturer	Model #
POWER DISTRIBUTION UNIT	NORTEL	N/A
5000 POWER SUPPLY	NORTEL	N/A
5000 POWER SUPPLY	NORTEL	N/A
M2616 DISPLAY	NORTLE	M2616
M2616 DISPLAY	NORTLE	M2616
I/O DISK W.CD	NORTLE	I/O DISK
M2616 DISPLAY	NORTLE	M2616
M2317	NORTLE	M2317
M2616 DISPLAY	NORTLE	M2616 ASH
M2616 DISPLAY	NORTLE	M2616
M7310	NORTLE	M7310
ML320 9 PIN PRINTER	OKIDATA	62411601
DCP	OKIDATA	320T
DCP	OKIDATA	320T
DCP	OKIDATA	320T
ML320 9 PIN PRINTER	OKIDATA	62411601
DCP	OKIDATA	320T
DCP	OKIDATA	320T
DCP	OKIDATA	320T
ML320 9 PIN PRINTER	OKIDATA	62411601
DCP	OKIDATA	320T
ML320 9 PIN PRINTER	OKIDATA	62411601
DCP	OKIDATA	320T
DCP	OKIDATA	320T
DCP	OKIDATA	320T
DCP	OKIDATA	320
ML320 9 PIN PRINTER	OKIDATA	62411601
ML320 9 PIN PRINTER	OKIDATA	62411601
ML320 9 PIN PRINTER	OKIDATA	62411601
ML320 9 PIN PRINTER	OKIDATA	62411601
ML320 9 PIN PRINTER	OKIDATA	62411601
ML320 9 PIN PRINTER	OKIDATA	62411601
DCP	OKIDATA	

Description	Manufacturer	Model #
M320 9 PIN PRINTER	OKIDATA	62411601
ML320 9 PIN PRINTER	OKIDATA	62411601
ML320 9 PIN PRINTER	OKIDATA	62411601
ML320 9 PIN PRINTER	OKIDATA	62411601
M320 9 PIN PRINTER	OKIDATA	62411601
DCP	OKIDATA	320T
DCP	OKIDATA	320T
ML320 9 PIN PRINTER	OKIDATA	62411601
ML320 9 PIN PRINTER	OKIDATA	62411601
DCP	OKIDATA	320T
DCP	OKIDATA	MC-320
DCP	OKIDATA	MC-320
ML320 9 PIN PRINTER	OKIDATA	62411601
ML320 9 PIN PRINTER	OKIDATA	62411601
DCP	OKIDATA	320T
DCP	OKIDATA	320
ML320 9 PIN PRINTER	OKIDATA	62411601
PRINTER	OKIDATA	320 TURBO
ML320 9 PIN PRINTER	OKIDATA	62411601
OKIDATA MICROLINE 320 TURBO PRINTER	OKIDATA	N/A
DCP	OKIDATA	320T
DCP	OKIDATA	320T
ML320 9 PIN PRINTER	OKIDATA	62411601
9P.N PRINTER O S. PRINTER	OKIDATA	N/A
ML320 9 PIN PRINTER	OKIDATA	62411601
DCP	OKIDATA	320T
DCP	OKIDATA	320T
DCP	OKIDATA	320T
ML320 9 PIN PRINTER	OKIDATA	62411601
DCP	OKIDATA	320T
ML320 9 PIN PRINTER	OKIDATA	62411601
ML320 9 PIN PRINTER	OKIDATA	62411601
ML320 9 PIN PRINTER	OKIDATA	62411601

Description	Manufacturer	Model #
ML320 9 PIN PRINTER	OKIDATA	62411601
DCP	OKIDATA	320T
DCP	OKIDATA	OKI 320
DCP	OKIDATA	320T
9P.N PRINTER WAKE-UP PRINTER	OKIDATA	N/A
ML320 9 PIN PRINTER	OKIDATA	62411601
DCP	OKIDATA	320T
PRINTER	OKIDATA	320
DCP	OKIDATA	320T
ML320 9 PIN PRINTER	OKIDATA	62411601
ML320 9 PIN PRINTER	OKIDATA	62411601
DCP	OKIDATA	320 OKIDATA
DCP	OKIDATA	320T
ML320 9 PIN PRINTER	OKIDATA	62411601
ML320 9 PIN PRINTER	OKIDATA	62411601
DCP	OKIDATA	320T
DCP	OKIDATA	320T
DCP	OKIDATA	320T
DCP	OKIDATA	320T
DCP	OKIDATA	320T
DCP	OKIDATA	320T
DCP	OKIDATA	320
ML320 9 PIN PRINTER	OKIDATA	62411601
ML320 9 PIN PRINTER	OKIDATA	62411601
ML320 9 PIN PRINTER	OKIDATA	62411601
DCP	OKIDATA	320T
ML320 9 PIN PRINTER	OKIDATA	62411601
DCP	OKIDATA	320T
DCP	OKIDATA	320T
ML320 9 PIN PRINTER	OKIDATA	62411601
ML320 9PIN PRINTER	OKIDATA	62411601
24 PORT PATCH PANEL	OMNITRONICS	N/A
24 PORT PATCH PANEL	OMNITRONICS	N/A

NXT 5605
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Description	Manufacturer	Model #
96 PORT PATCH PANEL	OMNITRONICS	N/A
96 PORT PATCH PANEL	OMNITRONICS	N/A
24 PORT PATCH PANEL	OMNITRONICS	N/A
96 PORT PATCH PANEL	OMNITRONICS	N/A
24 PORT PATCH PANEL	OMNITRONICS	N/A
24 PORT PATCH PANEL	OMNITRONICS	N/A
48 PORT PATCH PANEL	OMNITRONICS	N/A
32 PORT PATCH PANEL	OMNITRONICS	N/A
96 PORT PATCH PANEL	OMNITRONICS	N/A
48 PORT PATCH PANEL	OMNITRONICS	N/A
96 PORT PATCH PANEL	OMNITRONICS	N/A
48 PORT PATCH PANEL	OMNITRONICS	N/A
96 PORT PATCH PANEL	OMNITRONICS	N/A
48 PORT PATCH PANEL	OMNITRONICS	N/A
96 PORT PATCH PANEL	OMNITRONICS	N/A
96 PORT PATCH PANEL	OMNITRONICS	N/A
48 PORT PATCH PANEL	OMNITRONICS	N/A
96 PORT PATCH PANEL	OMNITRONICS	N/A
96 PORT PATCH PANEL	OMNITRONICS	N/A
96 PORT PATCH PANEL	OMNITRONICS	N/A
48 PORT PATCH PANEL	OMNITRONICS	N/A
48 PORT PATCH PANEL	OMNITRONICS	N/A
UPS	ONEAC	ON1300A-RM-SN
UPS	ONEAC	600A
UPS	ONEAC	ON600A-RM-SN
ONEAC RACK MOUNTED UPS ON2000XA	ONEAC	ON2000XA-RM-SNK
UPS	ONEAC	N/A
N/A	ONEAC	N/A
POWER CELL	ONEAC	N/A
UPS	ONEAC	2000A
ONCEA UPS 1300	ONEAC	N/A
UPS	ONEAC	1300A
POWER CELL	ONEAC	ONXBC

NXT 5606

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Description	Manufacturer	Model #
UPS	ONEAC	ON2000A
ONEAC RACK MOUNTED UPS ON1300A	ONEAC	N/A
ONEAC RACK MOUNTED UPS ON 2000 XA	ONEAC	N/A
ONEAC BATTERY BACK UP	ONEAC	N/A
UPS	ONEAC	2000A
ONEAC RACK MOUNTED UPS	ONEAC	ON2000XA
UPS	ONEAC	1300A
ONEAC RACK MOUNTED UPS ON2000XA	ONEAC	N/A
UPS	ONEAC	ON2000XA-RM-SN
ONEAC RACK MOUNTED UPS ON1300A	ONEAC	N/A
ONEAC RACK MOUNTED UPS ON2000XA	ONEAC	N/A
ONEAC BATTERY BACK UP	ONEAC	N/A
UPS	ONEAC	N/A
UPS	ONEAC	N/A
POWER CELL	ONEAC	ONXBC-RM-417
ONEAC RACK MOUNTED UPS ON1300A	ONEAC	N/A
UPS	ONEAC	1300A
UPS	ONEAC	400A
UPS	ONEAC	1300A
ONEAC	ONEAC	N/A
ONEAC	ONEAC	N/A
UPS 400	ONEAC	UPS 400
ONEAC POWER CELL (UPS)	ONEAC	N/A
UPS	ONEAC	1300A
UPS	ONEAC	1300A
RYDON	ONEAC	N/A
ONEAC 600 XT (UPS)	ONEAC	N/A
UPS	ONEAC	1300A
ONEAC POWER CE	ONEAC	N/A
UPS	ONEAC	N/A
UPS	ONEAC	ON600A-RM-SN
N/A	ONEAC	1300 RM
ONEAC POWER CELL (UPS)	ONEAC	N/A

NXT 5607

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Description	Manufacturer	Model'#
ONEAC 600	ONEAC	N/A
ONEAC 2000	ONEAC	N/A
UPS	ONEAC	ON600A-RM-SN
UPS	ONEAC	1300A
UPS	ONEAC	1300A
UPS	ONEAC	ON600A-RM-SN
UPS	ONEAC	ON600A-RM-SN
UPS	ONEAC	ON600A-RM-SN
ONEAC 2000	ONEAC	N/A
UPS	ONEAC	N/A
ONEAC 1300	ONEAC	N/A
POWER CELL	ONEAC	2000
UPS	ONEAC	ON600A-RM-SN
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41-2
MONITOR	OPTIQUEST	
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41

NXT 5608

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Description	Manufacturer	Model #
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41-2
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41
MONITOR	OPTIQUEST	Q41
24 POSITION PATCH PANEL	ORTRONICS	N/A
24 PORT PATCH PANEL	ORTRONICS	ORTRONIC
PATCH PANEL 12-PORT	ORTRONICS	N/A
24 POSITION PATCH PANEL	ORTRONICS	N/A
24 POSITION PACK	ORTRONICS	N/A
96 POSITION FIBER LIGHT GUIDE	ORTRONICS	N/A
24 PORT T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
24 POSITION PATCH PANEL	ORTRONICS	N/A
48 POSITION PATCH PANEL	ORTRONICS	N/A
48 POSITION PATCH PANEL	ORTRONICS	N/A
48 PORT T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
48 PORT T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
48 PORT T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
48 PORT T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
RELAY RACK 19"x84"	ORTRONICS	N/A
24 PORT T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
48 PORT T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
48 PORTS T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
48 POSITION PATCH PANEL	ORTRONICS	N/A
96 PORTS T568b CATEGORY 5 PATCH PANEL	ORTRONICS	N/A

Description	Manufacturer	Model #
24 PORT T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
12 PORT PATCH PANEL WALL	ORTRONICS	N/A
24 PORT T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
24 PORT T568B CATAGORY 5 PATCH PANEL	ORTRONICS	N/A
48 PORTS T5608B CATERGORY 5 PATCH PANEL	ORTRONICS	N/A
12 PORT WALL MOUNTED PATCH PANEL	ORTRONICS	N/A
48 POSITION PATCH PANEL	ORTRONICS	N/A
48 PORTS T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
12 PORT PATCH PANEL	ORTRONICS	N/A
24 PORT PATCH PANEL	ORTRONICS	N/A
48 POSITION PATCH PANEL	ORTRONICS	MIL-140TR
96 POSITION PATCH PANEL	ORTRONICS	N/A
112 PORT PATCH PANEL	ORTRONICS	OR-851044557
48 POSITION PATCH PANEL	ORTRONICS	N/A
24 POSITION PATCH PANEL	ORTRONICS	N/A
48 POSITION PATCH PANEL	ORTRONICS	N/A
96 POSITION PATCH	ORTRONICS	N/A
48 PORTS T568 CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
24PT CAT5 PATCH PANEL	ORTRONICS	N/A
RELAY RACKS 19"x 94"	ORTRONICS	N/A
96 POSITION PATCH PANEL	ORTRONICS	N/A
CAT 5 96 PORT PATCH PANEL	ORTRONICS	N/A
48 PORT PATCH PANEL	ORTRONICS	48 PORT
96 POSITION PATCH PANEL	ORTRONICS	N/A
24 POSITION	ORTRONICS	N/A
24 PORT T56B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
48 POSITION PATCH PANEL	ORTRONICS	N/A
24 PORT T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
48 POSITION PATCH PANEL	ORTRONICS	N/A
48 POSITION PATCH PANEL	ORTRONICS	N/A
48 PORT PATCH PANEL	ORTRONICS	48 PORT
24 POSITION PATCH PANEL	ORTRONICS	N/A
24 POSITION PATCH PANEL	ORTRONICS	N/A

Description	Manufacturer	Model #
48 POSITION PATCH PANEL	ORTRONICS	N/A
PATCH PANEL	ORTRONICS	N/A
24 PORT T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
24 POSITION PATCH PANEL	ORTRONICS	N/A
ORTRONICS PATCH PANEL	ORTRONICS	48 PORT
48 POSITION PATCH PANEL	ORTRONICS	N/A
24 POSITION PATCH PANEL	ORTRONICS	N/A
24 PORT T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
24 PORT PATCH PANEL	ORTRONICS	24 PORT
96 POSITION FIBER LIGHT GUIDE	ORTRONICS	N/A
48 PORTS T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
48 POSITION PATCH PANEL	ORTRONICS	N/A
48 PORT T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
96 PORT T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
24 POSITION PATCH PANEL	ORTRONICS	N/A
24 PORT T568B	ORTRONICS	N/A
48 PORTS T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
48 PORT T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
48 PORT T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
CAT 5 48 PORT PATCH PANEL	ORTRONICS	N/A
48 POSITION PATCH PANEL	ORTRONICS	N/A
48 POSITION PATCH PANLE	ORTRONICS	N/A
96 PORT T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
24 PORT T2568B CATAGORY 5 PATCH PANEL	ORTRONICS	N/A
96 PORT T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
CAT 5 24 PORT PATCH PANEL	ORTRONICS	N/A
48 PORT T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
48 PORT T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
48 PORT T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
CAT 5 24 PORT PATCH PANEL	ORTRONICS	N/A
48 POSITION PATCH PANEL	ORTRONICS	N/A
96 PORT T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
48 POSITION PATCH PANEL	ORTRONICS	N/A

