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ORIGINAL
FILE COPY

August 8, 1996

BY HAND DELIVERY

Ms. Blanca S. Bayo, Director
Division of Records and Reporting
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: Resolution of Petition to Establish Non Discriminatory Rates, Terms, and Conditions for Interconnection Involving Local Exchange Companies and Alternative Local Exchange Companies pursuant to Section 364.162, Florida Statutes - Docket No. 950985-TP

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Dear Ms. Bayo:

Enclosed for filing in the above-styled docket are the original and fifteen (15) copies of United Telephone Company of Florida and Central Telephone Company of Florida's Request for Confidential Classification.

A copy of Exhibit "B" is not being provided to the parties of record due to its size. Any party wishing to obtain a copy of Exhibit "B" may do so by calling my office and requesting a copy.

Please acknowledge receipt and filing of the above by stamping the duplicate copy of this letter and returning the same to this writer.

Thank you for your assistance in this matter.

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Yours truly,

J. Jeffry Wahlen

Enclosures
cc: All parties of record (w/o Exhibit "B")

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DOCUMENT NUMBER-DATE
08320 AUG-8 96
FPSC-RECORDS/REPORTING

ORIGINAL FILE COPY

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Resolution of Petition to Establish Non Discriminatory Rates, Terms, and Conditions for Interconnection Involving Local Exchange Companies and Alternative Local Exchange Companies pursuant to Section 364.162, Florida Statutes	DOCKET NO. 950985-TP Filed: 8/8/96

UNITED TELEPHONE COMPANY OF FLORIDA AND CENTRAL TELEPHONE COMPANY OF FLORIDA'S REQUEST FOR CONFIDENTIAL CLASSIFICATION

Pursuant to Rule 25-22.006, Florida Administrative Code, UNITED TELEPHONE COMPANY OF FLORIDA and CENTRAL TELEPHONE COMPANY OF FLORIDA (collectively, "Sprint United/Centel" or the "Companies") file this Request for Specified Confidential Classification for certain cost study information provided to the Staff in this docket, and say:

1. This request covers documents submitted to the Division of Records and Reporting under a confidential cover on July 19, 1996. These documents have been Bates stamped numbers 0001 to 121, and represent the interconnection cost study required to be filed as a result of the Final Order in this docket. The document to which this request relates was filed with the Division of Records and Reporting under a separate confidential cover and a Notice of Intent to Request Confidential Classification on July 19, 1996.

2. In accordance with FPSC Rule No. 25-22.006, F.A.C., a copy of the documents with the information the Companies consider to be proprietary has been filed under a separate cover as Exhibit

"A" to this request and has the confidential information highlighted for identification purposes. In accordance with Rule 25-22.006, Florida Administrative Code, the Companies have appended hereto as Exhibit "B" one edited copy of the confidential answers with the confidential information blacked out ("redacted").

3. Commission Rule 25-22.006(4)(a) provides that a utility may satisfy its burden of proving that information is specified confidential material by demonstrating how the information falls under one or more of the available statutory examples. In the alternative, if no statutory example is available, the utility may satisfy its burden by including a justifying statement indicating what penalties or ill effects on the Companies or its ratepayers will result from the disclosure of the information to the public. The Companies have identified this confidential information on a line-by-line basis, and have appended the required line-by-line identification and justifications hereto as Exhibit "C."

4. The information for which confidential treatment is requested has not been disclosed, except pursuant to a protective agreement that provides that the information will not be released to the public.

7. For all the foregoing reasons, Sprint United/Centel respectfully urge the Commission to classify the above-described and discussed document as proprietary confidential business information pursuant to Rule 25-22.006, Florida Administrative Code, and as such exempt from Chapter 119, Florida Statutes.

WHEREFORE, UNITED TELEPHONE COMPANY OF FLORIDA and CENTRAL TELEPHONE COMPANY OF FLORIDA move the Commission to enter an Order declaring the documents claimed to be confidential in this request are proprietary confidential business information pursuant to Section 25-22.006, Florida Administrative Code.

DATED this 8th day of August, 1996.

LEE L. WILLIS and
J. JEFFRY WAHLEN
Ausley & McMullen
P. O. Box 391
Tallahassee, Florida 32302
(904) 224-9115

ATTORNEYS FOR UNITED TELEPHONE
COMPANY OF FLORIDA AND CENTRAL
TELEPHONE COMPANY OF FLORIDA

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Resolution of Petition to Establish Non Discriminatory Rates, Terms, and Conditions for Interconnection Involving Local Exchange Companies and Alternative Local Exchange Companies pursuant to Section 364.162, Florida Statutes	DOCKET NO. 950985-TP

EXHIBIT "B" TO SPRINT UNITED/CENTEL'S
REQUEST FOR CONFIDENTIAL CLASSIFICATION

Unedited Version
With
Confidential Information Redacted

AUSLEY & MCMULLEN

ATTORNEYS AND COUNSELORS AT LAW

227 SOUTH CALHOUN STREET
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JUL 19 1996
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July 19, 1996

BY HAND DELIVERY

Ms. Blanca S. Bayo, Director
Division of Records and Reporting
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: Resolution of Petition to Establish Non Discriminatory Rates, Terms, and Conditions for Interconnection Involving Local Exchange Companies and Alternative Local Exchange Companies pursuant to Section 364.162, Florida Statutes - Docket No. 950985-TP

CONFIDENTIAL DOCUMENTS ATTACHED

Dear Ms. Bayo:

Enclosed for filing in the above-styled docket is the original of Sprint-United/Centel's Cost Study. This is the document referred to in Sprint-United/Centel's Notice of Filing and Notice of Intent to Request Confidential Classification, dated July 19, 1996. Please keep the enclosed document confidential pursuant to Rule 25-22.006, Florida Administrative Code, pending the filing and decision on the Companies' Request for Confidential Classification, which will be filed within 21 days as required by the rule.

Please acknowledge receipt and filing of the above by stamping the duplicate copy of this letter and returning the same to this writer.

Thank you for your assistance in this matter.

Yours truly,

J. Jeffry Wahlen

Enclosures
cc: All parties of record (w/o encl.)
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LOCAL INTERCONNECTION COST STUDIES OVERVIEW

The following documents are the results and supporting documentation for Sprint's estimated local interconnection costs.

There are three call termination cost study results representing local interconnection at 1.) an end office (similar to cellular Type 2B interconnection), 2.) at a local tandem and 3.) at an access tandem (similar to cellular Type 2A interconnection). A fourth study provides the cost of intermediary switching where ALECs may route traffic through Sprints' access tandem to terminate calls to other ALECs, ILECs and IXCs.

A diagram is provided with each of the three call termination scenarios which depicts the call paths and identifies the major switch investment components.

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CONTENTS

SECTION I

1 **SUMMARY OF TSLRIC INTERCONNECTION COST RESULTS**

	A	B
2	End Office per MOU	[redacted]
3	Access Tandem - per MOU with transport	[redacted]
4	Local Tandem - per MOU with transport	[redacted]
5	Intermediary Tandem	[redacted]

SECTION II

Cost Methodology and Assumptions
Costs of Interconnection - Usage Based

For determining the incremental cost of actual usage, costs per call set-up per Minute of Use (MOU) must be calculated.

The Switching Cost Information System (SCIS) model, licensed from Bellcore, identifies two separate components of a call. First is the call set-up function which establishes a connection for the call, including incomplete calls. Call set-up does not include any usage. Second is the usage function which consists of the actual on-line time, including non-conversation time.

The cost of the first MOU is equal to the set-up cost plus the cost of one MOU.

The process for converting SCIS results into costs per billable units involves the following basic processes.

1. Calculate the busy hour investment - SCIS Model Office output gives busy hour investment per processor millisecond, line CCS, trunk CCS, and tandem trunk CCS. These are the basic components for all calling. This may be determined in two ways. First is a manual process illustrated below. Second is to utilize SCIS-IN Features 937 through 942. The manual process is recommended to assure the analyst understands the underlying switching functions involved in call processing.

   The set-up function utilizes the central processor. Vendor (Nortel) specifications state how many milliseconds of processor time are required to complete the call set-up function. Since the Getting Started Investment is per millisecond, multiplying this value by the milliseconds required gives the total investment required for each set-up function during the busy hour.

   Each MOU requires the "Cost per line CCS", "Cost per trunk CCS" and/or "Cost per tandem trunk CCS" function. These costs apply to both the originating and terminating function. Determining the MOU requires a conversion factor of .60 since a MOU is only 60% of a CCS (hundred call second). Since this cost applies to office holding time and not conversation time, an additional factor must be included in order to recover the cost of non-conversation time through conversation time. This factor is the ratio of conversation time to holding time. The following pages illustrate this manual process for determining end office interconnection costs, access tandem interconnection costs and local tandem interconnection costs. The numbers used are the actual numbers from the TSLRIC study.

2. Calculate the annual cost - Multiplying the busy hour investment by the annual charge factor provides the annual cost.

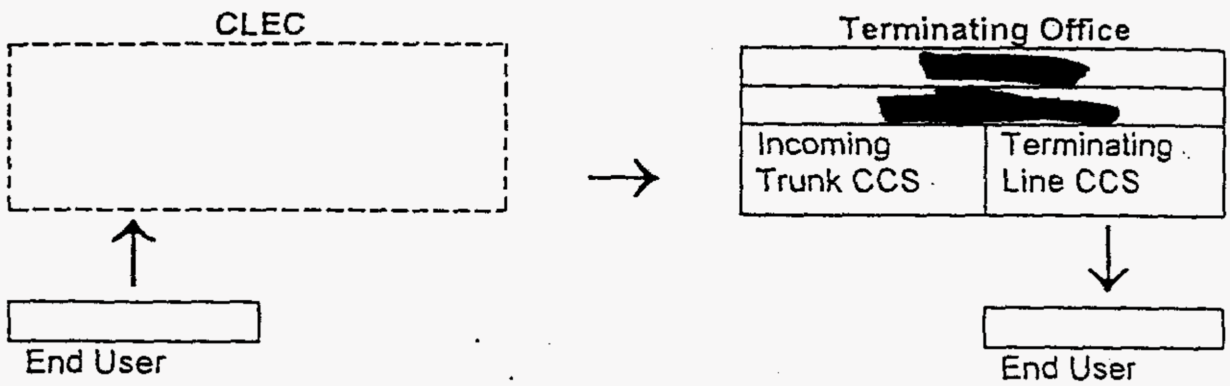
3. Convert from busy hour to full day - The cost per busy hour unit must be converted to reflect the entire day's calling by multiplying it by the busy hour to full day ratio. This study assumes 10% of the day's traffic occurs during the busy hour.

4. Convert from full day to entire year - The cost per unit per busy day must be converted to cost per unit by dividing by the number of equivalent business days during the entire year. Since we are not proposing a premium rate to be charged for business days over weekends and holidays, it is appropriate to divide by 365 days.

5. (Optional) These results may need to be adjusted for non-billable units, depending upon the purpose of the study. For example, if the analyst is determining the cost of switched minutes to an IXC or CLEC, the LEC bills the carrier for all minutes, regardless of whether the call was completed to the ultimate end user. There is no need to adjust the cost on these calls and minutes. However, suppose the analyst is determining the cost of providing flat rate service to the end user, and the only known demand is the number of completed calls and actual conversation time. Since incompleted calls and non-conversation time create costs, an adjustment is necessary. The set-up cost must be divided by a completed call ratio, and the MOU cost must be divided by the conversation time ratio.

6. A factor must be applied to account for the investment in land and buildings required to support the switch.

TSLRIC Costs per End Office Calling



In this instance, illustrated above, the call originates in a CLEC's end office and terminates in the ILEC's end office. The costs incurred by the ILEC are the processor time and SS7 signaling required to set up the call, the incoming trunk CCS, and the terminating line CCS in the terminating office.

1. Cost per End Office Call Set-up (SCIS-IN Features 939 and 941, Trunk-Line Call Set-up)

   = GS/MS * PUTL * ACF * BH/FD / EBD / CCR * LBF
   = [redacted] * .24 * .10 / 365 / .70 * 1.043
   = [redacted]

2. Cost per End Office MOU (SCIS-IN Features 940 and 942, Trunk-Line MOU)

   = (LCCS + TCCS) * ACF * BH/FD / EBD * CCS/MOU / CTF * LBF
   = [redacted] .24 * .10 / 365 * .60 / .75 * 1.043
   = [redacted]

3. Cost per SS7 Call Set-up (Included in SCIS-IN Features 939 and 941, Trunk-Line Call Set-up)

   = (SSP + SS7) * OCT * ACF * BH/FD / EBD / CCR * LBF
   = [redacted] * .24 * .10 / 365 / .70 * 1.043
   = [redacted]

Local Interconnection -
End Office

TSLRIC Costs per End Office Calling

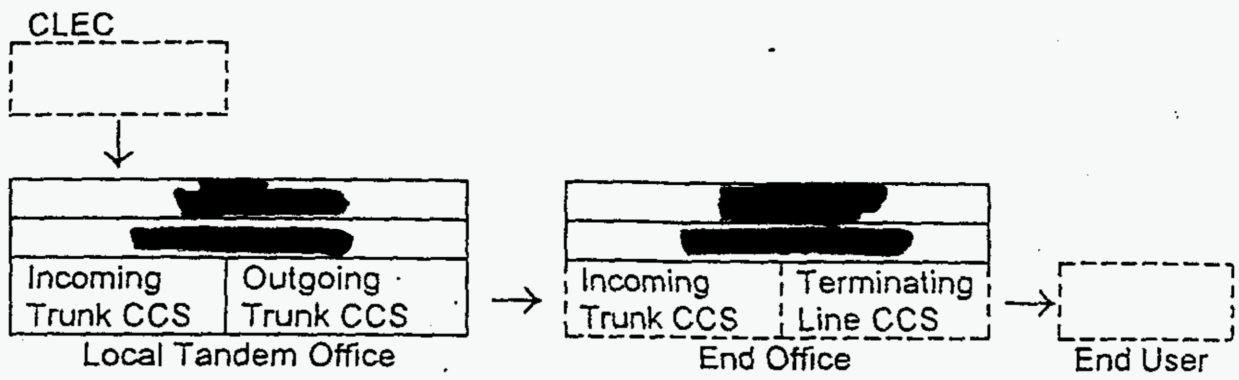
Assumptions - Most of this information is derived from the Switching Cost Information System (SCIS) model licensed from Bellcore; specifically the SCIS Model Office input. This includes the adjustment for both the call completion ratio and the conversation time factor