Description	Manufacturer	Model #
48 PORT T568B CATEGORY 5 PATCH PANEL	ORTRONICS	N/A
RELAY RACK 19"x84"	ORTRONICS	N/A
96 PORT PATCH PANEL	.OTRONICS	OR-808004996
WIRE MANAGEMENT	PANDUIT	WMPH
WIRE MANAGEMENT	PANDUIT	WMPH
WIRE MANAGEMENT	PANDUIT	WMPH
24 PORT T568B CATEGORY 5 PATCH PANEL	PANDUIT	N/A
CABLE MNGT	PANDUIT	N/A
WIRE MANAGEMENT	PANDUIT	WMPH
CAT 5 96 PORT PATCH PANEL	PANDUIT	N/A
WMPFS WIRE MNGT	PANDUIT	N/A
WIRE MANAGEMENT	PANDUIT	WMPH
CABLE MNGT	PANDUIT	N/A
CD BURNER	PHILLIPS	N/A
SENSAPHONE	PHONETICS	N/A
SENSAPHONE	PHONETICS	N/A
6500 SENSAPHONE	PHONETICS	N/A
SENSAPHONE	PHONETICS	N/A
SENSAPHONE	PHONETICS	N/A
6500 SENSAPHONE	PHONETICS	N/A
SENSAPHONE EXPRESS	PHONETICS	N/A
SENSAPHONE	PHONETICS	N/A
SENSAPHONE	PHONETICS	N/A
SENSAPHONE	PHONETICS	N/A
SENSAPHONE	PHONETICS	N/A
SENSAPHONE EXPRESS	PHONETICS	N/A
SENSAPHONE EXPRESS	PHONETICS	N/A
SENSAPHONE EXPRESS	PHONETICS	N/A
SENSAPHONE	PHONETICS	N/A
6500 SENSAPHONE	PHONETICS	N/A
SENSAPHONE	PHONETICS	N/A
SENSAPHONE	PHONETICS	N/A
6500 SENSAPHONE	PHONETICS	N/A

Description	Manufacturer	Model #
SENSAPHONE	PHONETICS	N/A
SENSO PHONE 6500	PHONETICS	N/A
SENSAPHONE	PHONETICS	N/A
SENSAPHONE EXPREAA	PHONETICS	N/A
SENSO PHONE	PHONETICS	N/A
SENSAPHONE	PHONETICS	N/A
6500 SENSAPHONE	PHONETICS	N/A
SENSAPHONE EXPRESS	PHONETICS	N/A
HANDSET LIFTER	PLANTRONICS	HL10
SOUND STATION	POLYCOM	POLYCOM
SOUND STATION	POLYCOM	POLYCOM
LIGHTNING PROTECTOR	PORTA SYSTEM	24025-6-FRJP
100 PR LINE PROTECTOR	PORTA SYSTEM	100 PR
LITHING PROTECTOR	PORTA SYSTEM	N/A
100 PR LINE PROTECTOR	PORTA SYSTEM	100 PR
LGHT PROTECTION	PORTA SYSTEMS	24025-66-FRJP
LGHT PROTECTION	PORTA SYSTEMS	24025-66-FRJP
BATTERY HOLDER	POWER	N/A
BATTERY VOLTAGE 2.25V	POWER	N/A
BATTERY VOLTAGE 2.25V	POWER	N/A
2554 WALL PHONE ASH	PREMIER	2554-44-VBA-20M
2554 WALL PHONE ASH	PREMIER	2554-44-VBA-20M
2554 WALL PHONE ASH	PREMIER	2554-44-VBA-20M
2554 WALL PHONE	PREMIER	2554-44-VBA-20M
2554 WALL PHONE ASH	PREMIER	2554 44-VBA-20M
2554 WALL PHONE	PREMIER	2554-44-VBA-20M
2554 WALL PHONE	PREMIER	2554-44-VBA-20M
2500 DESK PHONE BLK	PREMIER	2500-00-VBA-20M
2500 DESK PHONE BLK	PREMIER	2500-00-VBA-20M
2554 WALL PHONE ASH	PREMIER	2554-44-VBA-20M
2554 WALL PHONE	PREMIER	2554-44-VBA-20M
2554 WALL PHONE	PREMIER	2554-44-VBA-20M
2554 WALL PHONE ASH	PREMIER	2554-44-VBA-20M

Description	Manufacturer	Model #
TYE WRAP 12"	PREMIER	739409
2554 WALL PHONE BLK	PREMIER	255400VBA20M
2554 WALL PHONE BLK	PREMIER	255400VBA20M
2500 Desk Phone Ash	PREMIER	2500
2554 WALL PHONE BLK	PREMIER	255400VBA20M
2554 WALL PHONE	PREMIER	2554-44-VBA-2OM
WALL PHONE	PREMIER	25540015
ANALOG PHONE	PREMIER	2500
WALL PHONE	PREMIER	255415
ANALOG PHONE	PREMIER	2500
ANALOG PHONE	PREMIER	2554
ANALOG PHONE	PREMIER	2554
ANALOG PHONE	PREMIER	2500
ANALOG PHONE	PREMIER	2554
ANALOG PHONE	PREMIER	2500
ANALOG PHONE	PREMIER	2500
ANALOG PHONE	PREMIER	2554
ANALOG PHONE	PREMIER	2500
ANALOG PHONE	PREMIER	2554
ANALOG PHONE	PREMIER	2500
ANALOG PHONE	PREMIER	2500
2554 Wall Phone Ash	PREMIER	2554
2554 Wall Phone Ash	PREMIER	2554
2554 Wall Phone Ash	PREMIER	2554
2554 Wall Phone Ash	PREMIER	2554
2554 Wall Phone Ash	PREMIER	2554
ANALOG PHONE	PREMIER	2500
2554 Wall Phone Ash	PREMIER	2554
2500 Desk Phone Ash	PREMIER	2500
ANALOG PHONE	PREMIER	2500
ANALOG PHONE	PREMIER	2500
ANALOG PHONE	PREMIER	2500
ANALOG PHONE	PREMIER	2500

NXT 5614

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Description	Manufacturer	Model #
ANALOG PHONE	PREMIER	2500
ANALOG PHONE	PREMIER	2500
ANALOG PHONE	PREMIER	2500
ANALOG PHONE	PREMIER	2500
ANALOG PHONE	PREMIER	2500
ANALOG PHONE	PREMIER	2500
ANALOG PHONE	PREMIER	2500
WALL PHONE	PREMIER	255415
ANALOG PNONE	PREMIER	2500
2554 Wall Phone Ash	PREMIER	2554
ANALOG PHONE	PREMIER	2500
ANALOG PHONE	PREMIER	2500
ANALOG PHONE	PREMIER	2500
ANALOG PHONE	PREMIER	2500
ANALOG PHONE	PREMIER	2500
NALOG PHONE	PREMIER	2500
ANALOG PHONE	PREMIER	2500
ANALOG PHONE	PREMIER	2500
ANALOG PHONE	PREMIER	2500
ANALOG PHONE	PREMIER	2500
ANALOG PHONE	PREMIER	2500
2500 Desk Phone Ash	PREMIER	2500
2554 Wall Phone Ash	PREMIER	2554
2554 Wall Phone Ash	PREMIER	2554
2554 Wall Phone Ash	PREMIER	2554
2500 Desk Phone Ash	PREMIER	2500
2500 Desk Phone Ash	PREMIER	2500
2554 Wall Phone Ash	PREMIER	2554
2554 Wall Phone Ash	PREMIER	2554
2554 Wall Phone Ash	PREMIER	2554
2500 Desk Phone Ash	PREMIER	2500
2500 Desk Phone Ash	PREMIER	2500
2500 Desk Phone Ash	PREMIER	2500

NXT 5615

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Description	Manufacturer	Model #
2500 Desk Phone Ash	PREMIER	2500
2500 Desk Phone Ash	PREMIER	2500
2500 Desk Phone Ash	PREMIER	2500
2554 Wall Phone Ash	PREMIER	2544
2500 Desk Phone Ash	PREMIER	2500
2500 Desk Phone Ash	PREMIER	2500
2500 Desk Phone Ash	PREMIER	2500
2500 Desk Phone Ash	PREMIER	2500
2500 Desk Phone Ash	PREMIER	2500
2554 Wall Phone Ash	PREMIER	2554
2500 Desk Phone Ash	PREMIER	2500
2554 Wall Phone Ash	PREMIER	2554
2500 Desk Phone Ash	PREMIER	2500
2500 Desk Phone Ash	PREMIER	2500
2554 Wall Phone Ash	PREMIER	2554
2554 Wall Phone Ash	PREMIER	2554
2554 Wall Phone Ash	PREMIER	2554
2554 Wall Phone Ash	PREMIER	2554
2500 Desk Phone Ash	PREMIER	2500
CD TOWER 7 CD ROM	PROCOM	N/A
EXCALIBUR	RACAL	ISX5300
EXCALIBUR ISX 5300	RACAL	N/A
RACAL VADIE MODEM	RACAL-DATACOM	N/A
EXCALIBUR ISX 5300	RACAL-DATACOM	N/A
PROGRAMMABLE SINGLE LINE PHONE	RATH MICROTECH	2300-674BL
PROGRAMMABLE SINGLE LINE PHONE	RATH MICROTECH	2300-674BL
PROGRAMMABLE SINGLE LINE PHONE	RATH MICROTECH	2300-674BL
PROGRAMMABLE SINGLE LINE PHONE	RATH MICROTECH	2300-674BL
PROGRAMMABLE SINGLE LINE PHONE	RATH MICROTECH	2300-674BL
AM/FM STEREO RECEIVER	REALISTIC	N/A
ELEVATOR PHONE	RING	SSP-561-X-C
ELEVATOR PHONE	RING	RING
ELEVATOR PHONE	RING	RING

NXT 5616

PSC 7279

Description	Manufacturer	Model #
ELEVATOR PHONE	RING	RING
RING ELEVATOR PHONE	RING	ELEV PHONE
ELEVATOR PHONE	RING	RING
ELEVATOR PHONE	RING	RING
RING MASTER ELEVATOR PHONE	RING	RING
LANDING PHONE	RING	SS911/AN912
LANDING PHONE	RING	SS911/AN912
LANDING PHONE	RING	SS911/AN912
RING ELEVATOR PHONE	RING	ELEV PHONE
LANDING PHONE	RING	SS911/AN912
ELEVATOR PHONE	RING	RING
ELEVATOR PHONE	RING	RING
RING SMALL ELEVATOR PHONE	RING	RING
RING ELEVATOR PHONE	RING	RING
ELEVATOR PHONE	RING	RING
ELEVATOR PHONE	RING	RING
LANDING PHONE	RING	SS911/AN912
RING ELEVATOR PHONE	RING	RING
ELEVATOR PHONE	RING	RING
DIGITAL PHONE	RING	SS911/AN912
ELEVATOR PHONE	RING	RING
ELEVATOR PHONE	RING	SS911/AN912
ELEVATOR PHONE	RING	RING
ELEVATOR PHONE	RING	RING
ELEVATOR PHONE	RING	RING
ELEVATOR PHONE	RING	RING
ELEVATOR PHONE	RING	RING
LANDING PHONE	RING	SS911/AN912
RING ELEVATOR PHONE	RING MASTER	RING
RING ELEVATOR PHONE	RING MASTER	RING
RING ELEVATOR PHONE	RING MASTER	RING
RING ELEVATOR PHONE	RING MASTER	RING

Description	Manufacturer	Model #
RING ELEVATOR PHONE	RING MASTER	RING
RING ELEVATOR PHONE	RING MASTER	RING
RING ELEVATOR PHONE	RING MASTER	RING
RING ELEVATOR PHONE	RING MASTER	RING
RING ELEVATOR PHONE	RING MASTER	RING
RING ELEVATOR PHONE	RING MASTER	RING
RING ELEVATOR PHONE	RING MASTER	RING
RING ELEVATOR PHONE	RING MASTER	RING
RING ELEVATOR PHONE	RING MASTER	RING
RING ELEVATOR PHONE	RING MASTER	RING
RING ELEVATOR PHONE	RING MASTER	RING
RING ELEVATOR PHONE	RING MASTER	RING
RING ELEVATOR PHONE	RING MASTER	RING
RING ELEVATOR PHONE	RING MASTER	RING
CARD CAGE (RINGMASTER INTERCOM)	RINGMASTER	N/A
UPS	RINGMASTER	N/A
RINGMASTER HANDSET	RINGMASTER	N/A
MODEM	ROBOTICS	N/A
33.6 MODEM 876-8061	ROBOTICS	N/A
PASSPORT READER	ROCHFORD	RTE6700
PASSPORT READER	ROCHFORD	RTE6700
PASSPORT READER	ROCHFORD	RTE6700
PASSPORT READER	ROCHFORD	RTE6700
PASSPORT READER	ROCHFORD	RTE6700
PASSPORT READER	ROCHFORD	RTE6700
PASSPORT READER	ROCHFORD	RTE6700
PASSPORT READER	ROCHFORD	RTE6700
PASSPORT READER	ROCHFORD	RTE6700
PASSPORT READER	ROCHFORD	RTE6700
PASSPORT READER	ROCHFORD	RTE6700
PASSPORT READER	ROCHFORD	RTE6700
PASSPORT READER	ROCHFORD	RTE6700

NXT 5618

PSC 7281

Description	Manufacturer	Model #
PASSPORT READER	ROCHFORD	RTE6700
PASSPORT READER	ROCHFORD	RTE6700
PASSPORT READER	ROCHFORD	RTE6700
PASSPORT READER	ROCHFORD	RTE6700
PASSPORT READER	ROCHFORD	RTE6700
PASSPORT READER	ROCHFORD	RTE6700
PROCESSOR CARD	SCANVEST RING	N/A
TIMING CARD	SCANVEST RING	N/A
AUDIO CONTROL	SCANVEST RING	N/A
LINK CARD	SCANVEST RING	N/A
PROGRAM DISTRIBUTION CARD	SCANVEST RING	N/A
STY1	SCANVEST RING	N/A
TIMING CARD	SCANVEST RING	N/A
STY1	SCANVEST RING	N/A
LINK CARD	SCANVEST RING	N/A
POWER CARD	SCANVEST RING	N/A
SENSAPHONE	SENSAPHONE	N/A
SENSAPHONE	SENSAPHONE	N/A
SENSAPHONE	SENSAPHONE	N/A
SENSAPHONE	SENSAPHONE	N/A
SENSAPHONE	SENSAPHONE	N/A
SENSAPHONE 6500	SENSAPHONE	6500
SENSAPHONE	SENSAPHONE	N/A
SENSAPHONE 6500	SENSAPHONE	6500
SENSAPHONE	SENSAPHONE	N/A
SENSAPHONE	SENSAPHONE	N/A
SENSAPHONE 6500	SENSAPHONE	6500
96 POSITION FIBER LIGHT GUIDE	SIECOR	MIL-9000PSAC
96 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
96 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
96 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
96 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
96 POSITION FIBER LIGHT GUIDE	SIECOR	N/A

Description	Manufacturer	Model #
96 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
LIGHT GUIDE	SIECOR	N/A
LIGHT GUIDE	SIECOR	N/A
LIGHT GUIDE	SIECOR	N/A
96 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
96 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
96 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
24 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
96 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
24 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
96 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
96 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
96 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
LIGHT GUIDE	SIECOR	N/A
LIGHT GUIDE	SIECOR	N/A
24 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
96 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
96 FIBER PATCH PANEL	SIECOR	N/A
12 FIBER PATCH PANEL- RACK	SIECOR	N/A
SPLICE TRAY	SIECOR	N/A
24 FIBER PATCH PANEL RACK	SIECOR	N/A
24 FIBER PATCH PANEL -RACK	SIECOR	N/A
96 FIBER PATCH PANEL	SIECOR	N/A
SPLICE TRAY	SIECOR	N/A
96 FIBER PATCH PANEL	SIECOR	N/A
LIGHT GUIDE	SIECOR	N/A
96 FIBER PATCH PANEL	SIECOR	N/A
96 FIBER PATCH PANEL	SIECOR	N/A
96 FIBER PATCH PANEL	SIECOR	N/A
24 FIBER PATCH PANEL-RACK	SIECOR	N/A
24 FIBER PATCH PANEL RACK	SIECOR	N/A
24 FIBER PATCH PANEL RACK	SIECOR	N/A
96 FIBER PATCH PANEL	SIECOR	N/A

NXT 5620

PSC 7283

Description	Manufacturer	Model #
LIGHT GUIDE	SIECOR	N/A
LIGHT GUIDE	SIECOR	N/A
LIGHT GUIDE	SIECOR	N/A
24 FIBER PATCH PANEL RACK	SIECOR	N/A
12 FIBER PATCH PANEL RACK	SIECOR	N/A
12 FIBER PATCH PANEL RACK	SIECOR	N/A
SPLICE TRAY	SIECOR	N/A
LIGHT GUIDE	SIECOR	N/A
LIGHT GUIDE	SIECOR	N/A
96 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
96 FIBER PATCH PANEL	SIECOR	N/A
LIGHT GUIDE	SIECOR	N/A
LIGHT GUIDE	SIECOR	N/A
LIGHT GUIDE	SIECOR	N/A
LIGHT GUIDE	SIECOR	N/A
24 FIBER PATCH PANEL- RACK	SIECOR	N/A
72 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
24 FIBER PATCH PANEL RACK	SIECOR	N/A
24 FIBER PATCH PANEL RACK	SIECOR	450-24T
96 FIBER PATCH PANEL	SIECOR	N/A
12 FIBER PATCH PANEL RACK	SIECOR	N/A
24 POSITION FIBER PATCH PANEL	SIECOR	N/A
24 FIBER PATCH PANEL RACK	SIECOR	N/A
72 POSITION FIBER	SIECOR	N/A
24 FIBER PATCH PANEL RACK	SIECOR	N/A
96 FIBER PATCH PANEL	SIECOR	N/A
96 FIBER PATCH PANEL	SIECOR	N/A
72 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
72 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
12 FIBER PATCH PANEL RACK	SIECOR	N/A
FUSION BOX	SIECOR	N/A
12 FIBER PATCH PANEL RACK	SIECOR	N/A
96 FIBER PATCH PANEL	SIECOR	N/A

Description	Manufacturer	Model #
CONN PANEL W/G SC SLVS/WALL	SIECOR	N/A
CONN PANEL W/G SC SLUS/WALL	SIECOR	N/A
12 FIBER PATCH PANEL RACK	SIECOR	N/A
CONN PANEL W/G SC SLVS/WALL	SIECOR	N/A
24 FIBER PATCH PANEL RACK	SIECOR	N/A
24 FIBER PATCH PANEL RACK	SIECOR	N/A
12 FIBER PATCH PANEL RACK	SIECOR	N/A
96 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
96 FIBER PATCH PANEL	SIECOR	N/A
12 FIBER PATCH PANEL RACK	SIECOR	N/A
24 FIBER PATCH PANEL RACK	SIECOR	N/A
24 FIBER PATCH PANEL RACK	SIECOR	N/A
96 FIBER PATCH PANEL	SIECOR	N/A
24 FIBER PATCH PANEL RACK	SIECOR	N/A
12 POSITION LIGHT GUIDE	SIECOR	N/A
96 FIBER LIGHT GUIDE	SIECOR	N/A
12 FIBER PATCH PANEL RACK	SIECOR	N/A
24 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
48 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
24 POSITION FIBER	SIECOR	N/A
LIGHT GUIDE	SIECOR	N/A
FIBER FUSION BOX	SIECOR	N/A
96 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
LIGHT GUIDE	SIECOR	N/A
96 FIBER LIGHT GUIDE	SIECOR	N/A
24 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
96 POSITION FIBER PANEL	SIECOR	N/A
24 POSITION FIBER PANEL	SIECOR	N/A
LIGHT GUIDE	SIECOR	N/A
FUSION BOX	SIECOR	N/A
96 POSITION FIBER	SIECOR	N/A
72 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
24 FIBER PATCH PANEL RACK	SIECOR	N/A

NXT 5622

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Description	Manufacturer	Model #
24 FIBER PATCH PANEL RACK	SIECOR	N/A
96 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
24 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
FUSION BOX	SIECOR	N/A
96 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
144 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
96 POSITION FIBER PANEL	SIECOR	N/A
72 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
96 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
96 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
96 FIBER PATCH PANEL	SIECOR	N/A
24 FIBER PATCH PANEL RECK	SIECOR	N/A
24 FIBER PATCH PANEL RECK	SIECOR	N/A
144 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
96 POSITION LIGHT GUIDE	SIECOR	N/A
FIBER SPLICE CASE	SIECOR	N/A
FIBER LIGHT GUIDE 24 POSITION	SIECOR	N/A
72 POSITION LIGHT GUIDE	SIECOR	N/A
96 POSITION LIGHT GUIDE	SIECOR	N/A
96 POSITION LIGHT GUIDE	SIECOR	N/A
LIU	SIECOR	
SPLICE CASE	SIECOR	N/A
96 POSITION LIGHT GUIDE	SIECOR	N/A
12 POSITION LIGHT GUIDE	SIECOR	N/A
96 POSITION LIGHT GUIDE	SIECOR	N/A
96 POSITION LIGHT GUIDE	SIECOR	N/A
FIBER LIGHT GUIDE	SIECOR	N/A
72 POSITION LIGHT GUIDE	SIECOR	N/A
FIBER OPTIC LIGHT GUIDE 96POS	SIECOR	N/A
96 POSITION LIGHT GUIDE	SIECOR	N/A
FIBER LIGHT GUIDE	SIECOR	N/A
FIBER OPTIC LIGHT GUIDE 96 POC	SIECOR	N/A
FIBER OPTIC LIGHT GUIDE 96 POS	SIECOR	N/A

Description	Manufacturer	Model #
FIBER OPTIC LIGHT GUIDE 96 POC.	SIECOR	N/A
96 POS LIGHT GUIDE	SIECOR	N/A
144 POS LIGHT GUIDE	SIECOR	N/A
96 POS LIGHT GUIDE	SIECOR	N/A
24 POSITION LIGHT GUIDE	SIECOR	N/A
96 POS LIGHT GUIDE	SIECOR	N/A
24 POSITION LIGHT GUIDE	SIECOR	N/A
FIBER LIGHT GUIDE	SIECOR	N/A
FIBER LIGHT GUIDE	SIECOR	N/A
FIBER LIGHT GUIDE	SIECOR	N/A
LIGHT GUIDE	SIECOR	N/A
24 POS LIGHT GUIDE	SIECOR	N/A
FIBER LIU	SIECOR	N/A
96 POS LIGHT GUIDE	SIECOR	N/A
96 POSITION PATCH PANEL	SIECOR	N/A
96 POSITION LIGHT GUIDE	SIECOR	N/A
96 POSITION LIGHT GUIDE	SIECOR	N/A
48 LIGHT GUIDE	SIECOR	N/A
48 LIGHT GUIDE	SIECOR	N/A
48 LIGHT GUIDE	SIECOR	N/A
LIU	SIECOR	
24 FIBER PATCH PANEL RACK	SIECOR	N/A
CCH-02U FIBER HOUSING	SIECOR	N/A
FIBER LIGHT GUIDE	SIECOR	N/A
FIBER LIGHT GUIDE	SIECOR	N/A
FIBER LIGHT GUIDE	SIECOR	N/A
FIBER LIGHT GUIDE	SIECOR	N/A
FIBER LIGHT GUIDE	SIECOR	N/A
48 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
24 FIBER PATCH PANEL RACK	SIECOR	N/A
FUSION LIGHT GUIDE	SIECOR	N/A
48 LIGHT GUIDE	SIECOR	N/A
8 LIGHT GUIDE	SIECOR	N/A

Description	Manufacturer	Model #
48 LIGHT GUIDE	SIECOR	N/A
96 POSITION LIGHT GUIDE	SIECOR	N/A
90 LIGHT GUIDE	SIECOR	N/A
24 POSITION LIGHT GUIDE	SIECOR	N/A
36 LIGHT GUIDE	SIECOR	N/A
96 POSITION LIGHT GUIDE	SIECOR	N/A
96 POSITION LIGHT GUIDE	SIECOR	N/A
96 POSITION LIGHT GUIDE	SIECOR	N/A
UU	SIECOR	WCH-06P
UU	SIECOR	WCH-02P
CCH-01U FIBER HOUSING	SIECOR	N/A
CCH-01U FIBER HOUSING	SIECOR	N/A
72 POSITION LIGHT GUIDE	SIECOR	N/A
96 POSITION LIGHT GUIDE	SIECOR	N/A
FIBER LIGHT GUIDE	SIECOR	N/A
FIBER LIGHT GUIDE	SIECOR	N/A
FIBER LIGHT GUIDE	SIECOR	N/A
FIBER LIGHT GUIDE	SIECOR	N/A
72 FIBER LIGHT GUIDE	SIECOR	N/A
72 FIBER LIGHT GUIDE	SIECOR	N/A
FIBER SPLICE GUIDE	SIECOR	N/A
96 FIBER LIGHT GUIDE	SIECOR	N/A
96 FIBER LIGHT GUIDE	SIECOR	N/A
FIBER LIGHT GUIDE	SIECOR	N/A
FIBER LIGHT GUIDE	SIECOR	N/A
FIBER LIGHT GUIDE	SIECOR	N/A
24 POSITION FIBER LIGHT GUIDE	SIECOR	N/A
FIBER LIGHT GUIDE	SIECOR	N/A
96 FIBER LIGHT GUIDE	SIECOR	N/A
24 PORT PATCH PANEL	SIEMON	HD5-24
RJ-11 INSERT WHT	SIEMON	MX3-F-U3002
CAT 5 INSERT GREY	SIEMON	MX5-F04B
CAT 5 INSERT WHT	SIEMON	MX5-F02B