A	B
Getting Started Investments per MS (GSC/MS)	[redacted] (Note 1)
Cost per Line CCS - Orig. & Term. (LCCS)	[redacted] (Note 1)
Cost per Trunk CCS - Outg. & Inc. (TCCS)	[redacted] (Note 1)
Cost per SS7 Octet (SSP)	[redacted] (Note 1)
Cost per Octet (SS7)	[redacted] (Note 2)
Processor Utilization - Line to Line (PULL)	[redacted] (Note 3)
Processor Utilization - Line to Trunk (PULT)	[redacted] (Note 4)
Processor Utilization - Trunk to Line (PUTL)	[redacted] Note 5)
Octets per Originating Call (OCT)	[redacted] (Note 6)
Annual Charge Factor (ACF)	.24 (Note 7)
Busy Hour/Full Day Ratio (BHFD)	.10
Equivalent Business Days per Year (EBD)	365
CCS/MOU Conversation (CCS/MOU)	.60
Call Completion Ratio (CCR)	.70
Conversation Time Ratio (CTR)	.75
Land and Building Factor (LBF)	.043

Notes:
(1) Source: SCIS Model Office output
(2) Source: CCSCIS Aggregation Model, Trunk Signaling.
(3) Source: SCIS-IN Real Time table, item 937.00 (Nortel proprietary)
(4) Source: SCIS-IN Real Time table, item 939.00 (Nortel proprietary)
(5) Source: SCIS-IN Real Time table, item 941.00 (Nortel proprietary)
(6) Source: SCIS-IN Octet Table, items [OC939.00+(0.70*OC939.01)] @
(7) Annual Charge Factor should exclude corporate overheads

@ Assumes 70% call completion ratio

TSLRIC Costs per Trunk Side Local Tandem Terminating Calling



In this instance, illustrated above, the CLEC purchases a trunk port at the ILEC's local tandem office. The costs incurred by the ILEC are the processor time and SS7 signaling required to set up the call at both the local tandem and end offices, the incoming and outgoing trunk CCS costs, and the incoming trunk CCS costs at the end office and the terminating line CCS costs at the end office. The local tandem costs are calculated here. The end office calls were calculated on a previous page.

1. Cost per Trunk Side Tandem Terminating Call Set-up

= (GSC/Ms * PUTT) * ACF * BH/FD / EBD * LBF
= ([redacted] * [redacted] * .24 * .10/365 * 1.043
= [redacted]

2. Cost per Trunk Side Tandem Terminating MOU

= (2 * TCCS) * ACF * BH/FD / ED * CCS/MOU * LBF
= (2 * [redacted] * .24 * .10/365 * .60 * 1.043
= [redacted]

3. Cost per SS7 Call Set-up

= (SSP + SS7) * OCT * ACF * BH/FD / EBD * LBF
= [redacted] * [redacted] * .24 * .10/365 * 1.043
= [redacted]

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TSLRIC Costs per Trunk Side Local Tandem Terminating Calling

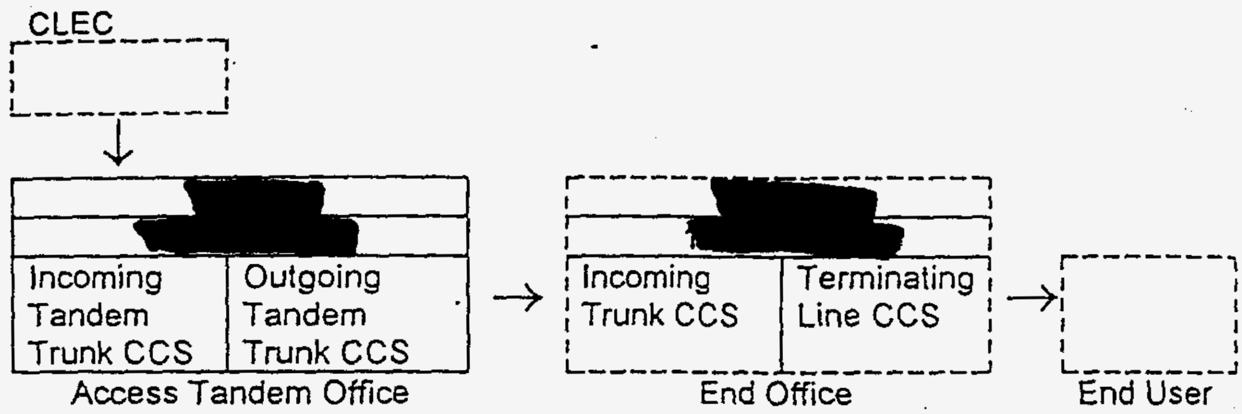
Assumptions - Most of this information is derived from the Switching Cost Information System (SCIS) model licensed from Bellcore; specifically the SCIS Model Office output.

A	B
Getting Started Costs per MS (GSC/MS)	[redacted] (Note 1)
Cost per Line CCS-Orig. & Term. (LCCS)	[redacted] (Note 1)
Cost per Trunk CCS-Outg. & Inc. (TCCS)	[redacted] (Note 1)
Cost per Tandem Trunk CCS-O & I (TTCCS)	[redacted] (Note 1)
Cost per SS7 Octet (SSP)	[redacted] (Note 1)
Cost per Octet (SS7)	[redacted] (Note 2)
Processor Utilization - Trunk to Line (PUTL)	[redacted] (Note 3)
Processor Utilization - Trunk to Trunk (PUTT)	[redacted] (Note 4)
Octets per Originating Call (OCT)	[redacted] (Note 5)
Annual Charge Factor (ACF)	.24 (Note 6)
Call Duration (CD)	4.94 (Note 7)
Land and Building Factor (LBF)	1.043 (Note 8)

Notes:
(1) Source: SCIS Model Office output
(2) Source: CCSCIS Aggregation Model, average Links plus Octets costs for Trunk Signaling.
(3) Source: SCIS-IN Real Time table, item 941.00 (Nortel proprietary)
(4) Source: SCIS-IN Real Time table, item 975.03 (Nortel proprietary)
(5) Source: SCIS-IN Octet Table, items [OC939.00+(0.70*OC939.01)] @
(6) Annual Charge Factor should exclude corporate overheads
(7) Source: Customer Usage Study
(8) Source: General Ledger Accounts

@ Assumes 70% call completion ratio

TSLRIC Costs per Access Tandem Calling



In this instance, illustrated above, the CLEC purchases a trunk port directly at the ILEC's access tandem office. The costs incurred by the ILEC are the processor time and SS7 signaling required to set up the call at both the access tandem and end offices, the incoming and outgoing tandem trunk CCS costs, and the incoming trunk CCS costs at the end office. The costs associated with the end office portion were calculated on a previous page and are added in as a separate unit. The costs on this page are only those associated with the Access Tandem.

1. Cost per Trunk Side Tandem Terminating Call Set-up

 = (GSC/Ms * PUTT) * ACF * BH/FD / EBD * LBP
 = ([redacted]) * .24 * .10/365 * 1.043
 = [redacted]

2. Cost per Trunk Side Tandem Terminating MOU

 = (2 * TTCCS) * ACF * BH/FD / ED * CCS/MOU * LBP
 = (2 * [redacted] * .24 * .10/365 * .60 * 1.043
 = [redacted]

3. Cost per SS7 Call Set-up

 = (SS7 + SSP) * OCT * ACF * BH/FD / EBD * LBP
 = [redacted] * .24 * .10/365 * 1.043
 = [redacted]

Local Interconnection -
Access Tandem

TSLRIC Costs per Access Tandem Calling

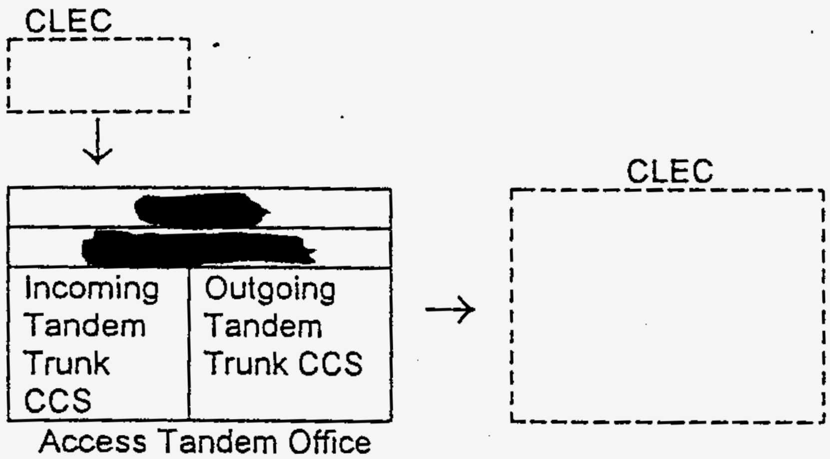
Assumptions - Most of this information is derived from the Switching Cost Information System (SCIS) model licensed from Bellcore; specifically the SCIS Model Office output.

A	B
Getting Started Investments per MS (GSC/MS)	[redacted]ote 1)
Cost per Tandem Trunk CCS-O & I (TTCCS)	[redacted]Note 1)
Cost per SS7 Octet (SSP)	[redacted](Note 1)
Cost per Octet (SS7)	[redacted]Note 2)
Processor Utilization - Trunk to Trunk (PUTT)	[redacted]Note 3)
Octets per Originating Call (OCT)	[redacted] (Note 4)
Annual Charge Factor (ACF).	.24 (Note 5)
Call Duration (CD)	4.94 (Note 6)
Land & Building, Factor (LBF)	1.043 (Note 7)

Notes:
(1) Source: SCIS Model Office output
(2) Source: CCSCIS Aggregation Model, average Links plus Octets costs for Trunk Signaling.
(3) Source: SCIS-IN Real Time table, item 975.03 (Nortel proprietary)
(4) Source: SCIS-IN Octet Table, items [OC939.00+(0.70*OC939.01)] @
(5) Annual Charge Factor should exclude corporate overheads
(6) Source: Customer Usage Study
(7) Land & Building Factor

@ Assumes 70% call completion ratio

TSLRIC Costs per Intermediary Switching



In this instance, illustrated above, the CLEC interconnects with another CLEC through the ILEC's access tandem office. The costs incurred by the ILEC are the processor time and SS7 signaling required to set up the call at the access tandem and the incoming and outgoing tandem trunk CCS costs.

1. Cost per Trunk Side Tandem Terminating Call Set-up

= (GSC/Ms * PUTT) * ACF * BH/FD / EBD * LBP
= [redacted] .24 * .10/365 * 1.043
= [redacted]

2. Cost per Trunk Side Tandem Terminating MOU

= (2 * TTCCS) * ACF * BH/FD / ED * CCS/MOU * LBP
= (2 * [redacted] * .24 * .10/365 * .60 * 1.043
= [redacted]

3. Cost per SS7 Call Set-up

= (SS7 + SSP) * OCT * ACF * BH/FD / EBD * LBP
= [redacted] * .24 * .10/365 * 1.043
= [redacted]

TSLRIC Costs per Intermediary Switching

Assumptions - Most of this information is derived from the Switching Cost Information System (SCIS) model licensed from Bellcore; specifically the SCIS Model Office output.

A	B
Getting Started Investments per MS (GSC/MS)	[redacted] (Note 1)
Cost per Tandem Trunk CCS-O & I (TTCCS)	[redacted] (Note 1)
Cost per SS7 Octet (SSP)	[redacted] (Note 1)
Cost per Octet (SS7)	[redacted] (Note 2)
Processor Utilization - Trunk to Trunk (PUTT)	[redacted] (Note 3)
Octets per Originating Call (OCT)	[redacted] (Note 4)
Annual Charge Factor (ACF).	.24 (Note 5)
Call Duration (CD)	4.94 (Note 6)
Land & Building, Factor (LBF)	1.043 (Note 7)

Notes:
(1) Source: SCIS Model Office output
(2) Source: CCSCIS Aggregation Model, average Links plus Octets costs for Trunk Signaling.
(3) Source: SCIS-IN Real Time table, item 975.03 (Nortel proprietary)
(4) Source: SCIS-IN Octet Table, items [OC939.00+(0.70*OC939.01)] @
(5) Annual Charge Factor should exclude corporate overheads
(6) Source: Customer Usage Study
(7) Land & Building Factor

@ Assumes 70% call completion ratio

SS7 Investment

- Switching offices which serve as Service Switching Points (SSPs) to provide link access to the SS7 network require an additional resource investment output - "Investment per SS7 Octet".
- The "Investment per SS7 Octet" is developed as a levelized cost which reflects the SS7 investments and demand for signaling octets over the economic life of the SS7 equipment.
- Three calculation options are available based upon Economic Options and Parameters:

    1. Capacity Investment of the next link set.
    2. Non-exhaust marginal cost equals zero.
    3. Long Formula calculated when link sets are added over economic life.

- Input data for "Investment per SS7 Octet" analysis may be provided as:

    – Link Only

    – Service Only

    – Link and Service

TRANSPORT MILEAGE ASSUMPTIONS

In lieu of any specific ALEC forecasts or business plans, the average mile per circuit being used as the transport distance associated with the access tandem is 10 miles. Using a distance of 10 miles and the TSLRIC cost of [redacted] per DS1 fixed and [redacted] per DS1 mile, the transport cost - Access tandem is [redacted]

Past experience indicates that the transport distance associated with the local tandem should be something less than the distance associated with the access tandem. Again, given no specific forecasts, an assumption was made that the distance would be half that of the access tandem or 5 miles. Using the distance of 5 miles and the TSLRIC cost of [redacted] per DS1 fixed and [redacted] per DS1 mile, the transport cost - Local tandem is [redacted]

SECTION III

Switching Cost Information System (SCIS) Overview

The Switching Cost Information System (SCIS) is a Bellcore developed system of models which Sprint utilizes for switching investment and cost development. SCIS is the predominently used model in the telecommunications industry within the United States in determining switch related investment/cost. In July, 1992 Arthur Anderson & Co. completed an independent review of SCIS and found the output is generally reasonable and consistent with principles of cost causation.