Description	Manufacturer	Model #
QUAD FACEPLATE	SIEMON	MX-FP-S-04-02
48 PORT PATCH PANEL	SIEMON	HD5-48
19" RACK BLACK	SIEMON	RS-07
19" RACK BLACK	SIEMON	RS-07
19" RACK BLACK	SIEMON	RS-07
CAT 5 INSERT BLUE	SIEMON	MX5-F06B
24 PORT PATCH PANEL	SIEMONS	HD24T
CLOSET CONN. HOUSING	SIERCO	02U
SITA/CUTE SOFTWARE	SITA	SITA-CUTEMUS5C
SITA BTP FIRMWARE LICENSE	SITA	BTPF
SITA BGR LICENSE	SITA	SITA-BGRF
EQUIP/MON/MODEM	SPECTRON	MIL-9000PSAC
24PT CAT5 PATCH PANEL	SPRINT	N/A
MOUSE	SUN	N/A
EXTERNAL SCSI DRIVE	SUN	N/A
SPARCSTATION 20	SUN	N/A
SPARCSTATION 20	SUN	N/A
SUN MONITOR	SUN	N/A
EXTERNAL POWER SUPPLY	SUN	N/A
KEYBOARD	SUN	N/A
EXTERNAL SCSI DRIVE	SUN	N/A
EXTERNAL CD ROM	SUN	N/A
KEYBOARD	SUN	N/A
KEYBOARD	SUN	N/A
MONITOR FOR 46020	SUN	N/A
MOUSE	SUN	N/A
HARD DRIVE	SUN	N/A
PC	SUN	N/A
KEYBOARD	SUN	N/A
MOUSE	SUN	N/A
MONITOR	SUN	N/A
MONITOR	SUN	N/A
MOUSE	SUN	N/A

Description	Manufacturer	Model #
SPARCSTATION 60	SUN	N/A
MODEM	SUPERFAX	N/A
354-ST TOKEN RING DIGI	SYNOPTICAS	N/A
TOKEN RING SWITCH	SYNOPTICS	2715SA-F
TOKEN RING SWITCH 16 PORT	SYNOPTICS	2715SA-F
TOKEN RING SWITCH 16 PORT	SYNOPTICS	2715SA-F
DVR	TEL STRAT	740-01060-01
TELEPHONE RECORDER	TEL STRAT	740-01060-01
7201 2W SWITCHED GAIN REPEATER	TELLABS	N/A
MOUNTING SHELF	TELLABS	N/A
PBX DATA RECORDER	TELTRONICS	N/A
SEB II	TELTRONICS	N/A
SMART MODEM	ULTRA	N/A
UNISYS KEYBOARD	UNISYS	N/A
UNISYS MONITOR	UNISYS	N/A
MERIDIAN PC	UNISYS	N/A
MUSIC ON HOLD FEATURE	UNIVERSITY SOUND	N/A
POWER SUPPLY	UPS	N/A
POWER SUPPLY	UPS	N/A
POWER SUPPLY	UPS	N/A
POWER SUPPLY	UPS	N/A
56K MODEM	US ROBOTIC	N/A
SPORSTER 1200 MODEM	US ROBOTIC	N/A
56K MODEM	US ROBOTIC	N/A
SPORSTER 2400 MODEM	US ROBOTIC	N/A
US ROBOTIC 33 6F MODEM	US ROBOTIC	N/A
56k MODEM	US ROBOTICS	USR5686D
MODEM	US ROBOTICS	USR5686D
MODEM 14,4	US ROBOTICS	N/A
33.6 MODEM	US ROBOTICS	N/A
56K MODEM	US ROBOTICS	N/A
33.6 MODEM	US ROBOTICS	N/A
56K MODEM	US ROBOTICS	N/A

Description	Manufacturer	Model #
MODEM 56K	US ROBOTICS	N/A
MODEM	US ROBOTICS	USR5686D
TELEPHONE POWER SUPPLY	VALCOM	N/A
C O. AUDIBLE RIGING UNIT	VALCOM	N/A
C.O. AUDIBLE RIGING UNIT	VALCOM	N/A
SQUAK BOX	VALCOM	N/A
VP-2048B PAGING SYSTEM	VALCOM	N/A
SQUAK BOX	VALCOM	N/A
MULTI ZONE CONTROLLER	VALCOM	N/A
VALCOM SQUQT BOX	VALCOM	N/A
VALCOM POWER SUPPLY	VALCOM	N/A
TELEPHONE POWER SUPPLY	VALCOM	N/A
9 ZONE ONE WAY PAGE CONTROL	VALCOM	N/A
ACCESS MODULE	VALCOM	N/A
HORN/SPEAKER 15 WATTS	VALCOM	N/A
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41

Description	Manufacturer	Model #
MONITOR 21PS	VIEWSONIC	N/A
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR 21PS	VIEWSONIC	N/A
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
MONITOR	VIEWSONIC	Q41
RED PLASTIC DESK PHONE	VIKING	K-1500P-D
RED PLASTIC DESK PHONE	VIKING	K-1500P-D
RED PLASTIC DECK PHONE	VIKING	K-1500P-D
RED PLASTIC DESK PHONE	VIKING	K-1500P-D
RED PALSTIC DESK PHONE	VIKING	K-1500P-D
RED PLASTIC DESK PHONE	VIKING	K-1500P-D
RED PLASTIC DESK PHONE	VIKING	K-1500P-D
RED PLASTIC DESK PHONE	VIKING	K-1500P-D
RED PLASTIC DESK PHONE	VIKING	K-1500P-D
RED PLASTIC DESK PHONE	VIKING	K-1500P-D
RED PLASTIC DESK PHONE	VIKING	K-1500P-D
RED PLASTIC PHONE	VIKING	K-1500P-D
RED PLASTIC DESK PHONE	VIKING	K-1500P-D
VOICE BRIDGE SERIES II	VOICE BRIDGE	N/A

NXT 5629

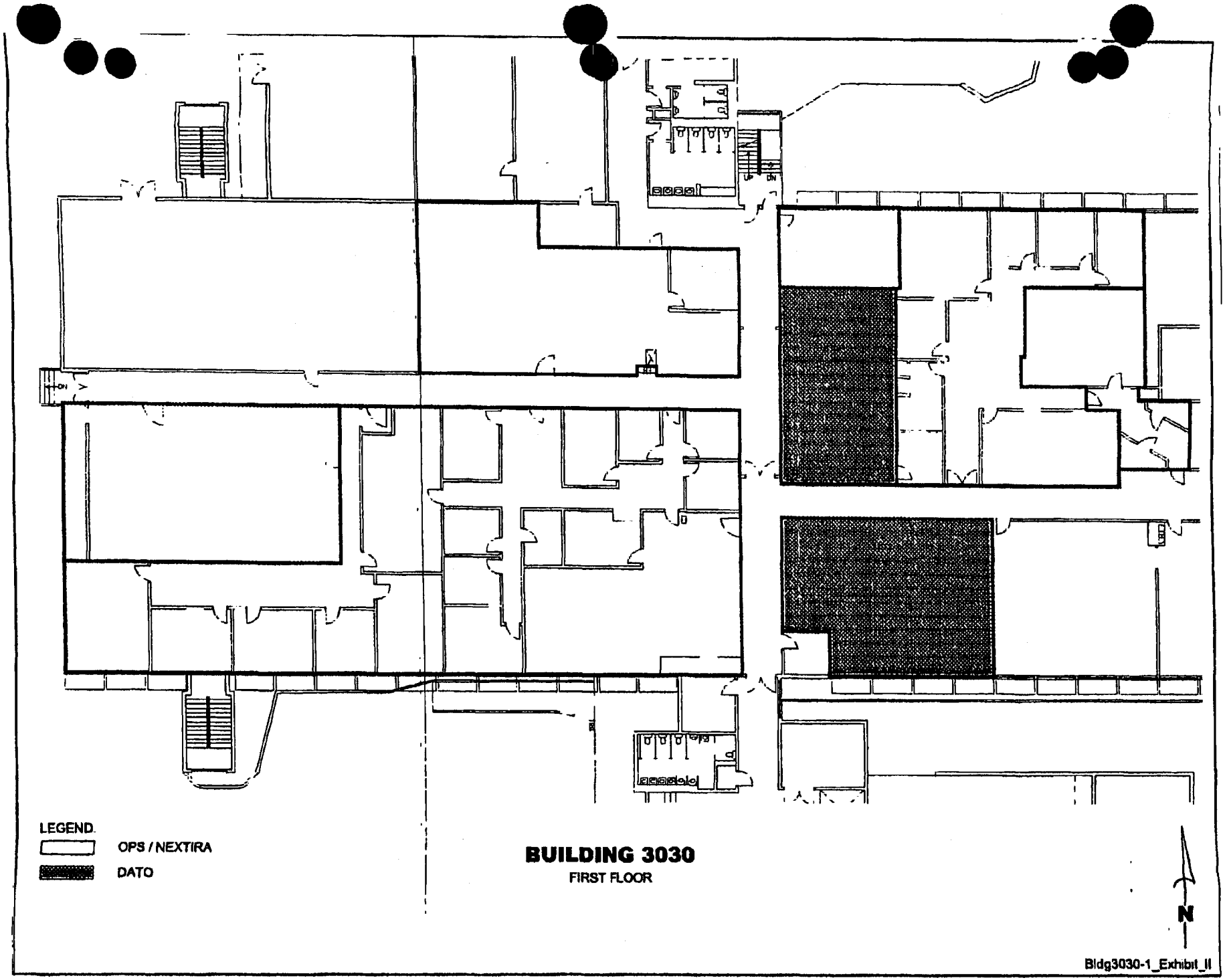
PSC 7292

Description	Manufacturer	Model #
POWER SUPPLY	WHEELLOCK	24V
TELBELL	WHEELLOCK	TB-592
DRY CONTACT INTERFACE	WHEELLOCK	DCI-24-24
STROBE	WHEELOCK	
CHIME	WHEELOCK	
WYSE TTY TERMINAL	WYSE	N/A
KEYBOARD 3030 SWITCH	WYSE	N/A

EXHIBIT H
EXISTING OPERATINGS/ENGINEERING SPACE

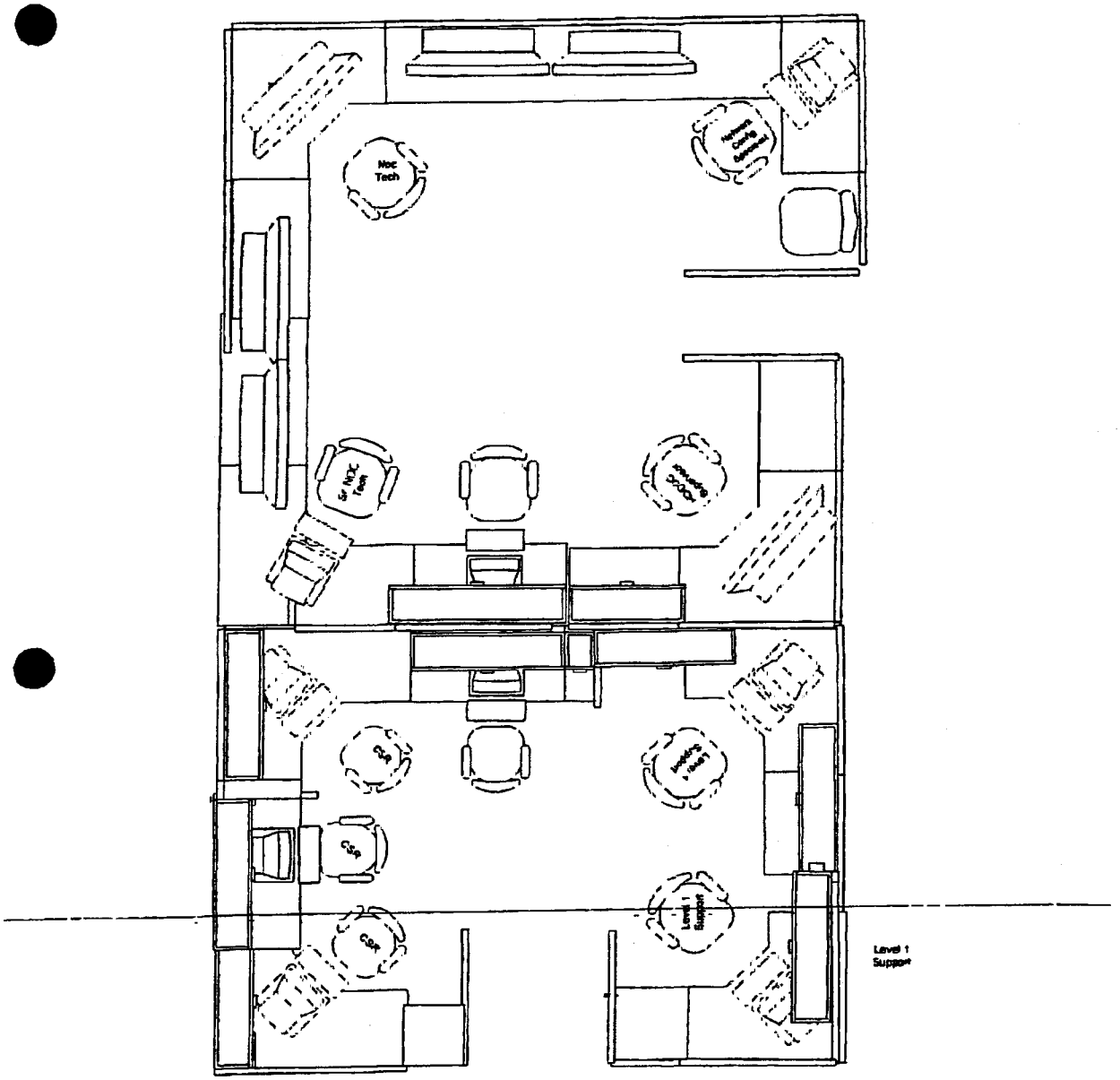
NXT 5631

PSC 7294



NXT 5632

PSC 7295



Network Operations Center & Help Desk Room Layout

NXT 5633

PSC 7296

FORMS FOR THE AGREEMENT

CONTRACTOR'S GUARANTEE

STATE OF FLORIDA)
ss
COUNTY OF MIAMI-DADE)

Before me, the undersigned authority, personally appeared

_____

who, being duly sworn, deposes and says as follows:

That he is the duly authorized representative of

_____

(Name of Contractor)

being its _____

(Partner) (President or other Officer)

and as such has full authority to execute this Contractor's Guarantee.