The Switching Cost Information System consists of three interactive models: SCIS-MO, SCIS-IN, and CCSCIS. SCIS-MO is the Model Office Module and calculates a standard set of basic investment building blocks for offices and remotes. Sprint uses SCIS to calculate investment for Nortel's and AT&T's (Lucent) switch technologies. .The investments can be calculated for a single switch or aggregated to reflect multiple switches and geographic areas. CCSCIS models the Common Channel Signaling investment associated with switching investment. SCIS-IN utilizes switch vendor tables[1], results of SCIS-MO and CCSCIS studies and feature specific inputs and calculations to determine investment associated with network features and services.

Various cost methodologies can be modeled through SCIS including Average, Marginal-Capacity and Marginal-Long Formula. The terminology Average, Marginal-Capacity and Marginal-Long Formula is Bellcore's labeling and should not be confused with the meaning which those terms might have in economic circles.

Marginal cost, as produced in SCIS, would be representative of LRIC costs as it reflects the additional cost created (or avoided) by the decision to provide (or not provide) an additional block of output. In order to most appropriately reflect TSLRIC, Sprint utilizes the Average Model Office investment in SCIS. The Marginal runs would reflect a theoretical capacity utilization which would result in a cost which is lower than that actually realized. The Average model office investment more accurately reflects the actual costs incurred by the incumbent LEC to provide a network element to an alternative LEC. This methodology is consistent with the language in Order No. PSC-96-0811-FOF-TP at page 13 which states: "These (cost) estimates shall be based on the providers current or prospective network facilities, as opposed to some theoretically optimal network configuration."

[1] Switch vendor tables contain input data provided by the vendor for its switch types. This data is used in the algorithms for calculating investments. Examples of vendor tables are: Capacity Table, SS7 Capacity Table, Assumption Table, Real Time Table, etc.

TSLRIC vs LRIC

Long Run Incremental Cost (LRIC) is the additional cost created (or avoided) by the decision to provide (or not to provide) an additional block of output. If the service is already being provided, LRIC includes only the variable costs of providing the additional block of output.

Total Service Long Run Incremental Cost (TSLRIC) is a variation of LRIC. TSLRIC represents the additional cost created by providing an entire service. Specifically, TSLRIC includes all fixed and volume sensitive costs created by offering the entire service, or avoided by not offering the entire service. In other words, the TSLRIC of a specific service is equal to the difference between (1) the total cost of the company providing all services, and (2) the total cost of the company providing all services except the specific service.

The TSLRIC of a group of services is equal to the TSLRIC of each individual service within the group plus those fixed and volume sensitive costs created by offering the entire service but not affected by any of the individual services within the group.

TSLRIC (or LRIC) should include only current or forward looking technologies. Typically, these studies make some basic assumptions as to the infrastructure to be used. For example, existing central office locations will be used, although the technology may differ from that which currently exists. Existing infrastructure, such as conduit, will also be used.

A so-called "scorched earth" approach is another variation which assumes there is no existing infrastructure, i.e. anything is possible. For example, a central office location may be anywhere the analyst believes is more efficient. Existing outside plant configurations may be replaced by some "leap-frog" technology.

For purposes of network element unbundling, TSLRIC is the appropriate costing standard. In this instance, we are concerned with the cost of providing network elements associated with telecommunication services, versus not providing those network elements.

TSLRIC Investment of Unbundled Network Elements

Typically, both LRIC and TSLRIC studies determine the incremental investment associated with a specific service, and then apply an appropriate annual charge factor.

For switching and transport, while specific equipment will vary in practice, the following investment items are typically included in the TSLRIC incremental investment. The items marked with an asterisk might not be included in a LRIC study where the existing service already exists. However, there is no absolute rule. Each service and the purpose for which the study is being done must be analyzed to identify specifically what cost elements should or should not be included.

Unbundled Switching:

- Line Termination
    - ◊ Line Card
    - ◊ Main Distribution Frame
    - ◊ Protection
- Central Processing Units *
- Memory
- Line-side traffic sensitive investment
- Trunk-side traffic sensitive investment
- Network matrix
- Remote switches
- Host-remote umbilicals
- Land, building, and power for central offices and remotes *
- Software essential for basic exchange and interexchange switching functions *
- Generic upgrades

Unbundled Transport:

- Fiber cable
- Fiber repeaters
- Fiber tip cable
- Fiber patch panels
- Fiber optic terminals
- DSX3 cross connects
- M1/3 multiplexers
- DSX1 cross connects
- Conduit *
- Poles *
- Rights-of-way *

TSLRIC Incremental Annual Charge Factor:

The following expense items are typically included in an incremental study.

- Maintenance
- Depreciation
- Customer services
- Income taxes
- Property taxes
- Return on investment, including equity

Specifically excluded from an incremental study are corporate overheads and administrative expenses which are not directly attributable to individual services.

SECTION IV

COST STUDY RESULTS
CALCULATIONS USING SCIS OUTPUTS

TOTAL SERVICE LONG RUN INCREMENTAL COSTS (TSLRIC) - END OFFICE CONFIDENTIAL SECT Pag.

Average Minutes per Message	4.9375
First Minute	-1
Additional Minute	3.9375

END OFFICE CALCULATIONS

Setup	[redacted]	[redacted]*.24*.10/365/.70*1.043
MOU	[redacted]	[redacted])*.24*.10/365*.60/.75*1.043
SS7	[redacted]	[redacted]*0.24*0.1/365/.70*1.043

First Minute:		Additional Minute:	
Setup	[redacted]	MOU	[redacted]
MOU		SS7	
SS7			

Cost of Average Call =	[redacted]	[redacted]*3.9375)+[redacted]
Per MOU - End Office =		[redacted]/4.9375
Per MOU End Office -	[redacted]	

Footnotes:

Setup - Getting Started Investment per Millisecond [redacted] multiplied by the Processor Utilization Line to Line [redacted] multiplied by the Annual Charge Factor (.24) multiplied by the Busy Hour/Full Day Ratio (.10) divided by the Equivalent Business Days per year (365) divided by the Call Completion Ratio (.70) multiplied by the Land & Building factor (1.043).

MOU - Sum of the Cost per Line CCS [redacted] and the cost per Trunk CCS [redacted] multiplied by the Annual Charge Factor (.24) multiplied by the Busy Hour/Full Day Ratio (.10) divided by the Equivalent Business Days per Year (365) multiplied by the CCS/MOU Conversion (.60) divided by the Conversation Time Ratio (.75) multiplied by the Land & Building factor (1.043).

SS7 - Sum of the Cost per SS7 Octet, SSP, [redacted] and the Cost per Octet [redacted] multiplied by the Octets per Call [redacted] multiplied by the Annual Charge Factor (.24) multiplied by the Busy Hour/Full Day Ratio (.10) divided by the Equivalent Business Days per year (365) divided by the Call completion Ratio (.70) multiplied by the Land & Building factor (1.043).

Average Minutes per Message - Source: See Attachment 8

1 TOTAL SERVICE LONG RUN INCREMENTAL COSTS (TSLRIC) - LOCAL TANDEM

2	Average Minutes per Message	4.9375
3	First Minute	-1
4	Additional Minute	3.9375

5 LOCAL TANDEM CALCULATIONS

6	Setup	[redacted]	[redacted])*.24*.10/365*1.043
7	MOU		((2*[redacted])*0.24*0.1/365*0.6*1.043
8	SS7		[redacted]*0.24*0.1/365*1.043
9	Transport		([redacted]+(4.0*[redacted]/216000*1.043

10	First Minute:		Additional Minute:	
11	Setup	[redacted]	MOU	[redacted]
12	MOU		SS7	
13	SS7			
13a				

14	Cost of Average Call =	[redacted]	[redacted]*3.9375)+[redacted]
15	Per MOU - Local Tandem =		[redacted]/4.9375
16	Per MOU Local Tandem	[redacted]	
17	Per MOU Local Tandem -	[redacted]	
18	Per MOU End Office -		
19	Total per MOU w/o transport Loc Tdm		
20	Transport		
21	Total per MOU w/transport Loc Tdm		

22 Footnotes:

23 Setup - Getting Started Investment per Millisecond [redacted] multiplied by the sum of
24 the Processor Utilization-Trunk to Trunk ([redacted]) multiplied by the Annual Charge
25 Factor (.24) multiplied by the Busy Hour/Full Day Ratio (.10) divided by the
26 Equivalent Business Days per year (365) multiplied by the Land & Building
27 factor (1.043).

28 MOU - Multiply the Cost per Trunk CCS-Outgoing & Incoming [redacted] by 2,
29 multiplied by the Annual Charge Factor (.24) multiplied by the Busy Hour/Full Day
30 Ratio (.10 divided by the Equivalent Business Days per year (365) multiplied by the
31 MOU/CCS Conversion (.60) multiplied by the Land & Building factor (1.043).

32 SS7 - Sum of the Cost per SS7 Octet, SSP, [redacted] and the Cost per Octet [redacted]
33 multiplied by the Octets per Call [redacted] multiplied by the Annual Charge Factor (.24)
34 multiplied by the Busy Hour/Full Day Ratio (.10) divided by the Equivalent Business
35 Days per year (365) multiplied by the Land & Building factor (1.043).

36 Transport - Fixed ([redacted] plus DS1/Mile [redacted] multiplied by average miles (4.0)
37 multiplied by Land & Building factor (1.043).

38 Average Minutes per Message - Source: See Attachment 8

TOTAL SERVICE LONG RUN INCREMENTAL COSTS (TSLRIC) - ACCESS TANDEM

Average Minutes per Message	4.9375
First Minute	-1
Additional Minute	3.9375

ACCESS TANDEM CALCULATIONS

Setup	[redacted]	[redacted])*.24*.10/365*1.043
MOU		(2*[redacted])*.24*.10/365*.60*1.043
SS7		[redacted]*0.24*0.1/365*1.043
Transport		[redacted]+(9.0[redacted]/216000*1.043

First Minute:		Additional Minute:	
Setup	[redacted]	MOU	[redacted]
MOU		SS7	
SS7			
			[redacted]
	[redacted]		

Cost of Average Call =	[redacted]	[redacted]3.9375)+[redacted]
Per MOU - Access Tandem =		[redacted].9375

Per MOU Access Tandem -	[redacted]
Per MOU End Office -	
Total per MOU w/o Transport - Access Tdm -	
Transport	
Total per MOU w/Transport - Access Tdm -	

Footnotes:

Setup - Getting Started Investment per Millisecond [redacted] multiplied by the Processor Utilization-Trunk to Trunk Milliseconds [redacted] multiplied by the Annual Charge Factor (.24) multiplied by the Busy Hour/Full Day Ratio (.10) divided by the Equivalent Business Days per year (365) multiplied by the Land & Building factor (1.043).

MOU - Multiply the Investment per Tandem Trunk CCS [redacted] by 2, multiplied by the Annual Charge Factor (.24) multiplied by the Busy Hour/Full Day Ratio (.10) divided by the Equivalent Business Days per year (365) multiplied by the CCS/MOU Conversion (.60) multiplied by the Land & Building factor (1.043).

SS7 - Sum of the Cost per SS7 Octet, SSP, [redacted] and the Cost per Octet [redacted] multiplied by the Octets per call [redacted] multiplied by the Annual Charge Factor (.24) multiplied by the Busy Hour/Full Day Ratio (.10) divided by the Equivalent Business Days per year (365) multiplied by the Land & Building factor (1.043).

Transport - Fixed [redacted] plus DS1/Mile [redacted] multiplied by average miles (9.0) multiplied by Land & Building factor (1.043).

Average Minutes per Message - Source: See Attachment 8

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1 **INTERMEDIARY TANDEM TSLRIC COST**

	A	B
2	Tandem Switching - per MOU	[redacted]
3	1 Mile of Transport ([redacted] ÷ 216,000)	[redacted]
4	Intermediary Tandem	[redacted]

SECTION V

SWITCHING COST INFORMATION SYSTEM (SCIS)

Explanation of Terms

Cost Per Millisecond/Getting Started Investment

As relates to SCIS, the cost to provide common components that are required by the system before any subscribers may be served. Getting Started investment also includes Breakage. Breakage is the cost attributable to the inevitable underutilization of equipment. Many central office equipment components are purchased in large modules, i.e., frames, modules, units, shelves, etc., which may exceed a particular equipment requirement.

Line Termination Investment

a) Minimum Cost Per Line
Total of Working Plain Old Telephone Service (POTS) Line Cost and Excess Hundred Call Second (CCS) Capacity Cost.

b) Working POTS Line Cost
The Working POTS Line Termination Cost is the cost associated with the physical appearance of a line on the switch. The primary cost components for analog lines are the Distribution and Protection frame costs and the Line Card. The primary cost component for SLC-96 lines is the DS-1 termination.

c) Excess CCS Capacity Cost
Excess CCS Capacity Cost is that portion of the traffic-sensitive cost components not recovered by actual usage. It occurs when the input Originating + Terminating (O+T) CCS per Line, which is the actual usage, is less than the adjusted capacity breakpoint CCS per line. This unused CCS is identified as Excess Capacity. It recovers the cost of the unused Line Concentrating Module (LCM) at a Remote Line Concentrating Module (RLCM) and Remote Switching Center (RSC).

The cost for ISDN lines is composed of the above components, along with the Getting Started Cost per Basic Rate Interface (BRI), which includes BRI-specific breakage and spares.

Cost Per Line CCS (Originating or Terminating)

The usage cost for the office. It represents the actual use of traffic-sensitive cost components in the office being studied.

Note: The Cost per Line CCS reflects a weighted average of all analog and digital POTS lines in the office. This includes any analog line terminated on Line Concentrating Modules Enhanced Network (LCMEs) entered as ISDN data.

Digitone Increment per Digitone Call

Digital lines require Digitone (DT) receivers, housed in Maintenance Trunk Modules, to process Digitone dialing. The Digitone Increment per Digitone Call represents the incremental costs for Digitone service on digital lines.

Cost per Trunk CCS

The Cost per Trunk CCS Originating/Incoming (O/I) category reflects the cost associated with local trunk usage (analog, digital, and DS0 clear channel capability [DS0 CCC] digital) for interoffice calls. A weighted average is determined from the analog, digital, and DSO CCC digital trunk mix of the offices being studied. The Cost per Trunk CCS is calculated for end offices (DMS100) and end office/tandem combined switches (DMS100/200).

Cost Per Umbilical CCS

The equipment at each end of the host and the remote. Host includes T1 terminating card Line Group Controller (LGC) or Line Trunk Controller (LTC), a portion of the LGC and a portion of the Double Shelf Network Equipment (DSNE) or Enhanced Network (ENET). The remote includes the T1 termination card. This does not include the span line connecting the host to the remote. That is covered in the transport model.

SECTION VI

The following page (SCIS Model Office - End Office Output page) represents the Switching Cost Information System (SCIS) Model Office investment results. A composite study of five representative end offices were used to develop these investment results.

1 SPRINT/UNITED TELEPHONE-FLORIDA/S-CF
2 SWITCHING COST INFORMATION SYSTEM
3 DMS-100F GRAND WEIGHTED INVESTMENT REPORT
4 Study: 96COMB/S- Comb:ALSP,APPK,LKBR,WNPK,MTLD-1996 July 15, 1996
Version 2.1
5 Economic Option: Average Generic: BCS 36 - STANDARD
6 Total Offices: 5 Effective Date: 01/01/1994
7 Total Remotes: 59

8 Forward Looking Cost of Money: 10.50
9 Processor Utilization Factor: 0.5060

	A	B
10		E, F & I Unit Investment
11 Getting Started Inv. Per MS:		[redacted]
12 Line Termination Inv.		
13 Minimum Inv. Per Line:		[redacted]
14 A. Working Line Investment:		
15 C. Excess CCS Capacity Investment:		
16 Inv. Per Line CCS (O+T):		
17 Inv. Per Call Type		
18 Inv. Per Incoming Call:		[redacted]
19 Inv. Per Incoming Tandem Call:		NA
20 Inv. Per Trunk CCS (O+I):		[redacted]
21 Inv. Per Tandem Trunk CCS (O+I):		NA
22 Inv. Per SS7 Octet:		[redacted]
23 Umbilical Trunk Inv. Per CCS (O+I):		[redacted]

The following pages are the inputs for the end offices and remotes, provided by the engineers, which are required for the Switching Cost Information System (SCIS). These inputs are used to develop the investment results.

CONFIDENTIAL

1	DMS100 HOST INPUTS A		B
2	Altamonte Springs		
3	Type:		End Office
4	Equipped With:		Lines, Trks, SS7, ISDN, LPP, Remotes
5	High Day/Avg Busy Season CCS Ratio:		1.20
6	Network Type:		Dual Cabinet Enhanced Network
7	Network Modules:		N/A
8	Year of Switch Cutover:		1988
9	Peak to Average Busy Hour Factor:		[redacted]
10	Upgrade CPU Before Sw Replacement:		YES
11	Upgrade Sequence Type:		Supernode (SN)
12	Initial Processor Configuration:		Supernode 20 (SN20)
13	Switch Economic Life:		15
14	Upgrade within 5 Years:		YES
15	% Util At End of Economic Life:		70

		Year	% Util	RTUS Mat
17	SN20:	1988	35	[redacted]
18	SN30:	1992	55	
19	SN 60:	1995	35	

20	LPP Type:	Single-shelf
21	Slots Used:	12

	A	B
22	Number of Lines:	[redacted]
23	Administrative Fill Factor:	
24	Avg Busy Season Busy Hour Outg+Inc CCS Per Line:	
25	Avg Busy Season Busy Hour Outg+Inc Calls Per Line:	
26	DS-30As per Line Concentrating Module:	
27	DS-30s per Line Group Controller:	16
28	Concentration Ratio:	5:4
29	Number of Trunks:	[redacted]
30	Administrative Fill:	
31	Avg Busy Season Busy Hour Outg+Inc CCS Per Trunk:	
32	Avg Busy Season Busy Hour Outg+Inc Calls Per Trunk:	
33	% of Local Dig Trks that are DSO Clear Channel Capability:	90
34	% of Outg+Inc Calls Using Inband Signaling:	10
35	SS7 Installation:	1990
36	Economic Life, in Years, of SS7 Equip:	15
37	SS7 Equipment:	LPP
38	Input Mode:	LINK
39	Link Pairs Added:	2
40	Percent Utilized:	[redacted]
41	End of Economic Life:	70

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SECT
Page

1 DMS100 HOST INPUTS

A

B

2 Apopka

3	Type:			End Office
4	Equipped With:			Lines, Trks, SS7, LPP, Remotes
5	High Day/Avg Busy Season CCS Ratio:			1.20
6	Network Type:			Double Shelf Network Equip.
7	Network Modules:			9
8	Year of Switch Cutover:			1990
9	Peak to Average Busy Hour Factor:			[redacted]
10	Upgrade CPU Before Sw Replacement:			YES
11	Upgrade Sequence Type:			Supernode (SN)
12	Initial Processor Configuration:			Supernode 20 (SN20)
13	Switch Economic Life:			15
14	Upgrade within 5 Years:			YES
15	% Util At End of Economic Life:			70
16		Year	% Util	RTUS Mat
17	SN20:	1990	35	[redacted]
18	SN30:			
19	SN 60:	1994	35	
20	LPP Type:		Single-shelf	
21	Slots Used:		12	

A

B

22	Number of Lines:	[redacted]
23	Administrative Fill Factor:	
24	Avg Busy Season Busy Hour Outg+Inc CCS Per Line:	
25	Avg Busy Season Busy Hour Outg+Inc Calls Per Line:	
26	DS-30As per Line Concentrating Module:	
27	DS-30s per Line Group Controller:	16
28	Concentration Ratio:	5:4
29	Number of Trunks:	[redacted]
30	Administrative Fill:	
31	Avg Busy Season Busy Hour Outg+Inc CCS Per Trunk:	
32	Avg Busy Season Busy Hour Outg+Inc Calls Per Trunk:	
33	% of Local Dig Trks that are DSO Clear Channel Capability:	90
34	% of Outg+Inc Calls Using Inband Signaling:	10
35	SS7 Installation:	1991
36	Economic Life, in Years, of SS7 Equip:	15
37	SS7 Equipment:	LPP
38	Input Mode:	LINK
39	Link Pairs Added:	1
40	Percent Utilized:	[redacted]
41	End of Economic Life:	70

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1 **DMS100 HOST INPUTS**

A

B

2 Lake Brantley

3 Type: End Office

4 Equipped With: Lines, Trks, Remotes, SS7, LPP

5 High Day/Avg Busy Season CCS Ratio: 1.20

6 Network Type: Double Shelf Network Equip.

7 Network Modules: 10

8 Year of Switch Cutover: 1990

9 Peak to Average Busy Hour Factor: [redacted]

10 Upgrade CPU Before Sw Replacement: YES

11 Upgrade Sequence Type: Supernode (SN)

12 Initial Processor Configuration: Supernode 20 (SN20)

13 Switch Economic Life: 15

14 Upgrade within 5 Years: NO

15 % Util At End of Economic Life: 70

16	Year	% Util	RTU$ Mat
17 SN20:	1990	35	[redacted]
18 SN30:			
19 SN 60:	1995	35	

20 LPP Type: Single-shelf

21 Slots Used: 12

A	B
22 Number of Lines:	[redacted]
23 Administrative Fill Factor:	[redacted]
24 Avg Busy Season Busy Hour Outg+Inc C	[redacted]
25 Avg Busy Season Busy Hour Outg+Inc C	[redacted]
26 DS-30As per Line Concentrating Module:	[redacted]
27 DS-30s per Line Group Controller:	16
28 Concentration Ratio:	5:4
29 Number of Trunks:	[redacted]
30 Administrative Fill:	[redacted]
31 Avg Busy Season Busy Hour Outg+Inc C	[redacted]
32 Avg Busy Season Busy Hour Outg+Inc C	[redacted]
33 % of Local Dig Trks that are DSO Clear C	90
34 % of Outg+Inc Calls Using Inband Signali	10
35 SS7 Installation:	1990
36 Economic Life, in Years, of SS7 Equip:	15
37 SS7 Equipment:	LPP
38 Input Mode:	LINK
39 Link Pairs Added:	1
40 Percent Utilized:	[redacted]
41 End of Economic Life:	70

1 DMS100 HOST INPUTS

	A			B
2	Maitland			
3	Type:			End Office
4	Equipped With:			Lines, Trks, Rem, SS7, LPP, ISDN
5	High Day/Avg Busy Season CCS Ratio:			1.20
6	Network Type:			Double Shelf Network Equip.
7	Network Modules:			6
8	Year of Switch Cutover:			1990
9	Peak to Average Busy Hour Factor:			[redacted]
10	Upgrade CPU Before Sw Replacement:			YES
11	Upgrade Sequence Type:			Supernode (SN)
12	Initial Processor Configuration:			Supernode 20 (SN20)
13	Switch Economic Life:			15
14	Upgrade within 5 Years:			NO
15	% Util At End of Economic Life:			70
16		Year	% Util	RTUS Mat
17	SN20:	1990	35	[redacted]
18	SN30:			
19	SN 60:	1996	35	

20	LPP Type:	Full
21	Slots Used:	36

22	Number of Lines:	[redacted]
23	Administrative Fill Factor:	[redacted]
24	Avg Busy Season Busy Hour Outg+Inc C	[redacted]
25	Avg Busy Season Busy Hour Outg+Inc C	[redacted]
26	DS-30As per Line Concentrating Module:	[redacted]
27	DS-30s per Line Group Controller:	16
28	Concentration Ratio:	5:4
29	Number of Trunks:	[redacted]
30	Administrative Fill:	[redacted]
31	Avg Busy Season Busy Hour Outg+Inc C	[redacted]
32	Avg Busy Season Busy Hour Outg+Inc C	[redacted]
33	% of Local Dig Trks that are DSO Clear C	90
34	% of Outg+Inc Calls Using Inband Signali	10
35	SS7 Installation:	1990
36	Economic Life, in Years, of SS7 Equip:	15
37	SS7 Equipment:	LPP
38	Input Mode:	LINK
39	Link Pairs Added:	1
40	Percent Utilized:	[redacted]
41	End of Economic Life:	70

1 DMS100 HOST INPUTS

A B

2 Winter Park

3 Type: End Office
4 Equipped With: Lines, Trks, Remotes, SS7, LPP, ISDN
5 High Day/Avg Busy Season CCS Ratio: 1.20
6 Network Type: Dual Cabinet Enhanced Network
7 Network Modules: NA
8 Year of Switch Cutover: 1988
9 Peak to Average Busy Hour Factor: [redacted]
10 Upgrade CPU Before Sw Replacement: YES
11 Upgrade Sequence Type: Supernode (SN)
12 Initial Processor Configuration: Supernode 20 (SN20)
13 Switch Economic Life: 15
14 Upgrade within 5 Years: YES
15 % Util At End of Economic Life: 70

16		Year	% Util	RTUS Mat
17	SN20:	1988	35	[redacted]
18	SN30:	1992	55	
19	SN 60:	1995	35	

20 LPP Type: Full
21 Slots Used: 36

22 Number of Lines:
23 Administrative Fill Factor:
24 Avg Busy Season Busy Hour Outg+Inc CC
25 Avg Busy Season Busy Hour Outg+Inc Cal
26 DS-30As per Line Concentrating Module: [redacted]
27 DS-30s per Line Group Controller: 16
28 Concentration Ratio: 5:4

29 Number of Trunks:
30 Administrative Fill:
31 Avg Busy Season Busy Hour Outg+Inc CC
32 Avg Busy Season Busy Hour Outg+Inc Cal [redacted]
33 % of Local Dig Trks that are DSO Clear Ch 90
34 % of Outg+Inc Calls Using Inband Signalin 10

35 SS7 Installation: 1990
36 Economic Life, in Years, of SS7 Equip: 15
37 SS7 Equipment: LPP
38 Input Mode: LINK
39 Link Pairs Added: 2
40 Percent Utilized: [redacted]
41. End of Economic Life: 70

1 REMOTES

2 MTLD - Colonnades #1

	A	B	C
3	Equipped with:	Lines	
4	Remote Type:	RLCM	
5	General/Umbilical:		
6	High Day/Avg Busy Season CCS Ratio:		1.2
7	No. of Umbilical T1 Links:		[redacted]
8	Total Umbilical CCS:		
9	Net % Intra-Remote:		
10	Hosting Controller Type for Umbilical Links:		Line Group Controller
11	Lines:		
12	Number of Lines:		[redacted]
13	Admin. Fill Factor (%):		
14	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
15	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
16	DS-30As per Line Control Module:		N/A

17 MTLD - Colonnades #2

18	Equipped with:	Lines	
19	Remote Type:	RLCM	
20	General/Umbilical:		
21	High Day/Avg Busy Season CCS Ratio:		1.2
22	No. of Umbilical T1 Links:		[redacted]
23	Total Umbilical CCS:		
24	Net % Intra-Remote:		
25	Hosting Controller Type for Umbilical Links:		Line Group Controller
26	Lines:		
27	Number of Lines:		[redacted]
28	Admin. Fill Factor (%):		
29	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
30	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
31	DS-30As per Line Control Module:		N/A

1 REMOTES

2 LKBR - Bear Lake

	A	B	C
3	Equipped with:	Lines	
4	Remote Type:	RSC Single RCC	
5	General/Umbilical:		
6	High Day/Avg Busy Season CCS Ratio:		1.2
7	No. of Umbilical T1 Links:		[redacted]
8	Total Umbilical CCS:		
9	Net % Intra-Remote:		
10	Hosting Controller Type for Umbilical Links:		Line Group Controller
11	Lines:		
12	Number of Lines:		[redacted]
13	Admin. Fill Factor (%):		
14	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
15	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
16	DS-30As per Line Control Module:		