That the said Contractor has performed certain work for the Owner, under Contract No. _____ Entitled _____ which said Project has now been completed by the Contractor in its entirety.

That in consideration of the partial payments heretofore made by the Owner to the Contractor, and in consideration of the final payment yet to be made, the Contractor does hereby warrant to the Owner that all labor, work, materials and equipment furnished, supplied and performed under said Contract, are in strict accordance with the Contract Documents.

That should any defects develop in the work, during the guarantee periods as required by the Contract Documents, all from the date of final acceptance by the Owner, due to improper materials, workmanship or arrangement, or defective machinery and equipment, the Contractor warrants and covenants that the defects shall be made good by the Contractor, at the time specified by the Owner and that any other work affected in correcting such defects shall also be made good, all at the Contractor's sole cost and expense.

CONTRACTOR.

_____

Name of Contractor

By: _____

(Signature of Authorized Representative)

_____

(Title)

_____

(Date)

CONTRACTOR'S GUARANTEE (Cont'd)

STATE OF

COUNTY OF

The foregoing instrument was acknowledged before me this _____day of _____20 __.

by _____,
(Authorized Representative)

of _____, who is personally known to me or who
(Corporation, Partnership, etc.)

has produced _____as identification and who did/did not take an oath.

_____
(Signature of Notary)

_____
(Print Name)

Notarial Stamp or Seal

Notary Commission Number: _____

My Commission Expires: _____

SUBCONTRACTOR'S GUARANTEE

STATE OF FLORIDA)
ss
COUNTY OF MIAMI-DADE)

Before me, the undersigned authority, personally appeared

_____

Who, being duly sworn, deposes and says as follows:

That he is the duly authorized representative of :

_____
(Name of Subcontractor)

being its_____
(Owner) (Partner) (President or other Officer)
and as such has full authority to execute this Subcontractor's Guarantee.

That the said Subcontractor has performed certain work for _____ the General Contractor for the Owner, under Contract No. _____ which said work has now been completed by the Subcontractor in its entirety.

That in consideration of the partial payments heretofore made by the Contractor to the Subcontractor, and in consideration of the final payment yet to be made, the Subcontractor does hereby warrant to the Contractor that all labor, work, materials and equipment furnished, supplied and performed under the said Subcontract, by this Subcontractor, are in strict accordance with the Contract Documents.

That should any defects develop in the work during the guarantee periods as required by the Contract Documents, all from the date of final acceptance by the Owner, due to improper materials, workmanship or arrangement, or defective machinery and equipment, the Subcontractor warrants and covenants that promptly upon notice from the Contractor, the defects shall be made good by the Subcontractor at the time specified by the Contractor, and that any other work affected in correcting such defects shall also be made good, all at the subcontractor's sole cost and expense.

SUBCONTRACTOR:

_____
Name of Subcontractor

By: _____
(Signature of Authorized Representative)

_____
(Title)

_____
(Date)

SUBCONTRACTOR'S GUARANTEE (Cont'd)

STATE OF

COUNTY OF

The foregoing instrument was acknowledged before me this _____ day of _____, 20 __ by

_____,
(Authorized Representative)

of _____,
(Corporation, Partnership, etc.)

who is personally known to me or who has produced _____ as identification and

who did/did not take an oath.

_____
(Signature of Notary)

_____
(Print Name)

Notarial Stamp or Seal

Notary Commission Number: _____

My Commission Expires: _____

CONTRACTOR'S AFFIDAVIT AND RELEASE OF CLAIM FOR PAY APPLICATION FOR PAYMENT NO. __

STATE OF _____)
ss
COUNTY OF _____)

Before me, the undersigned authority, personally appeared the AFFIANT,_____

who being duly sworn, deposes and says as follows:

That they are the duly authorized representative of

_____

being its _____

and as such has full authority to make this affidavit and to give this Release of Claim.

That the said Contractor has completed certain work for the Owner, under its Contract No. dated _____, for which the Contractor has requested partial payment. This Application for Payment is for $_____, and of the said amount, the Contractor has heretofore received the sum of $ _____, under prior Pay Application No. _____ leaving a balance of $_____, now due and payable.

That the said Contractor hereby covenants that the claims of all persons supplying labor, materials and supplies, used directly or indirectly in the prosecution of the work covered by the aforesaid prior Application for Payment No. _____, have been paid in full.

That the said Contractor hereby releases the Owner from any and all claims of any nature arising out of the performance of the aforesaid certain work described in prior Pay Application No._____, and hereby accepts the aforesaid Amount in lieu of those claims.

CONTRACTOR:

_____
Name of Contractor

By _____
(Signature of Authorized Representative)

(Title) (Date)

NXT 5639

PSC 7302

CONTRACTOR'S AFFIDAVIT AND RELEASE OF CLAIM
FOR PAY APPLICATION FOR PAYMENT NO. ____ (Cont'd)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____day of _____ 20__, by

_____
(Authorized Representative)

of _____,
(Corporation, Partnership, etc.)

who is personally known to me or who has produced _____

as identification and who did/did not take an oath.

_____
(Signature of Notary)

_____
(Print Name)

Notarial Stamp or Seal

Notary Commission Number: _____

My Commission Expires: _____

NXT 5640

CONTRACTOR'S AFFIDAVIT AND RELEASE OF ALL CLAIMS

STATE OF _____)
ss
COUNTY OF _____)

Before me, the undersigned authority, personally appeared the AFFIANT,

_____

who being duly sworn, deposes and says as follows:

That they are the duly authorized representative of:

_____
(Name of Contractor)

being its _____
(Partner) (President or other Officer)

and as such has full authority to make this affidavit and to give this Release of All Claims.

That the said Contractor has completed certain work for the Owner, under its Contract No._____ dated _____, for which the Contractor has requested payment in full. The Final Contract Amount is $_____, and of the said amount, the Contractor has heretofore received the sum of $_____, leaving a retained balance of $_____, now due and payable.

That the said Contractor hereby covenants that the claims of all persons supplying labor, materials and supplies, used directly or indirectly in the prosecution of the work covered by the aforesaid Contract, have been paid in full, except for the sum of $_____, which shall be paid in full from the aforesaid retained balance due the Contractor.

That the said Contractor hereby releases the Owner from any and all claims of any nature arising out of the performance of the aforesaid Contract, and hereby accepts the aforesaid Final Contract Amount in lieu thereof

That the said Contractor hereby covenants that payment by the Owner of the Final Contract Amount in no way releases the Contractor from his continuing obligations under the Performance and Payment Bonds heretofore posted with the Owner, and the Surety on said Bonds hereby consents to the payment by the Owner of the retained funds.

CONTRACTOR:

_____
Name of Contractor

By _____
(Signature of Authorized Representative)

_____
(Title)

_____
(Date)

CONTRACTOR'S AFFIDAVIT AND RELEASE OF ALL CLAIMS (Cont'd)

STATE OF

COUNTY OF

The foregoing instrument was acknowledged before me this

day of _____ 20 _____, by

_____
(Authorized Representative)

of _____.
(Corporation, Partnership, etc.)

who is personally known to me or who has produced _____

as identification and who did/did not take an oath.

_____
(Signature of Notary)

_____
(Print Name)

Notarial Stamp or Seal

Notary Commission Number: _____

My Commission Expires: _____

SUBCONTRACTOR'S AFFIDAVIT IN COMPLIANCE WITH SECTION NO. 10-35, MIAMI-DADE COUNTY CODE

NOTE: The Prime Contractor shall attach this statement, completed by each First Tier Subcontractor whose work appears on the prior requisition for payment, and by each direct supplier to the Prime Contractor who has furnished materials directly to the Prime Contractor which materials were included in the prior requisition for payment.

Project Name: _____ Project Number: _____ Date: _____

Name - General Contractor _____
Name - Subcontractor/Supplier _____
Signature of Authorized Representative of Subcontractor/Supplier:
_____
Title: _____
Date: _____
This Affidavit is an attachment to the Prime Contractor's Pay Requisition No. _____.
Total Subcontract/Supplier Amount $ _____.
Amount of work done by Subcontractor/Supplier under this payrequisition is $ _____.

STATE OF
COUNTY OF
The foregoing instrument was acknowledged before me this _____ day of _____ 20__. by

_____
(Authorized Representative)
of _____
(Corporation, Partnership, etc.)
who is personally known to me or who has produced _____ as identification and who did/did not take an oath, deposes and says that pursuant to the provisions of the Contract for said project, all money due under prior requisitions for payment have been paid by _____, the Prime (General) Contractor.

_____
(Signature of Notary

_____
(Print Name)

Notary Commission Number: _____

My Commission Expires: _____

Notarial Stamp or Seal

NXT 5643

RELEASES OF CLAIM BY SUBCONTRACTORS REQUIRED

Section 10-35, Miami-Dade County Code

Before any prime contractor can receive any draw, except the first draw, for moneys due it as a result of a percentage of the work completed, it must pay all first-tier subcontractors and all direct suppliers of the prime contractor who have performed any work or supplied any materials directly to the prime contractor for the project as of that date their proportionate share of all previous draws and must provide the Owner's project manager with duly executed affidavits (subcontractor's statement of satisfaction) or releases of claim from all first-tier subcontractors and direct suppliers to the prime contractor who have performed any work or supplied any materials for the project as of that date, stating that said subcontractors and suppliers have been paid their proportionate share of all previous draws. In the event such affidavits cannot be furnished, the contractor may submit an executed consent of surety to requisition payment, identifying the subcontractors and suppliers, and the amounts for which the statement of satisfaction cannot be furnished. The Contractor's failure to provide a consent of surety to requisition payment will result in the amount in dispute being withheld until (1) the statement of satisfaction is furnished, or (2) consent of surety to requisition payment is furnished.

(Ord. No. 78-23, 4-4-78; Ord. No. 84-11, 2-7-84; Ord. No. 86-6, 2-4-86; Ord. No. 88-13, 3-1-88)

MIAMI-DADE COUNTY CLEARINGHOUSE
PROCEDURES FOR PLACING JOB OPPORTUNITIES
IN ACCORDANCE WITH RESOLUTIONS NO. R-937-98 AND R-1 145-99

1. Complete the attached Miami-Dade County Clearinghouse Opportunities, Job Order Request Form. Please provide as much detailed information as possible concerning the job openings (requirements. experience. job opportunities. hours. education, salary, employer contact information. etc.)

2.. The completed Job Order Request Form may be submitted to the Employee Relations Department by one of the following means:

A. The Job Order Request Form may be faxed directly to the Employee Relations Department:

FAX NUMBER: (305) 375-4138

B The Job Order Request Form may be E-mailed to:

SZM @ co.Miami-dade.fl.us

C The Job Order Request Form information may be mailed to the Employee Relations Department within ten (10) working days following the contract award:to

Ms. Maria M. Casellas
Director
Employee Relations Department
111 NW 1st Street. Suite 2110
Miami. Florida 33128

Questions regarding Miami-Dade County Job Clearinghouse Procedures may be directed to Ms. Connie Butler. Director. Career Development Division. Employee Relations Department. at (305) 375-2474.

MIAMI-DADE COUNTY EMPLOYEE RELATIONS DEPARTMENT

NOTICE OF CONSTRUCTION CLEARINGHOUSE JOB OPPORTUNITY

Resolution No. R-1145-99

MIAMI-DADE COUNTY PROVIDES EQUAL ACCESS OPPORTUNITY IN EMPLOYMENT AND SERVICES FOR MINORITIES/FEMALES AND APPLICANTS WITH DISABILITIES

To be completed by Employer/Contractor. Please print clearly or type. Use one form for each position title.

JOB OPPORTUNITY INFORMATION

Position Title	Application Deadline	
Job Site Location	Number of Openings	Hourly Rate
Describe Job Duties (Knowledge, skills, and abilities)		

Job Duration: ☐ Permanent ☐ Temporary If Temporary, how long? _____ Fringe Benefits? ☐ Yes ☐ No

Experience Required: ☐ No ☐ Will Train ☐ Yes If Yes, how much experience is required? (Months or Years) _____

Education Required: ☐ None ☐ H.S Diploma/GED ☐ AA Degree ☐ Bachelor's Degree ☐ Master's Degree ☐ Ph.D.

Certifications/Licenses Required: ☐ No ☐ Yes If Yes, please list _____

Driver's License Required: ☐ None ☐ Operator/Class E ☐ Commercial/Class ____ ☐ Chauffer/Class D

Language(s) Required: ☐ English ☐ Spanish ☐ Creole ☐ Other: _____

Applicants should contact employer by: ☐ Phone ☐ Fax Resume ☐ Mail Resume ☐ In person (days/hours) _____

EMPLOYER/CONTRACTOR INFORMATION

Business Name			Contract/Project Number
Address *(Street Name and Number)*		Suite. #	Federal ID #
City	State	Zip Code	Telephone Number
Type of Business			Fax Number
Contact Person			E-mail Address

Employer/Contractor, please fax this completed form to:

Attention: Clearinghouse
Miami-Dade Employee Relations Department
Career Development Division
111 NW First Street, Suite 2110
Miami, Florida 33128
Telephone: (305) 375-2473 Fax: (305) 375-4138
E-mail address: clearinghouse@miamidade.gov

********** *FOR OFFICIAL USE ONLY* **********

Date and time this notice received at Miami-Dade Employee Relations Department	Received by

Rev. 01/9/02

NXT 5646

PSC 7309

MIAMI-DADE COUNTY EMPLOYEE RELATIONS DEPARTMENT

CONSTRUCTION CLEARINGHOUSE JOB APPLICATION

Resolution No. R-1145-99

*MIAMI-DADE COUNTY PROVIDES EQUAL ACCESS OPPORTUNITY IN EMPLOYMENT AND SERVICES FOR MINORITIES/FEMALES AND APPLICANTS WITH DISABILITIES

Section 1. To be completed by Job Applicant. Please print clearly or type.