17 LKBR - Francis Drive

18	Equipped with:	Lines	
19	Remote Type:	RLCM	
20	General/Umbilical:		
21	High Day/Avg Busy Season CCS Ratio:		1.2
22	No. of Umbilical T1 Links:		[redacted]
23	Total Umbilical CCS:		
24	Net % Intra-Remote:		
25	Hosting Controller Type for Umbilical Links:		Line Group Controller
26	Lines:		
27	Number of Lines:		[redacted]
28	Admin. Fill Factor (%):		
29	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
30	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
31	DS-30As per Line Control Module:		N/A

1 **REMOTES**

2 LKBR - Foxwood

	A	B	C
3	Equipped with:	Lines	
4	Remote Type:	RLCM	
5	**General/Umbilical:**		
6	High Day/Avg Busy Season CCS Ratio:		1.2
7	No. of Umbilical T1 Links:		[redacted]
8	Total Umbilical CCS:		
9	Net % Intra-Remote:		
10	Hosting Controller Type for Umbilical Links:		Line Group Controller
11	**Lines:**		
12	Number of Lines:		[redacted]
13	Admin. Fill Factor (%):		
14	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
15	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
16	DS-30As per Line Control Module:		N/A

17 LKBR - Hunt Club #1

18	Equipped with:	Lines	
19	Remote Type:	RLCM	
20	**General/Umbilical:**		
21	High Day/Avg Busy Season CCS Ratio:		1.2
22	No. of Umbilical T1 Links:		[redacted]
23	Total Umbilical CCS:		
24	Net % Intra-Remote:		
25	Hosting Controller Type for Umbilical Links:		Line Group Controller
26	**Lines:**		
27	Number of Lines:		[redacted]
28	Admin. Fill Factor (%):		
29	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
30	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
31	DS-30As per Line Control Module:		N/A

CONFIDENTIAL

	A	B	C
1	REMOTES		
2	LKBR - Hunt Club #2		
3	Equipped with:	Lines	
4	Remote Type:	RLCM	
5	<u>General/Umbilical:</u>		
6	High Day/Avg Busy Season CCS Ratio:		1.2
7	No. of Umbilical T1 Links:		[redacted]
8	Total Umbilical CCS:		
9	Net % Intra-Remote:		
10	Hosting Controller Type for Umbilical Links:		Line Group Controller
11	<u>Lines:</u>		
12	Number of Lines:		[redacted]
13	Admin. Fill Factor (%):		
14	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
15	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
16	DS-30As per Line Control Module:		N/A
17	LKBR - Hunt Club #3		
18	Equipped with:	Lines	
19	Remote Type:	RLCM	
20	<u>General/Umbilical:</u>		
21	High Day/Avg Busy Season CCS Ratio:		1.2
22	No. of Umbilical T1 Links:		[redacted]
23	Total Umbilical CCS:		
24	Net % Intra-Remote:		
25	Hosting Controller Type for Umbilical Links:		Line Group Controller
26	<u>Lines:</u>		
27	Number of Lines:		[redacted]
28	Admin. Fill Factor (%):		
29	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
30	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
31	DS-30As per Line Control Module:		N/A

1 REMOTES

2 LKBR - Markham Woods

A B C

3 Equipped with: Lines
4 Remote Type: RSC Single RCC

5 General/Umbilical:
6 High Day/Avg Busy Season CCS Ratio: 1.2
7 No. of Umbilical T1 Links: [redacted]
8 Total Umbilical CCS:
9 Net % Intra-Remote:
10 Hosting Controller Type for Umbilical Links: Line Group Controller

11 Lines:
12 Number of Lines: [redacted]
13 Admin. Fill Factor (%):
14 Avg Busy Season Busy Hour Orig +Term CCS Per Line:
15 Avg Busy Season Busy Hour Orig +Term Calls Per Line:
16 DS-30As per Line Control Module:

17 LKBR - Montgomery Road #1

18 Equipped with: Lines
19 Remote Type: RLCM

20 General/Umbilical:
21 High Day/Avg Busy Season CCS Ratio: 1.2
22 No. of Umbilical T1 Links: [redacted]
23 Total Umbilical CCS:
24 Net % Intra-Remote:
25 Hosting Controller Type for Umbilical Links: Line Group Controller

26 Lines:
27 Number of Lines: [redacted]
28 Admin. Fill Factor (%):
29 Avg Busy Season Busy Hour Orig +Term CCS Per Line:
30 Avg Busy Season Busy Hour Orig +Term Calls Per Line:
31 DS-30As per Line Control Module: N/A

1 REMOTES

2 LKBR - Montgomery Road #2

	A	B	C
3	Equipped with:	Lines	
4	Remote Type:	RLCM	
5	General/Umbilical:		
6	High Day/Avg Busy Season CCS Ratio:		1.2
7	No. of Umbilical T1 Links:		[redacted]
8	Total Umbilical CCS:		
9	Net % Intra-Remote:		
10	Hosting Controller Type for Umbilical Links:		Line Group Controller
11	Lines:		
12	Number of Lines:		[redacted]
13	Admin. Fill Factor (%):		
14	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
15	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
16	DS-30As per Line Control Module:		N/A

17 LKBR - Wekiva Springs

18	Equipped with:	Lines	
19	Remote Type:	RSC Dual RCC	
20	General/Umbilical:		
21	High Day/Avg Busy Season CCS Ratio:		1.2
22	No. of Umbilical T1 Links:		[redacted]
23	Total Umbilical CCS:		
24	Net % Intra-Remote:		
25	Hosting Controller Type for Umbilical Links:		Line Group Controller
26	Lines:		
27	Number of Lines:		[redacted]
28	Admin. Fill Factor (%):		
29	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
30	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
31	DS-30As per Line Control Module:		

	A	B	C
1	**REMOTES**		
2	WNPK - Glenridge Way		
3	Equipped with:	Lines	
4	Remote Type:	OPM	
5	**General/Umbilical:**		
6	High Day/Avg Busy Season CCS Ratio:		1.2
7	No. of Umbilical T1 Links:		[redacted]
8	Total Umbilical CCS:		
9	Net % Intra-Remote:		
10	Hosting Controller Type for Umbilical Links:		Line Group Controller
11	**Lines:**		
12	Number of Lines:		[redacted]
13	Admin. Fill Factor (%):		
14	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
15	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
16	DS-30As per Line Control Module:		N/A
17	WNPK - Lee Road		
18	Equipped with:	Lines	
19	Remote Type:	RSC Dual RCC	
20	**General/Umbilical:**		
21	High Day/Avg Busy Season CCS Ratio:		1.2
22	No. of Umbilical T1 Links:		[redacted]
23	Total Umbilical CCS:		
24	Net % Intra-Remote:		
25	Hosting Controller Type for Umbilical Links:		Line Group Controller
26	**Lines:**		
27	Number of Lines:		[redacted]
28	Admin. Fill Factor (%):		
29	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
30	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
31	DS-30As per Line Control Module:		

1 REMOTES

2 WNPK - Lake Sue

A | B | C
3 Equipped with: Lines
4 Remote Type: OPM

5 General/Umbilical:
6 High Day/Avg Busy Season CCS Ratio: 1.2
7 No. of Umbilical T1 Links: [redacted]
8 Total Umbilical CCS:
9 Net % Intra-Remote:
10 Hosting Controller Type for Umbilical Links: Line Group Controller

11 Lines:
12 Number of Lines: [redacted]
13 Admin. Fill Factor (%):
14 Avg Busy Season Busy Hour Orig +Term CCS Per Line:
15 Avg Busy Season Busy Hour Orig +Term Calls Per Line:
16 DS-30As per Line Control Module: N/A

17 WNPK - Orlando Naval Training Ctr. #1

18 Equipped with: Lines
19 Remote Type: RLCM

20 General/Umbilical:
21 High Day/Avg Busy Season CCS Ratio: 1.2
22 No. of Umbilical T1 Links: [redacted]
23 Total Umbilical CCS:
24 Net % Intra-Remote:
25 Hosting Controller Type for Umbilical Links: Line Group Controller

26 Lines:
27 Number of Lines: [redacted]
28 Admin. Fill Factor (%):
29 Avg Busy Season Busy Hour Orig +Term CCS Per Line:
30 Avg Busy Season Busy Hour Orig +Term Calls Per Line:
31 DS-30As per Line Control Module: N/A

1 REMOTES

2 WNPK - Orlando Naval Training Ctr. #2

A B C

3 Equipped with: Lines
4 Remote Type: RLCM

5 General/Umbilical:
6 High Day/Avg Busy Season CCS Ratio: 1.2
7 No. of Umbilical T1 Links: [redacted]
8 Total Umbilical CCS:
9 Net % Intra-Remote:
10 Hosting Controller Type for Umbilical Links: Line Group Controller

11 Lines:
12 Number of Lines: [redacted]
13 Admin. Fill Factor (%):
14 Avg Busy Season Busy Hour Orig +Term CCS Per Line:
15 Avg Busy Season Busy Hour Orig +Term Calls Per Line:
16 DS-30As per Line Control Module: N/A

17 WNPK - Temple Trail

18 Equipped with: Lines
19 Remote Type: RSC Dual RCC

20 General/Umbilical:
21 High Day/Avg Busy Season CCS Ratio: 1.2
22 No. of Umbilical T1 Links: [redacted]
23 Total Umbilical CCS:
24 Net % Intra-Remote:
25 Hosting Controller Type for Umbilical Links: Line Group Controller

26 Lines:
27 Number of Lines: [redacted]
28 Admin. Fill Factor (%):
29 Avg Busy Season Busy Hour Orig +Term CCS Per Line:
30 Avg Busy Season Busy Hour Orig +Term Calls Per Line:
31 DS-30As per Line Control Module:

1 **REMOTES**

2 WNPK - Victoreen

A B C

3 Equipped with: Lines

4 Remote Type: RSC Dual RCC

5 General/Umbilical:

6 High Day/Avg Busy Season CCS Ratio: 1.2

7 No. of Umbilical T1 Links: [redacted]

8 Total Umbilical CCS:

9 Net % Intra-Remote:

10 Hosting Controller Type for Umbilical Links: Line Group Controller

11 Lines:

12 Number of Lines: [redacted]

13 Admin. Fill Factor (%):

14 Avg Busy Season Busy Hour Orig +Term CCS Per Line:

15 Avg Busy Season Busy Hour Orig +Term Calls Per Line:

16 DS-30As per Line Control Module:

1 **REMOTES**

2 ALSP - Big Tree

	A	B	C
3	Equipped with:	Lines	
4	Remote Type:	RSC Single RCC	
5	General/Umbilical:		
6	High Day/Avg Busy Season CCS Ratio:		1.2
7	No. of Umbilical T1 Links:		[redacted]
8	Total Umbilical CCS:		
9	Net % Intra-Remote:		
10	Hosting Controller Type for Umbilical Links:		Line Group Controller
11	Lines:		
12	Number of Lines:		[redacted]
13	Admin. Fill Factor (%):		
14	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
15	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
16	DS-30As per Line Control Module:		

17 ALSP - Cassel Creek

18	Equipped with:	Lines	
19	Remote Type:	RSC Dual RCC	
20	General/Umbilical:		
21	High Day/Avg Busy Season CCS Ratio:		1.2
22	No. of Umbilical T1 Links:		[redacted]
23	Total Umbilical CCS:		
24	Net % Intra-Remote:		
25	Hosting Controller Type for Umbilical Links:		Line Group Controller
26	Lines:		
27	Number of Lines:		[redacted]
28	Admin. Fill Factor (%):		
29	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
30	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
31	DS-30As per Line Control Module:		

A	B	C
1 **REMOTES**		
2 ALSP - Highland St.		
3 Equipped with:	Lines	
4 Remote Type:	OPM	
5 **General/Umbilical:**		
6 High Day/Avg Busy Season CCS Ratio:		1.2
7 No. of Umbilical T1 Links:		[redacted]
8 Total Umbilical CCS:		
9 Net % Intra-Remote:		
10 Hosting Controller Type for Umbilical Links:		Line Group Controller
11 **Lines:**		
12 Number of Lines:		[redacted]
13 Admin. Fill Factor (%):		
14 Avg Busy Season Busy Hour Orig ÷Term CCS Per Line:		
15 Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
16 DS-30As per Line Control Module:		N/A
17 ALSP - Island Lake		
18 Equipped with:	Lines	
19 Remote Type:	RSC Dual RCC	
20 **General/Umbilical:**		
21 High Day/Avg Busy Season CCS Ratio:		1.2
22 No. of Umbilical T1 Links:		[redacted]
23 Total Umbilical CCS:		
24 Net % Intra-Remote:		
25 Hosting Controller Type for Umbilical Links:		Line Group Controller
26 **Lines:**		
27 Number of Lines:		[redacted]
28 Admin. Fill Factor (%):		
29 Avg Busy Season Busy Hour Orig ÷Term CCS Per Line:		
30 Avg Busy Season Busy Hour Orig ÷Term Calls Per Line:		
31 DS-30As per Line Control Module:		

1 **REMOTES**

2 ALSP - Longwood

	A	B	C
3	Equipped with:	Lines	
4	Remote Type:	RSC Dual RCC	
5	**General/Umbilical:**		
6	High Day/Avg Busy Season CCS Ratio:		1.2
7	No. of Umbilical T1 Links:		[redacted]
8	Total Umbilical CCS:		
9	Net % Intra-Remote:		
10	Hosting Controller Type for Umbilical Links:		Line Group Controller
11	**Lines:**		
12	Number of Lines:		[redacted]
13	Admin. Fill Factor (%):		
14	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
15	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
16	DS-30As per Line Control Module:		

17 ALSP - Lake Orienta

18	Equipped with:	Lines	
19	Remote Type:	OPM	
20	**General/Umbilical:**		
21	High Day/Avg Busy Season CCS Ratio:		1.2
22	No. of Umbilical T1 Links:		[redacted]
23	Total Umbilical CCS:		
24	Net % Intra-Remote:		
25	Hosting Controller Type for Umbilical Links:		Line Group Controller
26	**Lines:**		
27	Number of Lines:		[redacted]
28	Admin. Fill Factor (%):		
29	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
30	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
31	DS-30As per Line Control Module:		N/A

1 REMOTES

2 ALSP - Oak Lake #1

	A	B	C
3	Equipped with:	Lines	
4	Remote Type:	OPM	

5 General/Umbilical:
6 High Day/Avg Busy Season CCS Ratio: 1.2
7 No. of Umbilical T1 Links: [redacted]
8 Total Umbilical CCS:
9 Net % Intra-Remote:
10 Hosting Controller Type for Umbilical Links: Line Group Controller

11 Lines:
12 Number of Lines: [redacted]
13 Admin. Fill Factor (%):
14 Avg Busy Season Busy Hour Orig +Term CCS Per Line:
15 Avg Busy Season Busy Hour Orig +Term Calls Per Line:
16 DS-30As per Line Control Module: N/A

17 ALSP - Oak Lake #2

18 Equipped with: Lines
19 Remote Type: OPM

20 General/Umbilical:
21 High Day/Avg Busy Season CCS Ratio: 1.2
22 No. of Umbilical T1 Links: [redacted]
23 Total Umbilical CCS:
24 Net % Intra-Remote:
25 Hosting Controller Type for Umbilical Links: Line Group Controller

26 Lines:
27 Number of Lines: [redacted]
28 Admin. Fill Factor (%):
29 Avg Busy Season Busy Hour Orig +Term CCS Per Line:
30 Avg Busy Season Busy Hour Orig +Term Calls Per Line:
31 DS-30As per Line Control Module: N/A

1 **REMOTES**

2 ALSP - Oranole #1

A | B | C

3 Equipped with: Lines
4 Remote Type: OPM

5 General/Umbilical:
6 High Day/Avg Busy Season CCS Ratio: 1.2
7 No. of Umbilical T1 Links: [redacted]
8 Total Umbilical CCS:
9 Net % Intra-Remote:
10 Hosting Controller Type for Umbilical Links: Line Group Controller

11 Lines:
12 Number of Lines: [redacted]
13 Admin. Fill Factor (%):
14 Avg Busy Season Busy Hour Orig +Term CCS Per Line:
15 Avg Busy Season Busy Hour Orig +Term Calls Per Line:
16 DS-30As per Line Control Module: N/A

17 ALSP - Oranole #2

18 Equipped with: Lines
19 Remote Type: OPM

20 General/Umbilical:
21 High Day/Avg Busy Season CCS Ratio: 1.2
22 No. of Umbilical T1 Links: [redacted]
23 Total Umbilical CCS:
24 Net % Intra-Remote:
25 Hosting Controller Type for Umbilical Links: Line Group Controller

26 Lines:
27 Number of Lines: [redacted]
28 Admin. Fill Factor (%):
29 Avg Busy Season Busy Hour Orig +Term CCS Per Line:
30 Avg Busy Season Busy Hour Orig +Term Calls Per Line:
31 DS-30As per Line Control Module: N/A

1 **REMOTES**

2 ALSP - Oxford Road

		A	B	C
3	Equipped with:		Lines	
4	Remote Type:		OPM	
5	**General/Umbilical:**			
6	High Day/Avg Busy Season CCS Ratio:			1.2
7	No. of Umbilical T1 Links:			[redacted]
8	Total Umbilical CCS:			
9	Net % Intra-Remote:			
10	Hosting Controller Type for Umbilical Links:			Line Group Controller
11	**Lines:**			
12	Number of Lines:			[redacted]
13	Admin. Fill Factor (%):			
14	Avg Busy Season Busy Hour Orig +Term CCS Per Line:			
15	Avg Busy Season Busy Hour Orig +Term Calls Per Line:			
16	DS-30As per Line Control Module:			N/A

17 ALSP - Spartan Drive

18	Equipped with:		Lines	
19	Remote Type:		OPM	
20	**General/Umbilical:**			
21	High Day/Avg Busy Season CCS Ratio:			1.2
22	No. of Umbilical T1 Links:			[redacted]
23	Total Umbilical CCS:			
24	Net % Intra-Remote:			
25	Hosting Controller Type for Umbilical Links:			Line Group Controller
26	**Lines:**			
27	Number of Lines:			[redacted]
28	Admin. Fill Factor (%):			
29	Avg Busy Season Busy Hour Orig +Term CCS Per Line:			
30	Avg Busy Season Busy Hour Orig +Term Calls Per Line:			
31	DS-30As per Line Control Module:			N/A

1 REMOTES

2 ALSP - Short Park

	A	B	C
3	Equipped with:	Lines	
4	Remote Type:	RSC Dual RCC	

5 General/Umbilical:

6 High Day/Avg Busy Season CCS Ratio: 1.2
7 No. of Umbilical T1 Links: [redacted]
8 Total Umbilical CCS:
9 Net % Intra-Remote:
10 Hosting Controller Type for Umbilical Links: Line Group Controller

11 Lines:

12 Number of Lines: [redacted]
13 Admin. Fill Factor (%):
14 Avg Busy Season Busy Hour Orig +Term CCS Per Line:
15 Avg Busy Season Busy Hour Orig +Term Calls Per Line:
16 DS-30As per Line Control Module:

1 **REMOTES**

2 APPK - Border Lake #1

	A	B	C
3	Equipped with:	Lines	
4	Remote Type:	RSC Single RCC	
5	**General/Umbilical:**		
6	High Day/Avg Busy Season CCS Ratio:		1.2
7	No. of Umbilical T1 Links:		[redacted]
8	Total Umbilical CCS:		
9	Net % Intra-Remote:		
10	Hosting Controller Type for Umbilical Links:		Line Group Controller
11	**Lines:**		
12	Number of Lines:		[redacted]
13	Admin. Fill Factor (%):		
14	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
15	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
16	DS-30As per Line Control Module:		

17 APPK - Border Lake #2

18	Equipped with:	Lines	
19	Remote Type:	RSC Single RCC	
20	**General/Umbilical:**		
21	High Day/Avg Busy Season CCS Ratio:		1.2
22	No. of Umbilical T1 Links:		[redacted]
23	Total Umbilical CCS:		
24	Net % Intra-Remote:		
25	Hosting Controller Type for Umbilical Links:		Line Group Controller
26	**Lines:**		
27	Number of Lines:		[redacted]
28	Admin. Fill Factor (%):		
29	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
30	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
31	DS-30As per Line Control Module:		

1 REMOTES

2 APPK - Belmere

	A	B	C
3	Equipped with:	Lines	
4	Remote Type:	OPM	
5	General/Umbilical:		
6	High Day/Avg Busy Season CCS Ratio:		1.2
7	No. of Umbilical T1 Links:		[redacted]
8	Total Umbilical CCS:		
9	Net % Intra-Remote:		
10	Hosting Controller Type for Umbilical Links:		Line Group Controller
11	Lines:		
12	Number of Lines:		[redacted]
13	Admin. Fill Factor (%):		
14	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
15	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
16	DS-30As per Line Control Module:		N/A

17 REMOTES

18 APPK - Bayhill

19	Equipped with:	Lines	
20	Remote Type:	RSC Single RCC	
21	General/Umbilical:		
22	High Day/Avg Busy Season CCS Ratio:		1.2
23	No. of Umbilical T1 Links:		[redacted]
24	Total Umbilical CCS:		
25	Net % Intra-Remote:		
26	Hosting Controller Type for Umbilical Links:		Line Group Controller
27	Lines:		
28	Number of Lines:		[redacted]
29	Admin. Fill Factor (%):		
30	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
31	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
32	DS-30As per Line Control Module:		

1 **REMOTES**

2 APPK - Green Acres #1

	A	B	C
3	Equipped with:	Lines	
4	Remote Type:	OPM	
5	General/Umbilical:		
6	High Day/Avg Busy Season CCS Ratio:		1.2
7	No. of Umbilical T1 Links:		[redacted]
8	Total Umbilical CCS:		
9	Net % Intra-Remote:		
10	Hosting Controller Type for Umbilical Links:		Line Group Controller
11	Lines:		
12	Number of Lines:		[redacted]
13	Admin. Fill Factor (%):		
14	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
15	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
16	DS-30As per Line Control Module:		N/A

17 APPK - Green Acres #2

18	Equipped with:	Lines	
19	Remote Type:	OPM	
20	General/Umbilical:		
21	High Day/Avg Busy Season CCS Ratio:		1.2
22	No. of Umbilical T1 Links:		[redacted]
23	Total Umbilical CCS:		
24	Net % Intra-Remote:		
25	Hosting Controller Type for Umbilical Links:		Line Group Controller
26	Lines:		
27	Number of Lines:		[redacted]
28	Admin. Fill Factor (%):		
29	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
30	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
31	DS-30As per Line Control Module:		N/A

1 REMOTES

2 APPK - Harper Valley

	A	B	C
3	Equipped with:	Lines	
4	Remote Type:	OPM	
5	General/Umbilical:		
6	High Day/Avg Busy Season CCS Ratio:		1.2
7	No. of Umbilical T1 Links:		[redacted]
8	Total Umbilical CCS:		
9	Net % Intra-Remote:		
10	Hosting Controller Type for Umbilical Links:		Line Group Controller
11	Lines:		
12	Number of Lines:		[redacted]
13	Admin. Fill Factor (%):		
14	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
15	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
16	DS-30As per Line Control Module:		N/A

17 APPK - Jones Avenue

18	Equipped with:	Lines	
19	Remote Type:	OPM	
20	General/Umbilical:		
21	High Day/Avg Busy Season CCS Ratio:		1.2
22	No. of Umbilical T1 Links:		[redacted]
23	Total Umbilical CCS:		
24	Net % Intra-Remote:		
25	Hosting Controller Type for Umbilical Links:		Line Group Controller
26	Lines:		
27	Number of Lines:		[redacted]
28	Admin. Fill Factor (%):		
29	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
30	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
31	DS-30As per Line Control Module:		N/A

1 **REMOTES**

2 APPK - Lake Alma

	A	B	C
3	Equipped with:	Lines	
4	Remote Type:	RSC Dual RCC	
5	General/Umbilical:		
6	High Day/Avg Busy Season CCS Ratio:		1.2
7	No. of Umbilical T1 Links:		[redacted]
8	Total Umbilical CCS:		
9	Net % Intra-Remote:		
10	Hosting Controller Type for Umbilical Links:		Line Group Controller
11	Lines:		
12	Number of Lines:		[redacted]
13	Admin. Fill Factor (%):		
14	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
15	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
16	DS-30As per Line Control Module:		

17 APPK - Lake Down #1

18	Equipped with:	Lines	
19	Remote Type:	OPM	
20	General/Umbilical:		
21	High Day/Avg Busy Season CCS Ratio:		1.2
22	No. of Umbilical T1 Links:		[redacted]
23	Total Umbilical CCS:		
24	Net % Intra-Remote:		
25	Hosting Controller Type for Umbilical Links:		Line Group Controller
26	Lines:		
27	Number of Lines:		[redacted]
28	Admin. Fill Factor (%):		
29	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
30	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
31	DS-30As per Line Control Module:		N/A

	A	B	C
1	REMOTES		
2	APPK - Lake Down #2		
3	Equipped with:	Lines	
4	Remote Type:	OPM	
5	General/Umbilical:		
6	High Day/Avg Busy Season CCS Ratio:		1.2
7	No. of Umbilical T1 Links:		[redacted]
8	Total Umbilical CCS:		
9	Net % Intra-Remote:		
10	Hosting Controller Type for Umbilical Links:		Line Group Controller
11	Lines:		
12	Number of Lines:		[redacted]
13	Admin. Fill Factor (%):		
14	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
15	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
16	DS-30As per Line Control Module:		N/A
17	APPK - Lakeville #1		
18	Equipped with:	Lines	
19	Remote Type:	OPM	
20	General/Umbilical:		
21	High Day/Avg Busy Season CCS Ratio:		1.2
22	No. of Umbilical T1 Links:		[redacted]
23	Total Umbilical CCS:		
24	Net % Intra-Remote:		
25	Hosting Controller Type for Umbilical Links:		Line Group Controller
26	Lines:		
27	Number of Lines:		[redacted]
28	Admin. Fill Factor (%):		
29	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
30	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
31	DS-30As per Line Control Module:		N/A

	A	B	C
1	**REMOTES**		
2	APPK - Lakeville #2		
3	Equipped with:	Lines	
4	Remote Type:	OPM	
5	General/Umbilical:		
6	High Day/Avg Busy Season CCS Ratio:		1.2
7	No. of Umbilical T1 Links:		[redacted]
8	Total Umbilical CCS:		
9	Net % Intra-Remote:		
10	Hosting Controller Type for Umbilical Links:		Line Group Controller
11	Lines:		
12	Number of Lines:		[redacted]
13	Admin. Fill Factor (%):		
14	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
15	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
16	DS-30As per Line Control Module:		N/A
17	APPK - Lake Lerla		
18	Equipped with:	Lines	
19	Remote Type:	OPM	
20	General/Umbilical:		
21	High Day/Avg Busy Season CCS Ratio:		1.2
22	No. of Umbilical T1 Links:		[redacted]
23	Total Umbilical CCS:		
24	Net % Intra-Remote:		
25	Hosting Controller Type for Umbilical Links:		Line Group Controller
26	Lines:		
27	Number of Lines:		[redacted]
28	Admin. Fill Factor (%):		
29	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
30	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
31	DS-30As per Line Control Module:		N/A

1 **REMOTES**

2 APPK - McCormick Road #1

A | B | C

3 Equipped with: Lines
4 Remote Type: OPM

5 General/Umbilical:
6 High Day/Avg Busy Season CCS Ratio: 1.2
7 No. of Umbilical T1 Links: [redacted]
8 Total Umbilical CCS:
9 Net % Intra-Remote:
10 Hosting Controller Type for Umbilical Links: Line Group Controller

11 Lines:
12 Number of Lines: [redacted]
13 Admin. Fill Factor (%):
14 Avg Busy Season Busy Hour Orig +Term CCS Per Line:
15 Avg Busy Season Busy Hour Orig +Term Calls Per Line:
16 DS-30As per Line Control Module: N/A