Title of Position Sought	Contract/Project Number
Name: Last First Middle Initial	Social Security #
Address (Street Name and Number) Apt. #	Home Telephone Number
City State Zip Code	Contact Telephone Number

Date of Birth: ___/___/___ ☐ Male ☐ Female Languages Spoken: ☐ English ☐ Spanish ☐ Creole ☐ Other: _____

Current Driver's License: ☐ None ☐ Operator/Class E ☐ Commercial/Class ____ ☐ Chauffer/Class D

Have you ever been employed in the construction industry? ☐ Yes ☐ No If yes, which trade? _____ How many years? ____

What hours you are available to work? ☐ 7 AM to 3 PM ☐ 8 AM to 5 PM ☐ Other: _____

What construction trade are you interested in?

☐ General Laborer	☐ Carpentry	☐ Electrical	☐ Mechanical	☐ Plumbing
☐ Site & Prep Work	☐ Equipment Operator	☐ Truck Driving	☐ Roofing	☐ Painting
☐ Sprinkler Fitting	☐ Drywall Finishing	☐ Tile Laying	☐ Landscaping	☐ Pipefitting
☐ _____	☐ _____	☐ _____	☐ _____	☐ _____

Certificates/Licenses: _____

Job References: _____

Applicant Signature	Date

********** *FOR OFFICIAL USE ONLY* **********

Section 2. To be completed by Employer/Contractor.

Title of Position Hired	Date of Hire
Duration of Job	Job Salary
Employer/Contractor	Contract/Project Number

Employer/Contractor, please submit a copy of this completed form to:

Attention: Clearinghouse
Miami-Dade Employee Relations Department
Career Development Division
111 NW First Street, Suite 2110
Miami, Florida 33128
Telephone: (305) 375-2473 Fax: (305) 375-4138
E-mail address: clearinghouse@miamidade.gov

NXT 5647

PSC 7310

DATE: _____

SIGN-OFF SHEET
MIAMI DADE AVIATION DEPARTMENT
UNDERGROUND UTILITIES CLEARANCE

MDAD PROJECT NAME&NUMBER/TASK ORDER NAME & NUMBER / WORK ORDER NUMBER:

/ _____ / / _____ / /

MDAD/DAC P.M.: _____ **REQUESTOR NAME** _____

CONTRACTOR/SHOP: _____ **TELEPHONE NO.** _____

LOCATION/SITE: **Terminal/MIAD/N.W. Area/ N.E. Base/ Central Base/ Tamiami/**
(CIRCLE ONE) **Opa-Locka/Homestead General/Other:**

STEP NO. 1

CONTACTS: SUNSHINE STATE ONE CALL OF FLORIDA, INC. (1-800-432-4770)
or (1-800-638-4097)

ALL SIGNATURES REQUIRED AND PLEASE ATTACH THE "ONE CALL" PARTICIPATING UTILITY LIST FOR THIS AREA.

STEP NO. 2

NAME OF CO /ORGANIZATION Date SIGNATURE

FPL LOCATOR-FAX 305-876-0347
(Joe Leon: 305-876-7896 or Tom Clark 305-876-7936) _____

AT&T
(John Pivacco: 305-869-5350) FAX:305-869-5390 _____

MDAD ENGINEERING-COMMUNICATIONS
(Lewis Buck: 305- 876-7013) FAX 305-876-0347 _____

WILLIAMS COMMUNICATIONS
(Lloyd Simmons: 305-876-8422)- FAX 305-869-5672 _____

MDAD IRRIGATION
(John Liotti 305- 876-7401) FAX 305-876-8087 _____

STEP NO. 3

MDAD UTILITIES COORD.
Titus Crisan 305-876-7898 or
Joe Kern - 876-7340 FAX 305-876-0347 _____

COMMENTS: _____

_____

NOTES.
1) THE LOCATION OF THE PROPOSED EXCAVATION MUST BE MARKED IN THE FIELD.
2) CONTRACTOR IS TO CONTACT THE ABOVE GROUPS TO SIGN-OFF ABOVE.
3) DRAWINGS OF PROPOSED EXCAVATION AREA ARE TO BE SUBMITTED TO MDAD UTILITIES
4) COORDINATOR AT TIME OF CLEARANCE REQUEST.
5) LAST SIGNATURE TO BE OBTAINED WILL BE THAT OF THE MDAD UTILITIES COORDINATOR

Revised 4/00

MDAD UNDERGROUND UTILITIES CLEARANCE

Requirements for filling out sign-off sheet and procedures.

CONTRACTOR/REQUESTOR IS TO:

Contact MDAD Utilities Coordinator to obtain direction and the MDAD Sign-off Sheet.

CALL/CONTACT:

a) Sunshine State one call of Florida, Inc. (Former U.N.C.L.E.) b) All companies/organizations (persons) which are on the MDAD Sign-off Sheet. c) Obtain Sign-off/Names of contract personnel for all utilities. Copies to be submitted to MDAD for their records.

Be prepared to submit to these companies drawings/maps of the work area.

Mark in field the location of the proposed work site.

Prepare a set of copies of all papers/maps regarding the project (for MDAD records).

Call the MDAD Utilities Coordinator for final appointment and last signature.

NOTICE TO CONTRACTORS

MDAD's utilities clearance coordination is not an underground utilities locating service for contractors working for Miami-Dade County Airports. MDAD's Utilities clearance coordination is a free service provided to contractors working for MDAD. for the purpose of protecting our utilities including damage prevention.

If utilities shown on contractors' drawings cannot be located by the contractor, then the contractor is responsible for finding the utility by other means, like hiring. A locator with high tech equipment like GPR (ground penetrating radar).

Contractors are responsible for making all the necessary phone calls to obtain the clearance associated with their projects. The accuracy of clearances and signatures from other agencies or groups is the contractor's responsibility.

MDAD is not responsible for any and all claims, disputes, or other matters arising between contractors related to the execution or progress of their work, or their interpretation of the available plans and information. MDAD is not responsible for the verification or reliability of existing utilities information nor from information furnished by other agencies.

MDAD Utilities Clearance coordination service is limited to sites within Miami-Dade County Airports only. Utilities clearance requests inside buildings are NOT PERMITTED due to interference. All clearance and associated coordination are good for a two (2) week period only.

4/29/99

SHUT-DOWN REQUEST FORM

MDAD PROJECT MANAGER _____

TODAY'S DATE:_____

TELEPHONE NO. _____

SHUT-DOWN DATE :_____

NOTE:RETURN COMPLETED FORM TO MDAD MAINTENANCE ENGINEERING AT BLDG. 3020

REQUESTED BY: _____

(SUBMIT NO LESS THAN 5 WORKING DAYS PRIOR TO REQUESTED SHUT-DOWN DATE)

MAINTENANCE FAX NO. 876-0347

---

1)PROJECT NAME: _____

2)LOCATION OF WORK/FLOOR _____

3)A/E NAME & TELEPHONE NUMBER: _____

4)A/E PROJECT MANAGER: _____

5)ENGINEERING CONSULT NAME & TEL #: _____

6)G.C NAME & TELEPHONE NUMBER: _____

7)G.C. PROJECT MANAGER: _____

8)SUB-CONTRACTOR'S NAME & TEL # _____

9)SUB-CONTRACTOR'S PROJ. MGR.: _____

10)SYSTEM TO BE SHUT-DOWN: _____

11)REASON FOR SHUT-DOWN. _____

_____

12)AREAS AFFECTED BY SHUT-DOWN: _____

13)OTHER SYSTEMS AFFECTED: _____

14)DURATION OF SHUT-DOWN REQUESTED. _____

NOTE:ATTACH PLAN OR IF REQUESTED BY MAINTENANCE ENGINEERING, SUPPLY PLANS FOR REVIEW MEETING AT FIELD OFFICE.

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NXT 5650

PSC 7313

HOT WORK

PURPOSE

To provide direction on obtaining authorization and performing precautionary tasks prior to performance of Hot Work on MDAD facilities.

DEFINITION

Hot Work Work, above and below ground, involving open flames or work producing heat and/or sparks (including, but not limited to, brazing, cutting, grinding, soldering or thawing materials, torch applied products, installation and welding)

INSTRUCTION

1. A Hot Work Permit (Facilities Division Form FD5-047):
   - Must be completed, submitted for approval, and fully executed whenever Hot Work is to be performed at an MDAD site.
   - Satisfies the requirements of the South Florida Fire Prevention Code which is referenced by and included in the General Conditions of the Contract.
   - Requires an individual to perform fire watch activities.
   - Is granted for a maximum period of twenty-four (24) hours. Hot Work in excess of this period shall be reauthorized by applying for a new permit.
   - Is good for one location only.
   - Must be logged and filed by the CIS Consultant as a Hot Work activity record.
2. Project Managers are responsible for advising and directing the A/E Consultant and Contractor on the issuance and use of Hot Work Permits.
3. The General Contractor is responsible for preparing the Hot Work Permit, which includes performing and checking off (or marking as non-applicable) all of the precautionary items on the form and signing it before requesting its authorization.
4. The Project Manager shall notify and coordinate with adjacent airport tenants and MDAD Operations if fumes or other effects of the operation will impact airport operations.
5. ~~The CIS Consultant (or A/E performing work site services) shall be the management representative~~ designated by MDAD to authorize the Hot Work Permit.
6. The CIS Consultant shall fax copies of the executed Hot Work Permit and provide telephone notification of the work to be performed as indicated on the form.
7. The Contractor or subcontractor shall exhibit a copy of the approved Hot Work Permit at the work site in a conspicuous place near to the actual hot work.
8. Where sprinklers and hose streams are not under the control and maintenance of the Contractor, the condition of operability shall be verified with MDAD Maintenance prior to performing the Hot Work
9. The Contractor or subcontractor shall designate an individual to perform fire watch activities and brief and train him/her on the fire watch responsibility, guarding against fire while actual work is in process and for a minimum of thirty (30) minutes after the completion of the work. Fire watch precautions must be taken on both sides of any penetration which is being worked on or through.

The individual performing fire watch activities may be the helper of the Hot Worker and may be responsible for additional non-conflicting duties as appropriate. Any such additional duties must be in the immediate vicinity and in view of the Hot Work.

10. The individual performing fire watch activities shall sign off on the Hot Work Permit when the period of observation is over.

11. The issuance of a Hot Work Permit does not relieve the Contractor or subcontractor of its responsibility under the Contract for the means, methods, or safety of operations authorized by the permit, nor does it assign any of these responsibilities to MDAD or its consultants.

12. Hot Work Permits may be revoked for any reason at the discretion of the CIS Consultant.

13. The CIS Consultant shall verify, collect, and file the Hot Work Permit after final sign-off by the individual performing fire watch activities.

ASSOCIATED FORM

1. Facilities Division Form FD5-047 Hot Work Permit

NXT 5652

PSC 7315

MIAMI-DADE AVIATION DEPARTMENT

CONTROL No._____

HOT WORK PERMIT

A Hot Work Permit is required for any operation that involves open flames or produces heat and/or sparks. This includes, but is not limited to, Brazing, Cutting, Grinding, Flame-Soldering, Pipe Thawing, Torch-Applied Roofing, and Welding.

PROJECT NAME: _____ PROJECT No: _____

MDAD WORK ORDER No: _____ CONTRACTOR JOB No: _____ DATE WORK TO BE DONE: _____

PERFORMING CONTRACTOR: _____ ☐ GC ☐ SUB PHONE No: _____

WORK TO BE DONE BY: EMPLOYEE: _____ SUPERVISOR: _____

HOT WORK is to be performed at one location per permit.

FACILITY, BUILDING, and FLOOR _____

NATURE OF JOB: _____

SPECIAL PRECAUTIONS _____

REQUIRED PRECAUTIONS CHECKLIST

General Contractor or designee to verify that each precaution has been taken or to indicate that it is Not Applicable (NA).