17 APPK - McCormick Road #2

18 Equipped with: Lines
19 Remote Type: OPM

20 General/Umbilical:
21 High Day/Avg Busy Season CCS Ratio: 1.2
22 No. of Umbilical T1 Links: [redacted]
23 Total Umbilical CCS:
24 Net % Intra-Remote:
25 Hosting Controller Type for Umbilical Links: Line Group Controller

26 Lines:
27 Number of Lines: [redacted]
28 Admin. Fill Factor (%):
29 Avg Busy Season Busy Hour Orig +Term CCS Per Line:
30 Avg Busy Season Busy Hour Orig +Term Calls Per Line:
31 DS-30As per Line Control Module: N/A

1 REMOTES

2 APPK - Plymouth-Sorrento

	A	B	C
3	Equipped with:	Lines	
4	Remote Type:	OPM	
5	General/Umbilical:		
6	High Day/Avg Busy Season CCS Ratio:		1.2
7	No. of Umbilical T1 Links:		[redacted]
8	Total Umbilical CCS:		
9	Net % Intra-Remote:		
10	Hosting Controller Type for Umbilical Links:		Line Group Controller
11	Lines:		
12	Number of Lines:		[redacted]
13	Admin. Fill Factor (%):		
14	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
15	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
16	DS-30As per Line Control Module:		N/A

17 APPK - Ponkan Pines

	A	B	C
18	Equipped with:	Lines	
19	Remote Type:	OPM	
20	General/Umbilical:		
21	High Day/Avg Busy Season CCS Ratio:		1.2
22	No. of Umbilical T1 Links:		[redacted]
23	Total Umbilical CCS:		
24	Net % Intra-Remote:		
25	Hosting Controller Type for Umbilical Links:		Line Group Controller
26	Lines:		
27	Number of Lines:		[redacted]
28	Admin. Fill Factor (%):		
29	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
30	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
31	DS-30As per Line Control Module:		N/A

	A	B	C
1	**REMOTES**		
2	APPK - Rock Springs		
3	Equipped with:	Lines	
4	Remote Type:	RSC Single RCC	
5	General/Umbilical:		
6	High Day/Avg Busy Season CCS Ratio:		1.2
7	No. of Umbilical T1 Links:		[redacted]
8	Total Umbilical CCS:		
9	Net % Intra-Remote:		
10	Hosting Controller Type for Umbilical Links:		Line Group Controller
11	Lines:		
12	Number of Lines:		[redacted]
13	Admin. Fill Factor (%):		
14	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
15	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
16	DS-30As per Line Control Module:		
17	APPK - Reams Road		
18	Equipped with:	Lines	
19	Remote Type:	OPM	
20	General/Umbilical:		
21	High Day/Avg Busy Season CCS Ratio:		1.2
22	No. of Umbilical T1 Links:		[redacted]
23	Total Umbilical CCS:		
24	Net % Intra-Remote:		
25	Hosting Controller Type for Umbilical Links:		Line Group Controller
26	Lines:		
27	Number of Lines:		[redacted]
28	Admin. Fill Factor (%):		
29	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
30	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
31	DS-30As per Line Control Module:		N/A

1 REMOTES

2 APPK - Sheeler Road #1

	A	B	C
3	Equipped with:	Lines	
4	Remote Type:	OPM	
5	General/Umbilical:		
6	High Day/Avg Busy Season CCS Ratio:		1.2
7	No. of Umbilical T1 Links:		[redacted]
8	Total Umbilical CCS:		
9	Net % Intra-Remote:		
10	Hosting Controller Type for Umbilical Links:		Line Group Controller
11	Lines:		
12	Number of Lines:		[redacted]
13	Admin. Fill Factor (%):		
14	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
15	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
16	DS-30As per Line Control Module:		N/A
17	APPK - Sheeler Road #2		
18	Equipped with:	Lines	
19	Remote Type:	OPM	
20	General/Umbilical:		
21	High Day/Avg Busy Season CCS Ratio:		1.2
22	No. of Umbilical T1 Links:		[redacted]
23	Total Umbilical CCS:		
24	Net % Intra-Remote:		
25	Hosting Controller Type for Umbilical Links:		Line Group Controller
26	Lines:		
27	Number of Lines:		[redacted]
28	Admin. Fill Factor (%):		
29	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
30	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
31	DS-30As per Line Control Module:		N/A

REMOTES

APPK - Shopke Road

A	B	C
Equipped with:	Lines	
Remote Type:	RSC Single RCC	
General/Umbilical:		
High Day/Avg Busy Season CCS Ratio:		1.2
No. of Umbilical T1 Links:		[redacted]
Total Umbilical CCS:		
Net % Intra-Remote:		
Hosting Controller Type for Umbilical Links:		Line Group Controller
Lines:		
Number of Lines:		[redacted]
Admin. Fill Factor (%):		
Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
DS-30As per Line Control Module:		

APPK - Sunset

Equipped with:	Lines	
Remote Type:	OPM	
General/Umbilical:		
High Day/Avg Busy Season CCS Ratio:		1.2
No. of Umbilical T1 Links:		[redacted]
Total Umbilical CCS:		
Net % Intra-Remote:		
Hosting Controller Type for Umbilical Links:		Line Group Controller
Lines:		
Number of Lines:		[redacted]
Admin. Fill Factor (%):		
Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
DS-30As per Line Control Module:		N/A

	A	B	C
1	REMOTES		
2	APPK - Tropic Isle		
3	Equipped with:	Lines	
4	Remote Type:	OPM	
5	General/Umbilical:		
6	High Day/Avg Busy Season CCS Ratio:		1.2
7	No. of Umbilical T1 Links:		[redacted]
8	Total Umbilical CCS:		
9	Net % Intra-Remote:		
10	Hosting Controller Type for Umbilical Links:		Line Group Controller
11	Lines:		
12	Number of Lines:		[redacted]
13	Admin. Fill Factor (%):		
14	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
15	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
16	DS-30As per Line Control Module:		N/A
17	APPK - Windermere		
18	Equipped with:	Lines	
19	Remote Type:	RSC Single RCC	
20	General/Umbilical:		
21	High Day/Avg Busy Season CCS Ratio:		1.2
22	No. of Umbilical T1 Links:		[redacted]
23	Total Umbilical CCS:		
24	Net % Intra-Remote:		
25	Hosting Controller Type for Umbilical Links:		Line Group Controller
26	Lines:		
27	Number of Lines:		[redacted]
28	Admin. Fill Factor (%):		
29	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
30	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
31	DS-30As per Line Control Module:		

	A	B	C
1	**REMOTES**		
2	APPK - Yogi Bear #1		
3	Equipped with:	Lines	
4	Remote Type:	OPM	
5	**General/Umbilical:**		
6	High Day/Avg Busy Season CCS Ratio:		1.2
7	No. of Umbilical T1 Links:		[redacted]
8	Total Umbilical CCS:		
9	Net % Intra-Remote:		
10	Hosting Controller Type for Umbilical Links:		Line Group Controller
11	**Lines:**		
12	Number of Lines:		[redacted]
13	Admin. Fill Factor (%):		
14	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
15	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
16	DS-30As per Line Control Module:		N/A
17	APPK - Yogi Bear #2		
18	Equipped with:	Lines	
19	Remote Type:	OPM	
20	**General/Umbilical:**		
21	High Day/Avg Busy Season CCS Ratio:		1.2
22	No. of Umbilical T1 Links:		[redacted]
23	Total Umbilical CCS:		
24	Net % Intra-Remote:		
25	Hosting Controller Type for Umbilical Links:		Line Group Controller
26	**Lines:**		
27	Number of Lines:		[redacted]
28	Admin. Fill Factor (%):		
29	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
30	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
31	DS-30As per Line Control Module:		N/A

CONFIDENTIAL

1 REMOTES

2 APPK - Zellwood

	A	B	C
3	Equipped with:	Lines	
4	Remote Type:	RSC Single RCC	
5	**General/Umbilical:**		
6	High Day/Avg Busy Season CCS Ratio:		1.2
7	No. of Umbilical T1 Links:		[redacted]
8	Total Umbilical CCS:		[redacted]
9	Net % Intra-Remote:		
10	Hosting Controller Type for Umbilical Links:		Line Group Controller
11	**Lines:**		
12	Number of Lines:		[redacted]
13	Admin. Fill Factor (%):		
14	Avg Busy Season Busy Hour Orig +Term CCS Per Line:		
15	Avg Busy Season Busy Hour Orig +Term Calls Per Line:		
16	DS-30As per Line Control Module:		

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The following page represents the Switching Cost Information System (SCIS) Model Office investment results for the Access Tandem. A composite study of three representative access tandem offices were used to develop these investment results.

CONFIDENTIAL

SPRINT/UNITED TELEPHONE-FLORIDA/S-CF
SWITCHING COST INFORMATION SYSTEM
DMS-100F GRAND WEIGHTED INVESTMENT REPORT

Study: TANDEM- TANDEM (WNPK, FTMY, OCAL)

June 17, 1996
Version 2.1

Economic Option: Average
Total Offices: 3
Total Remotes: 0

Generic: BCS 36 - STANDARD
Effective Date: 01/01/1994

Forward Looking Cost of Money: 10.50
Processor Utilization Factor: 0.5683

	E, F & I Unit Investment
Getting Started Inv. Per MS:	[redacted]
Line Termination Inv.	
Minimum Inv. Per Line:	NA
A. Working Line Investment:	NA
C. Excess CCS Capacity Investment:	NA
Inv. Per Line CCS (O+T):	NA
Inv. Per Call Type	
Inv. Per Incoming Call:	NA
Inv. Per Incoming Tandem Call:	[redacted]
Inv. Per Trunk CCS (O+I):	NA
Inv. Per Tandem Trunk CCS (O+I):	[redacted]
Inv. Per SS7 Octet:	[redacted]
Umbilical Trunk Inv. Per CCS (O+I):	NA

3137 074

The following pages are the inputs for the access tandem, provided by the engineers, which are required for the Switching Cost Information System (SCIS). These inputs are used to develop the investment results.

CONFIDENTIAL

1 SPRINT
2 SCIS/MO
3 ACCESS TANDEM INPUTS

	A	B	C
4	FORT MYERS		
5	Type:	DMS200 Tandem	
6	Equipped With:	Trunks, SS7, LPP	
7	Network Type:	Double Shelf Network Equip.	
8	Yr of Switch Cutover:	1988	
9	Peak to Avg Busy Hour Factor:	1.30	
10	Upgrd CPU bef Sw Replacemt	Yes	
11	Upgrd Sequence Type:	Supernode (SN)	
12	Initial Processor Configuration:		Supernode 20
13	Switch Economic Life:		15
14	Upgrade within 5 years:		NO
15	Processor Utilization in Fifth Yr:		55
16	% Util At End of Economic Life:		70

17		Year	% Util	RTU$ Mat
18	SN20:	1988	35	[redacted]
19	SN30:	1993	55	
20	SN 60:	1996	35	

21	LPP Type:	Full
22	Slots Used:	36

23	No. Trunks:	[redacted]
24	Adm. Fill Factor:	
25	Avg Busy Season Busy Hour Outg+Inc CCS/Trk:	
26	Avg Busy Season Busy Hour Outg+Inc Calls/Trk:	
27	% of Tnd Dig Trks that are DSO Clear Channel Capability:	100
28	% of O+I Calls Using Inband Signaling:	0
29	SS7 Installation:	1990
30	Economic Life, in Years, of SS7 Equip:	15
31	SS7 Equipment Type:	LPP
32	Input Mode:	LINK
33	Initial Installation:	1990
34	Link Pairs Added:	2
35	Percent Utilized:	[redacted]
36	Percent Utilized End of Economic Life:	70

SPRINT
SCIS/MO
ACCESS TANDEM INPUTS

A	B	C
WINTER PARK		

Type:	DMS200 Tandem
Equipped With:	Trunks, SS7, LPP
Network Type:	Double Shelf Network Equip.
Yr of Switch Cutover:	1988
Peak to Avg BH Factor:	1.30
Upgrd CPU bef Sw Repl:	Yes
Upgrd Sequence Type:	Supernode (SN)

Initial Processor Configuration:	Supernode 20
Switch Economic Life:	15
Upgrade within 5 years:	NO
Processor Utilization in Fifth Yr:	55
% Util At End of Economic Life:	70

	Year	% Util	RTU$ Mat
SN20:	1988	35	[redacted]
SN 60:	1995	55	

LPP Type:	Full
Slots Used:	36

No. Trunks:	[redacted]
Adm. Fill Factor:	
Avg Busy Season Busy Hour Outg+Inc CCS/Trk:	
Avg Busy Season Busy Hour Outg+Inc Calls/Trk:	
% of Tnd Dig Trks that are DSO Clear Channel Capability:	100
% of O+I Calls Using Inband Signaling:	0

SS7 Installation:	1990
Economic Life, in Years, of SS7 Equip:	15
SS7 Equipment Type:	LPP
Input Mode:	LINK
Initial Installation:	1990
Link Pairs Added:	2
Percent Utilized:	[redacted]
Percent Utilized End of Economic Life:	70

1 SPRINT
2 SCIS/MO
3 ACCESS TANDEM INPUTS

	A	B	C
4	OCALA		
5	Type:	DMS200 Tandem	
6	Equipped With:	Trunks, SS7, LPP	
7	Network Type:	Double Shelf Network Equip.	
8	Yr of Switch Cutover:	1988	
9	Peak to Avg BH Factor:	1.30	
10	Upgrd CPU bef Sw Repl	Yes	
11	Upgrd Sequence Type:	Supernode (SN)	
12	Initial Processor Configuration:		Supernode 20
13	Switch Economic Life:		15
14	Upgrade within 5 years:		NO
15	Processor Utilization in Fifth Yr:		55
16	% Util At End of Economic Life:		70

		Year	% Util	RTUS Mat
17		Year	% Util	RTUS Mat
18	SN20:	1988	35	[redacted]
19				
20	SN 60:	1996	55	

21 LPP Type: Full
22 Slots Used: 36

23	No. Trunks:	[redacted]
24	Adm. Fill Factor:	
25	Avg Busy Season Busy Hour Outg+Inc CCS/Trk:	
26	Avg Busy Season Busy Hour Outg+Inc Calls/Trk:	
27	% of Tnd Dig Trks that are DSO Clear Channel Capability	100
28	% of O+I Calls Using Inband Signaling:	0
29	SS7 Installation:	1990
30	Economic Life, in Years, of SS7 Equip:	15
31	SS7 Equipment Type:	LPP
32	Input Mode:	LINK
33	Initial Installation:	1990
34	Link Pairs Added:	1
35	Percent Utilized:	[redacted]
36	Percent Utilized End of Economic Life:	70

The following pages are the outputs for the Common Channel Signaling Cost Information System (CCSCIS). This is a Bellcore model and is provided by the Corporate office.