- ☐ Available sprinklers, hose streams, and extinguishers are in service/operable
- ☐ Hot Work equipment is in good repair.
- ☐ Entrances to work area have been posted with NO SMOKING signs
- ☐ No welding or open flames within 100 feet of aircraft or a flammable spill
- ☐ Work area enclosed to contain sparks and prevent vision flash burn
- ☐ Ventilation is adequate to remove smoke/vapor from work area

Requirements within fifty feet (fifteen meters) of work:

- ☐ Flammable liquids, dust, lint, and oily deposits have been removed

  Explosive atmosphere in area has been eliminated.
- ☐ Floors have been cleaned of debris
- ☐ Combustible floors have been wet down, covered with damp sand, or covered with fire-resistive sheets
- ☐ Other combustibles have been removed, where possible, or protected with fire-resistive tarpaulins or metal shields
- ☐ All wall and floor openings have been covered
- ☐ Fire-resistive tarpaulins have been spread beneath work to collect sparks

For work on walls or ceilings:

- ☐ Construction is noncombustible and without combustible covering or insulation
- ☐ Combustible materials or items on other side of walls have been moved away
- ☐ When welding, cutting, or heating is performed on walls, floors, or ceiling, since direct penetration of sparks or heat transfer may introduce a fire hazard to an adjacent area, the same precautions shall be taken on the opposite side as are taken on the side on which the work is being performed

For work on enclosed equipment (tanks, ducts, etc.):

- ☐ Enclosed equipment has been cleaned of all combustibles
- ☐ Containers have been purged of flammable liquids/vapors

Fire watch activities / Hot Work area monitoring:

- ☐ Fire watch individual will be provided during and for thirty minutes after work, including any coffee or meal breaks
- ☐ Fire watch individual is supplied with suitable extinguishers/a charged small hose
- ☐ Fire watch individual is trained in use of this equipment and in sounding alarm

I VERIFY that the above named location has been examined, that the precautions checked on the Required Precautions Checklist have been taken to prevent fire, and I request authorization to perform this work

SIGNED _____

Printed Name _____ Date

General Contractor Firm _____ Phone Number

AUTHORIZATION:

SIGNED _____

Printed Name _____ Date

A/E Consultant/CIS Firm Name _____ Phone Number

WORK PERFORMED:

START: _____ END: _____

PERMIT EXPIRES (Good for one day only):

DATE: _____ TIME: _____

FINAL CHECK:

The work area and all adjacent areas to which sparks and heat might be spread were inspected during the fire watch period and for at least thirty minutes after the work was completed and no fire conditions were found.

SIGNED _____

Individual performing fire watch activities _____ Date

Printed Name _____

NOTIFICATION:

- **Post a copy of approved Permit at the Hot Work site.**
- **Fax a copy of approved permit to:**
  1. **Airside Ops (General Aviation Center) at (305) 869-5858.**
  2. **Risk Management at (305) 876-7162.**
  3. **Life Safety Bureau at (305) 869-1588.**
  4. **Maintenance at (305) 869-1633.**
     On weekends and after hours use (305) 876-0192.
- **A/E Field Rep to log and file copy signed by fire watch individual.**

IN CASE OF FIRE --- CALL (305) 876-7070

FD5-047 [03/02]

NXT 5653

PSC 7316

APPENDIX F

MIAMI-DADE COUNTY

MIAMI-DADE AVIATION DEPARTMENT SINGLE EXECUTION AFFIDAVITS

(Submittal with Proposal Required)

This sworn statement is submitted with the Proposal/Bid for:

Project Title: Non-Exclusive Telecommunications and Network Management Service Agreement

Project Number MDAD-04-01

COUNTY OF Miami-Dade

STATE OF Florida

Before me the undersigned authority appeared, Mike Olson (Print Name)

who is personally known to me or who has provided Texas Drivers License

as identification and who did (did not) take an oath, and who stated:

That he is the duly authorized representative of

NextiraOne, LLC

(Name of Proposer/Bidder)

2800 Post Oak Boulevard, Houston, TX 77056

(Address of Proposer/Bidder)

hereinafter referred to as the contracting entity being its

Other Authorized Officer, Sr. Vice President

(Sole Proprietor)(Partner)(President or Other Authorized Officer)

and as such has full authority to make these three affidavits and say as follows.

AFFIDAVIT NO. 1
SWORN STATEMENT UNDER SECTION 287.133(3)(a), FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

1.. I understand that a "public entity crime" as defined in Paragraph 287.133(1) (g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

2. I understand that "convicted" or "conviction" as defined in Paragraph 287.133 (1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

3. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:

1. A predecessor or successor of a person convicted of a public entity crime: or
2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

4. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members and agents who are active in management of an entity.

5. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. **[Please indicate which statement applies.]**

X Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

____ The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND **[Please indicate which additional statement applies.]**

SWORN STATEMENT UNDER SECTION 287.133(3)(a), FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES (Cont'd)

_____There has been a p+roceeding concerning the conviction before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. **[Please attach a copy of the final order.]**

_____The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. **[Please attach a copy of the final order.]**

_____The person or affiliate has not been placed on convicted vendor list. **[Please describe any action taken by or pending with the Florida Department of General Services.]**

AFFIDAVIT NO. 2

MIAMI-DADE COUNTY DEBARMENT DISCLOSURE AFFIDAVIT PURSUANT TO ORDINANCE 93-129

Bidder or his agents, officers, principals, stockholders, subcontractors or their affiliates are not debarred by Miami- Dade County

AFFIDAVIT NO. 3
CRIMINAL RECORD AFFIDAVIT

Above named proposer/bidder, as of the date of proposal/bid submission:

__X__ has not been convicted of a felony during the past ten (10) years, nor does it, as of the date of bid submission, have an officer, director or executive who has been convicted of a felony during the past ten (10) years.

_____ has been convicted of a felony during the past ten (10) years, or as of the date of bid submission, has an officer, director or executive who has been convicted of a felony during the past ten (10) years.

This single execution shall have the same force and effect as if each of the above three affidavits had been individually executed.

(Signature of Authorized Representative)

Mike Olson -
Title

Sr. Vice President
Date

STATE OF: Texas

COUNTY OF: Harris

The following instrument was acknowledged before me this 8th day of April, 2003

by Mike Olson,
(Authorized Representative)

of NextiraOne,
(Name of Corporation, Partnership, etc.)

who is personally known to me or has produced as _____ identification and who did/did not take an oath.

(Signature of Notary) Karen M. Webb

(Print Name) Karen M. Webb

Notary Commission Number: _____

My Commission Expires: 9/27/04

Notary Stamp or Seal:

KAREN M. WEBB
NOTARY PUBLIC STATE OF TEXAS
COMMISSION EXPIRES:
SEPTEMBER 27, 2004

F-5

AFFIDAVIT NO. 4

CURRENT IN OBLIGATIONS TO THE COUNTY AFFIDAVIT

Project No.: MDAD-04-01 Date:

Project Title: Non-Exclusive Telecommunications and Network Management Services

STATE OF ~~FLORIDA~~ TEXAS

COUNTY OF ~~MIAMI-DADE~~ HARRIS SS

Before me, the undersigned authority, authorized to administer oaths and take acknowledgments, personally appeared: Mike Olson after being first dully sworn, upon oath deposes and says that he is an authorized representative of:

NextiraOne, LLC

(Legal name, Corporation, Partnership, Firm, Individual)

(hereinafter called Bidder) located at 2800 Post Oak Boulevard, Houston, TX 77056
(address, city, state)

Above named Bidder verifies that the individual or entity is current in its obligations to the County and is not otherwise in default of any County contract.

Witness: _____ By _____
(Signature) (Signature)

Witness: _____ Mike Olson, Sr. Vice President
(Signature) (Legal Name and Title)

The foregoing instrument was acknowledged before me this 8th day of April, 2003

FOR AN INDIVIDUAL ACTING IN HIS OWN RIGHT:

by: _____

FOR A CORPORATION, PARTNERSHIP, OR JOINT VENTURE:

by: MIKE OLSON Having the title of
( )a _____corporation ( ) partnership ( ) joint venture

(He)/She is (X) personally known to me, or
( ) has produced _____ As identification.

Notary Seal: Notary Signature: Karen M. Webb Type or print name: Karen M. Webb

KAREN M. WEBB
NOTARY PUBLIC STATE OF TEXAS
COMMISSION EXPIRES:
SEPTEMBER 27, 2004

AFFIDAVIT NO. 5
CONTRACTOR'S DISCLOSURE AFFIDAVIT FOR MIAMI-DADE COUNTY

Project No.: MDAD-04-01 Date:

Project Title: Non-Exclusive Telecommunications and Network Management Services Agreement

STATE OF [redacted] TEXAS

ss

COUNTY OF [redacted] HARRIS

Before me, the undersigned authority, authorized to administer oaths and take acknowledgments, personally appeared: Mike Olson after being first dully sworn, upon oath deposes and says that he is an authorized representative of:

NextiraOne, LLC

(Legal name, Corporation, Partnership, Firm, Individual)

(hereinafter called Bidder) located at 2800 Post Oak Boulevard, Houston, TX 77056
(address, city, state)

STATE OF FLORIDA)

ss

COUNTY OF MIAMI-DADE)

Before me, the undersigned authority, authorized to administer oaths and take acknowledgments, personally appeared: Mike Olson after being first dully sworn, upon oath deposes and says that he is an authorized representative of:

NextiraOne, LLC

(Legal name, Corporation, Partnership, Firm, Individual)

(hereinafter called Bidder) located at 2800 Post Oak VBlvd, Houston TX 77056
(address, city, state)

CONTRACTOR'S DISCLOSURE AFFIDAVIT FOR MIAMI-DADE COUNTY

PART I

That the information given herein and in the documents attached hereto is true and correct.

1. The full legal name and business address* of the person or entity (Contractor) contracting or transacting business with Miami-Dade County is:

NextiraOne, LLC

2800 Post Oak Boulevard, Suite 200

Houston, TX 77056

2. If the contract or business transaction is with a Corporation**, provide the full legal name and business address* and title for each officer.

See Attachement I

3. If the contract or business transaction is with a Corporation**, provide the full legal name and business address* for each director.

Corporation is a limited liability corporation, and its members are:

Williams Communications Solutions Acquisition Corporation and

Williams Communications Solutions Acquisition II. LLC, 2800 Post Oak Blvd.,

Suite 200, Houston, TX 77056

4. If the contract or business transaction is with a Corporation**, provide the full legal name and business address* for each stockholder who holds directly or indirectly five percent (5%) or more of the corporation's stock and state the percentage.

Williams Acquisition II. LLC has a 98% interest in NextiraOne, LLC

Attachment 1

Upon information and belief the predecessor entities have done business under the following names:

1. Wiltel Communications Systems, Inc.
2. Williams Communications Systems, Inc.
3. Wiltel Communications, LLC
4. Williams Communications Solutions, LLC
5. Nextira, LLC

As NextiraOne, LLC was an acquisition made April 2, 2001; we do not have detailed information about the predecessor entities.

CONTRACTOR'S DISCLOSURE AFFIDAVIT FOR MIAMI-DADE COUNTY
PART I (Cont'd)

5. If the contract or business transaction is with a Trust, provide the full legal name and address* for each trustee and each beneficiary. All such names and addresses are:

N/A

6. The full legal name and business addresses* of any other individuals (other than subcontractors, materialmen, suppliers, laborers, or lenders) who have, or will have, any interest (legal, equitable, beneficial or otherwise) in the contract or business transaction with Miami-Dade County are:

N/A

7. If a Corporate Joint Venture, list the names and titles of the Officers of the Corporate Members of the Joint Venture:

(a) President: N/A
Vice-Pres: _____
Secretary: _____
Treasurer: _____

(b) President: _____
Vice-Pres: _____
Secretary: _____
Treasurer: _____

8. If a Non-Corporate Partnership or Joint Venture, list the names of the Principals of the Non-Corporate Partnership or Joint Venture:

(c) _____ (Name) _____ (Title)

(d) _____ (Name) _____ (Title)

9. State whether the person or entity (Contractor) contracting or transacting business with Miami-Dade County has a collective bargaining agreement with its employees (Yes/No)

10. Attach a list of the health care benefits to be paid to employees performing work under this Contract.

11. Attach a list reflecting the current breakdown of the Contractor's work force and ownership as to race, national origin, and gender.

(CONTRACTOR: ADD EXTRA SHEETS IF NEEDED

* **Post Office Box addresses not acceptable.**

** **If a Joint Venture, list this information for each member of the Joint Venture**

NXT 5663

PSC 7326

NextiraOne, LLC
Attachment of Single Execution Affidavits

Disclosure Affidavit – Addition to Question 9

Pursuant to Section 1.3(B)(5) of the ITB and as and to the extent set forth in Ordinance 90-133 (codified in Section 2-8.1(d) of the Miami-Dade County Code): (1) composition of the workforce is attached as Exhibit "1"; (2) health care benefits are provided (see also answer to Question 10); and, (3) there is no collective bargaining agreement.

Question 10

Section 2-8.9(B) provides that employers may pay a lower hourly wage if they provide a least $1.25 per hour towards provision of health care benefits. As the nature of the procurement is outside the scope of the Living Wage Ordinance, the provision concerning health benefits is also inapplicable. Notwithstanding the above explanation, any employee involved in the procurement will be provided health car benefits far in excess of the requirements of Section 2-8.9.

EXHIBIT 1

Breakdown of NextiraOne's
Workforce in Answer to Part I, No. 11

Ethnicity	Female	Male	Total Employees
White	788	2370	
Black	176	240	
Hispanic	114	202	
Asian/Pacific Islander	35	124	
American Indian	7	16	
			4072

CONTRACTOR'S DISCLOSURE AFFIDAVIT FOR MIAMI-DADE COUNTY
PART II

LIST ALL CONSTRUCTION CONTRACTS IN EFFECT WITH MIAMI DADE COUNTY DURING THE LAST FIVE (5) YEARS:

CONTRACT DATE	DOLLAR AMOUNT OF ORIG.CONTRACT	FINAL AMT. OF CONTRACT	PERCENTAGE DIFFERENTIAL
(1)			
_____	$_____	$_____	_____%

Summary of Construction Work performed: NextiraOne has a management agreement for MDAD Telecommunications services since February 2002. This is not a constructions contract.

Litigation Arising out of Contract: _____

CONTRACT DATE	DOLLAR AMOUNT OF ORIG.CONTRACT	FINAL AMT. OF CONTRACT	PERCENTAGE DIFFERENTIAL
(2)			
_____	$_____	$_____	_____%

Summary of Construction Work performed: NextiraOne had an equipment lease and maintenance agreement from approximately 1988, but this is not deemed a construction contract.

Litigation Arising out of Contract: _____

CONTRACTOR'S DISCLOSURE AFFIDAVIT FOR MIAMI-DADE COUNTY
PART II (Cont'd)

(3)

_____ $_____ $_____ _____%

Summary of Construction Work performed: NextiraONe has a contract for purchasing Nortel Systems equipment since March, 2002. This is not a construction contract. No purchases have been made under the contract.

Litigation Arising out of Contract: _____

==========

= (4)

_____ $_____ $_____ _____%

Summary of Construction Work performed: _____

Litigation Arising out of Contract: _____

==========

=

(CONTRACTOR: ADD EXTRA SHEET(S) IF NEEDED.)

CONTRACTOR'S DISCLOSURE AFFIDAVIT FOR MIAMI-DADE COUNTY

PART III

A. How long has firm been in business? Upon Information and belief, the Predecessor entities have been in business since 1982

B. Has the firm, or the principals of the firm, ever done business under another name or with another firm? See Attachment 1
If so, attach separate sheet(s) listing same information as in parts I, II and III of this affidavit.

C. List firm's private sector business for the last five (5) years:

	NAME OF CLIENT	DESCRIPTIVE TITLE OF PROJECT
(1)	HP	Communications Outsourcing
(2)	Agilent	Communications Outsourcing
(3)	Wells Fargo Bank	Communications Outsourcing
(4)	Lockheed-Martin	Communications Outsourcing
(5)	Marriott Corporation	Communications Outsourcing

(CONTRACTOR: ADD EXTRA SHEET(S) IF NEEDED.)

Witness: _____ By _____
(Signature) (Signature)

Witness. _____ _____
(Signature) (Legal Name and Title)

The foregoing instrument was acknowledged before me this 8th day of Apr. 1, 2003

FOR AN INDIVIDUAL ACTING IN HIS OWN RIGHT:

by: _____

FOR A CORPORATION, PARTNERSHIP, OR JOINT VENTURE:

by: MIKE OLSON Having the title of
( )a _____corporation ( ) partnership ( ) joint venture
He/She is (X) personally known to me, or
( ) has produced _____ As identification.

Notary Seal: Notary Signature: Karen M. Webb Type or print name: Karen M. Webb

KAREN M. WEBB
NOTARY PUBLIC STATE OF TEXAS
COMMISSION EXPIRES:
SEPTEMBER 27, 2004

AFFIDAVIT NO. 6
CODE OF BUSINESS ETHICS AFFIDAVIT

Project No.: MDAD-04-01 Date:

Project Title: Non-Exclusive Telecommunications and Network Management Services Agreement

STATE OF FLORIDA)
ss
COUNTY OF MIAMI-DADE)

Before me, the undersigned authority, authorized to administer oaths and take acknowledgments, personally appeared: Mike Olson after being first dully sworn, upon oath deposes and says that he is an authorized representative of:

NextiraOne, LLC
(Legal name, Corporation, Partnership, Firm, Individual)

(hereinafter called Bidder) located at 2800 Post Oak Boulevard, Houston, TX 77056
(address, city, state)

The above named entity has adopted a Business Code of Ethics that complies with the requirements of Section 1 of Ordinance No. 01-96.

The above named entity hereby affirms its understanding that its failure comply with its Code of Business Ethics shall render any contract between it and the County voidable, and subject it to debarment from future County work pursuant to section 10-38(h)(2) of the Code of Miami-Dade County. The Inspector General shall be authorized to investigate any alleged violation by a contractor of its Code of Business Ethics. Nothing contained herein shall be construed to limit the powers and duties of the Inspector General as stated in other sections of the Code of Miami-Dade County.

Witness: _____ (Signature) By _____ (Signature)

Witness: _____ (Signature) Mike Olson, Sr. Vice President (Legal Name and Title)

The foregoing instrument was acknowledged before me this 8th day of Apr. 1 ,2003

FOR AN INDIVIDUAL ACTING IN HIS OWN RIGHT:

by: _____

FOR A CORPORATION, PARTNERSHIP, OR JOINT VENTURE:

by: MIKE OLSON Having the title of a
( ) _____ corporation ( ) partnership ( ) joint venture
(He)/She is (X) personally known to me, or
( ) has produced _____ As identification.

Notary Seal: Notary Signature: Karen M. Webb Type or print name: Karen M. Webb

KAREN M. WEBB
NOTARY PUBLIC STATE OF TEXAS
COMMISSION EXPIRES
SEPTEMBER 27, 2004

AFFIDAVIT NO. 7A

AFFIRMATIVE ACTION PLAN/PROCUREMENT POLICY AFFIDAVIT

Project No.: MDAD-04-01 Date:

Project Title: Non-Exclusive Telecommunications and Network Management Services Agreement

STATE OF FLORIDA)

ss

COUNTY OF MIAMI-DADE)

Before me, the undersigned authority, authorized to administer oaths and take acknowledgments, personally appeared: Mike Olson _____ after being first dully sworn, upon oath deposes and says that he is an authorized representative of:

NextiraOne, LLC

(Legal name, Corporation, Partnership, Firm, Individual)

(hereinafter called Bidder) located at 2800 Post Oak Boulevard, Houston, TX 77056
(address, city, state)

and, that said bidder or respondent has a current Affirmative Action Plan and/or Procurement Policy as required by Ordinance 82-37 and/or 98-30, processed and approved for filing with Miami-Dade County Department of Business Development (DBD) under File No. 2002-0297 and the expiration date of 10/30/03

Witness: _____ (Signature) By _____ (Signature)

Witness: _____ (Signature) Mike Olson, Sr. Vice Presider (Legal Name and Title)

The foregoing instrument was acknowledged before me this 8th day of April 2003

FOR AN INDIVIDUAL ACTING IN HIS OWN RIGHT:

by: _____

FOR A CORPORATION, PARTNERSHIP, OR JOINT VENTURE:

by: MIKE OLSON Having the title of

( )a _____ corporation ( ) partnership ( ) joint venture

He/She is (X) personally known to me, or

( ) has produced _____ As identification.

Notary Seal: Notary Signature: Karen M. Webb Type or print name: Karen M. Webb

Please note.
Ordinance 82-37 requires that all properly licensed architectural, engineering, landscape architectural, and land surveyors have an affirmative action plan on file with the County.

Ordinance 98-30 requires firms with annual gross revenues in excess of five (5) million dollars have an affirmative action plan/procurement policy on file with the County. Firms that have Boards of Directors that are representative of the population make-up of the nation are exempt.

For Questions regarding these requirements contact the Department of Business Development at (305) 523-2100
This affidavit must be properly executed by the bidder and included in the proposal/bid

KAREN M. WEBB
NOTARY PUBLIC STATE OF TEXAS
COMMISSION EXPIRES:
SEPTEMBER 27, 2004

PROOF OF AUTHORIZATION TO DO BUSINESS IN THE STATE OF FLORIDA

(Attach a copy of the Certificate of Status or Authorization per 607.00128 F S., and certificate evidencing compliance with the Florida Fictitious Name Statue per 865.09 F.S., if applicable.)

NXT 5672

PSC 7335

State of Florida

Department of State

I certify from the records of this office that NEXTIRAONE, LLC is a Delaware limited liability company authorized to transact business in the State of Florida, qualified on March 6, 1998.

The document number of this limited liability company is M98000000221.

I further certify that said limited liability company has paid all fees due this office through December 31, 2003, that its most recent annual report was filed on February 21, 2003, and its status is active.

I further certify that said limited liability company has not filed a Certificate of Withdrawal.

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capitol, this the Twenty-fourth day of March, 2003

Glenda E. Hood

Glenda E. Hood
Secretary of State

CR2EO22 (2-03)

NXT 5673

PSC 7336

Delaware

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "NEXTIRAONE, LLC" IS DULY FORMED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE TWENTY-FIRST DAY OF MARCH, A.D. 2003.

AND I DO HEREBY FURTHER CERTIFY THAT THE SAID "NEXTIRAONE, LLC" WAS FORMED ON THE ELEVENTH DAY OF APRIL, A.D. 1997.

AND I DO HEREBY FURTHER CERTIFY THAT THE ANNUAL TAXES HAVE BEEN PAID TO DATE.



Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

2739289 8300

030192478

AUTHENTICATION: 2324564

DATE: 03-21-03

NXT 5674

PSC 7337

MIAMI-DADE COUNTY

MIAMI-DADE AVIATION DEPARTMENT SINGLE EXECUTION CONDITION OF AWARD CERTIFICATIONS

This sworn statement is submitted for:

Project Title Non-Exclusive Telecommunications and Network Management Servic Agreement

Project Number MDAD04-01

COUNTY OF Miami-Dade

STATE OF Florida

Before me the undersigned authority appeared Mike Olson (Print Name),

who is personally known to me or who has provided

as identification and who did (did not) take an oath, and who stated:

That he is the duly authorized representative of

NextiraOne, LLC
(Name of Entity)

2800 Post Oak Boulevard, Houston, TX 77056
(Address of Entity)

7 / 6-0 / 5 / 3 / 4 / 9 / 5 / 0
Federal Employment Identification Number

hereinafter referred to as the contracting entity being its

other authorized officer - SR Vice President
(Sole Proprietor)(Partner)(President or Other Authorized Officer)

and as such has full authority to make these five certifications/verifications and say as follows.

DISABILITY NONDISCRIMINATION CERTIFICATION

That the above named entity is in compliance with and agrees to continue to comply with, and assure that any subcontractor, or third party contractor under this project complies with all applicable requirements of the laws listed below including, but not limited to, those provisions pertaining to employment, provision of programs and services, transportation, communications, access to facilities, renovations, and new construction.

The Americans with Disabilities Act of 1990 (ADA), Pub. L. 101-336, 104 Stat 327, 42 U.S.C. 12101-12213 and 47 U.S.C. Sections 225 and 611 including Title I, Employment; Title II, Public Services; Title III, Public Accommodations and Services Operated by Private Entities; Title IV, Telecommunications; and Title V, Miscellaneous Provisions.

The Rehabilitation Act of 1973, 29 U.S.C. Section 794
The Federal Transit Act, as amended 49 U.S.C. Section 1612
The Fair Housing Act as amended, 42 U.S.C. Section 3601-3631
Miami-Dade County Resolution No. R-385-95.

Any contract entered into based upon a false certification submitted pursuant to resolution No. R-385-95 shall be voidable by the County. If any attesting firm violates any of the Acts during the term of any contract such firm has with the County, such contract shall be voidable by the County, even if the attesting firm was not in violation at the time it submitted its certification.

FAMILY LEAVE PLAN CERTIFICATION

That in compliance with Ordinance #93-118 which amended Ordinance #91-142 of the Code of Miami Dade County, Florida, the above named entity provides the following information and is in compliance with all items in the aforementioned ordinance.

Employees, as defined in Section 2, Ordinance# 93-118 and Chapter 11A of the Miami Dade County Code, shall be entitled to take leave on the same terms and conditions as are provided by Sections 102, 103, 104 and 108 of the Family and Medical Leave Act of 1993 (FMLA), Public Law No. 103-3, and any amendments thereto, with the exception of the following:

(a) An employee may also take leave under the ordinance to care for a grandparent with a serious health condition on the same terms and conditions as leave is permitted under the FMLA to care for a parent with a serious health condition.

(b) Employers are not required by the ordinance to maintain coverage under any group health plan for the duration of an employee's leave.

(c) Nothing in this ordinance shall be construed to affect any employee benefit plan that the employer may otherwise provide.

Pursuant to Ordinance # 93-118, and Section 102 (Leave Requirements), Entitlement to Leave-Subject to section 103, an eligible employee shall be entitled to a total of 12 workweeks of leave during any 12-month period for one or more of the following:

(a) Because of the birth of a son or daughter of the employee and in order to care for such son or daughter.

(b) Because of the placement of a son or daughter with the employee for adoption or foster care.

(c) In order to care for the spouse, or a son, daughter, or parent, of the employee, if such spouse, son, daughter, or parent has a serious health condition.

(d) **Because of a serious health condition that makes the employee unable to perform the functions of the position of such employee.**

DOMESTIC LEAVE CERTIFICATION

The entity named above certifies that the firm is in compliance with the Domestic Leave Ordinance, Ordinance 99-05.

MIAMI-DADE COUNTY REGARDING DELINQUENT AND CURRENTLY DUE FEES OR TAXES (Sec.2-8.1 (c) of the County Code)

Except for small purchase orders and sole source contracts, the above named entity verifies that all delinquent and currently due fees or taxes - including but not limited to real and property taxes, utility taxes and occupational licenses - which are collected in the normal course by the Miami-Dade County Tax Collector as well as Miami-Dade County issued parking tickets for vehicles registered in the name of the entity have been paid.

DRUG-FREE WORK PLACE CERTIFICATION

The entity named above certifies that the firm will provide a drug free workplace in compliance with Section 2-8.1.2 of the Code of Miami-Dade County as amended by Miami-Dade County Ordinance 00-30.

This single execution shall have the same force and effect as if each of the above five certifications/verifications had been individually executed.

(Signature of Authorized Representative)

Title Sr.Vice President

Date 4/8/03

STATE OF: Texas

COUNTY OF: Harris

The above instrument was acknowledged before me this 8th day of Apr. 1, 2003

by M. Ke Olsen, (Authorized Representative)

of DextiraOne, (Name of Corporation, Partnership, etc.)

who is personally known to me or has produced as identification and who did/did not take an oath.

Karen M. Webb
(Signature of Notary)

Karen M. Webb
(Print Name)

Notary Stamp or Seal:

KAREN M. WEBB
NOTARY PUBLIC STATE OF TEXAS
COMMISSION EXPIRES
SEPTEMBER 27, 2004

Notary Commission Number: _____

My Commission Expires: 9/27/04