COMMON CHANNEL SIGNALING COST INFORMATION SYSTEM - version 3.9
AGGREGATE

Study Id: FLTSA
Description: FL CB Avg

Mon Jul 15, 1996 15:24:41

AGGREGATION MODEL

About Study
User Name : Randy G. Farrar
Study Description: FL CB Avg
Study Identifier : FLTSA

Study Date : 12/06/1993
Valid For : 3/88 - PRES

Assumptions
Aggregate Unit Investments for: Trunk Signaling

Aggregate [Average] Unit Investments

Is the Service in the Study Area provided using -
A Regional STP? : No
Local STPs? : Yes

For Data Base Queries Routed Through the Local and Regional STPs,
GTTs are Performed in [Not Applicable]

Are Local STPs Linked Directly to SPOIs? : Yes

COMMON CHANNEL SIGNALING COST INFORMATION SYSTEM - version 3.9
AGGREGATE

Study Id: FLTSA Mon Jul 15, 1996 15:29:16
Description: FL CB Avg

Local STP Data

	1	2	3	4
Local STP Type	NTI	NTI	OTHER	OTHER
Local STP Name	Florida	Florida	LSTP 3	LSTP 4
A Links Study	FL-A	FL-A	Usr Inpt	Usr Inpt
D Links Study	NA	NA	NA	NA
SPOI/SCP Lk Sty	Usr Inpt	Usr Inpt	Usr Inpt	Usr Inpt
Ann Chg Factor	0.2520	0.2520	0.0000	0.0000
Inv per Octet				
A Links	[redacted]	[redacted]	0.000000	0.000000
D Links	0.000000	0.000000	0.000000	0.000000
SPOI/SCP Lnks	0.000000	0.000000	0.000000	0.000000
Avg Octets/Sec				
A Links	[redacted]	[redacted]	0	0
D Links	0	0	0	0
SPOI/SCP Lnks	0	0	0	0
Inv per GTT	0	0	0	0
Avg GTTs/Sec	1	1	0	0
Inv per MTP-GWY	0	0	0	0
Avg GWYs/Sec	0	0	0	0

	5	6	7	8
Local STP Type	OTHER	OTHER	OTHER	OTHER
Local STP Name	LSTP 5	LSTP 6	LSTP 7	LSTP 8
A Links Study	Usr Inpt	Usr Inpt	Usr Inpt	Usr Inpt
D Links Study	NA	NA	NA	NA
SPOI/SCP Lk Sty	Usr Inpt	Usr Inpt	Usr Inpt	Usr Inpt
Ann Chg Factor	0.0000	0.0000	0.0000	0.0000
Inv per Octet				
A Links	0.000000	0.000000	0.000000	0.000000
D Links	0.000000	0.000000	0.000000	0.000000
SPOI/SCP Lnks	0.000000	0.000000	0.000000	0.000000
Avg Octets/Sec				
A Links	0	0	0	0
D Links	0	0	0	0
SPOI/SCP Lnks	0	0	0	0
Inv per GTT	0	0	0	0
Avg GTTs/Sec	0	0	0	0
Inv per MTP-GWY	.0	0	0	0
Avg GWYs/Sec	0	0	0	0

COMMON CHANNEL SIGNALING COST INFORMATION SYSTEM - version 3.9
AGGREGATE

Study Id: FLTSA
Description: FL CB Avg

Mon Jul 15, 1996 15:30:16

Data For Averaging Local STP Costs

Use Data [Calculated by the Model]

	STP Name	Percentage of Octets on A Links	D Links	SPOI/SCP Links	Percent of GTTs	Percent of GWYs
1	Florida	50.000	0.000	0.000	50.000	0.000
2	Florida	50.000	0.000	0.000	50.000	0.000
3	LSTP 3	0.000	0.000	0.000	0.000	0.000
4	LSTP 4	0.000	0.000	0.000	0.000	0.000
5	LSTP 5	0.000	0.000	0.000	0.000	0.000
6	LSTP 6	0.000	0.000	0.000	0.000	0.000
7	LSTP 7	0.000	0.000	0.000	0.000	0.000
8	LSTP 8	0.000	0.000	0.000	0.000	0.000
9	LSTP 9	0.000	0.000	0.000	0.000	0.000
10	LSTP10	0.000	0.000	0.000	0.000	0.000
11	LSTP11	0.000	0.000	0.000	0.000	0.000
12	LSTP12	0.000	0.000	0.000	0.000	0.000
13	LSTP13	0.000	0.000	0.000	0.000	0.000
14	LSTP14	0.000	0.000	0.000	0.000	0.000
15	LSTP15	0.000	0.000	0.000	0.000	0.000
16	LSTP16	0.000	0.000	0.000	0.000	0.000
17	LSTP17	0.000	0.000	0.000	0.000	0.000
18	LSTP18	0.000	0.000	0.000	0.000	0.000
19	LSTP19	0.000	0.000	0.000	0.000	0.000
20	LSTP20	0.000	0.000	0.000	0.000	0.000
21	LSTP21	0.000	0.000	0.000	0.000	0.000
22	LSTP22	0.000	0.000	0.000	0.000	0.000
23	LSTP23	0.000	0.000	0.000	0.000	0.000
24	LSTP24	0.000	0.000	0.000	0.000	0.000
26	LSTP26	0.000	0.000	0.000	0.000	0.000
27	LSTP27	0.000	0.000	0.000	0.000	0.000
28	LSTP28	0.000	0.000	0.000	0.000	0.000
	TOTAL	100.00	0.00	0.00	100.00	0.00

CONFIDENTIAL

1 COMMON CHANNEL SIGNALING COST INFORMATION SYSTEM - version 3.9
2 AGGREGATE

3 Study Id: FLTSA Mon Jul 15, 1996 15:31:18
4 Description: FL CB Avg

5 Link Data - 1

A B

6 Link Input Data Source : From Study
7 Link Study Identifier : LTD-CB

8 Fraction of A Links from SSPs Connected to the Local STP : 0.8178

9 Average Cost per Octet for Links Used for -

10 Circuit-Based Services [redacted]
11 IN/1 Data Base Services
12 End Office or Tandem to STP
13 Access Tandem or End Office to SPOI

14 Average Cost per Query for Links to IN/1 SCPs for -

15 800 Data Base Service : 0
16 Alternate Billing Service : 0
17 Private Packet Switched Network Service : 0

CONFIDENTIAL

1 COMMON CHANNEL SIGNALING COST INFORMATION SYSTEM - version 3.9
2 AGGREGATE

3 Study Id: FLTSA Mon Jul 15, 1996 15:31:57
4 Description: FL CB Avg

5 Link Data - 2

6 Link Input Data Source: From Study
7 Link Study Identifier : LTD-CB
8 $ PER OCTET ON LINKS USED FOR TRUNK SIGNALING SERVICES

9	A	B	C	D	E	F
		EO/Tdm	EO/AT		EO/Tdm	EO/AT
10	LINE HAUL ACCOUNTS	- STP	-SPOI	CIRCUIT ACCOUNTS	- STP	-SPOI
11	Analog Facilities	0	0	Analog Facilities	0	0
12	Radio Facilities	0	0	Radio Facilies	0	0
13	Digital Facilities	0	0	Digital Facilities	0	0
14	OSP,Poles	0	0	Other, T1	0	0
15	OSP,Aerial Cable	0	0	Other, T2	0	0
16	OSP,Und. Cable	0	0			
17	OSP,Buried Cable	0	0	Switching Account	0	0
18	OSP,Sub. Cable	0	0			
19	OSP,Aerial Wire	0	0	Lease Expense	[redacted]	
20	OSP,Conduit	0	0			
21	Land	0	0			
22	Buildings	0	0	Total $ per Octet	0	0
23	Other, M1	0	0			
24	Other, M2	0	0			

CONFIDENTIAL

1 COMMON CHANNEL SIGNALING COST INFORMATION SYSTEM - version 3.9
2 AGGREGATE

3 Study Id: FLTSA Mon Jul 15, 1996 15:33:07
4 Description: FL CB Avg

5 Unit Costs for Trunk Signaling Messages

	A	B	C	D
6	Equipment	$ per Octet	$ per GTT	$ per GWY
7	EO/TDM-STP			
8	Regional STP	0.000000	0.0000	--
9	Local STP	[redacted]	0.0000	--
10	Links	[redacted]	--	--
11	Total	[redacted]	0.0000	
12	EO/AT-SPOI Outgoing Msgs			
13	Regional STP	0.000000	0.0000	--
14	Local STP	[redacted]	0.0000	--
15	Links	[redacted]	--	--
16	Total	[redacted]	0.0000	
17	EO/AT-SPOI Incoming Msgs			
18	Regional STP	0.000000	0.0000	0.0000
19	Local STP	[redacted]	0.0000	0.0000
20	Links	[redacted]	--	--
21	Total	[redacted]	0.0000	

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1 COMMON CHANNEL SIGNALING COST INFORMATION SYSTEM - version 3.9
2 AGGREGATE

3 Study Id: FLTSA Mon Jul 15, 1996 15:33:44
4 Description: FL CB Avg

5 Unit Investments for Trunk Signaling Messages

		$ per OCTET	
6			
7	A	EO/Tdm-STP B	EO/AT-SPOI C
8	Regional STP	0.000000	0.000000
9	Local STP	[redacted]	
10	LINE HAUL ACCT		
11	Analog Facil	0.000000	0.000000
12	Radio Facil	0.000000	0.000000
13	Digital Facil	0.000000	0.000000
14	OSP,Poles	0.000000	0.000000
15	OSP,Aerial Cable	0.000000	0.000000
16	OSP,Und. Cable	0.000000	0.000000
17	OSP,Buried Cable	0.000000	0.000000
18	OSP,Sub. Cable	0.000000	0.000000
19	OSP,Aerial Wire	0.000000	0.000000
20	OSP,Conduit	0.000000	0.000000
21	Land	0.000000	0.000000
22	Buildings	0.000000	0.000000
23	Other, M1	0.000000	0.000000
24	Other, M2	0.000000	0.000000

D	$ per OCTET EO/Tdm-STP E	EO/AT-SPOI F
CIRCUIT ACCOUNTS		
Analog Facil	0.000000	0.000000
Radio Facil	0.000000	0.000000
Digital Facil	0.000000	0.000000
Other, T1	0.000000	0.000000
Other, T2	0.000000	0.000000
Switching Acct	0.000000	0.000000
Lease Expense	[redacted]	
	$ per GTT	
RSTP, Outgoing	0.0000	0.0000
RSTP, Incoming	0.0000	0.0000
LSTP, Outgoing	0.0000	0.0000
LSTP, Incoming	0.0000	0.0000
		$ per MTP-GWY
RSTP, Incoming		0.0000
LSTP, Incoming		0.0000

The following pages are the investments used to develop the transport cost. These costs were developed as part of the Local Transport Restructure (LTR) tariff support.

LOCAL TRANSPORT RESTRUCTURE FOR SWITCHED ACCESS (E6)

1995 INTRASTATE FILINGS

	Average Incremental Monthly Rec/Cost	Nonrecurring Cost
1. Switched Transport (EO-IXC POP)		
a. Entrance Facility (SWC-IXC POP)		
(1.) Voice Grade		
(a.) 2-Wire	n/a	[redacted]
(b.) 4-Wire	[redacted]	[redacted]
(2.) DS-1	[redacted]	[redacted]
(3.) DS-3	[redacted]	[redacted]
b. Direct-Trunked Transport (EO-SWC) Dedicated Trunk Groups		
(1.) Fixed		
(a.) Voice Grade	[redacted]	[redacted]
(b.) DS1	[redacted]	[redacted]
(c.) DS3 (+ Plus Mux)	[redacted]	[redacted]
(2.) Per Air-Mile		
(a.) Voice Grade	[redacted]	n/a
(b.) DS1	[redacted]	n/a
(c.) DS3	[redacted]	n/a
c. Tandem-Switched Transport (EO-AT-SWC) Common Trunk Groups		
(1.) Tandem Switched Transmission (to calculate per minute rates)		
(a.) Fixed Termination.	See b.1. above	[redacted]
(b.) per Mile Facility.	See b.2. above	n/a
d. Multiplexing		
(1.) DS1 to Voice Grade (SWC/EO/AT) - (24 channels)	[redacted]	[redacted]
(2.) DS3 to DS1 (SWC/EO/AT) - (28 DS-1's).	[redacted]	[redacted]

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FORM 6A-1

RATE CATEGORY: SWITCHED TRANSPORT

RUN: LONG RUN AVERAGE INCREMENTAL COST

TARIFF SECTION - SWITCHED ACCESS (E6)

SUB SECTION - DIRECT-TRUNKED TRANSPORT - FIXED/DS-3

ITEM #	(A) PLANT ITEM DESCRIPTION	(B) USOA CODE	UNIT INVESTMENTS (C) CHAN.TERM. EQPT.	(D) LINE HAUL EQPT.	INVESTMENT FOR CIRCUIT QUANTITY EXCLUDING UTILIZATION (E) CHAN.TERM. EQPT.	(F) LINE HAUL EQPT.	(G) FILL FACTOR	INVESTMENT FOR CIRCUIT QUANTITY INCLUDING UTILIZATION (H) CHAN.TERM. EQPT.	(I) LINE HAUL EQPT.
1									
2									
3									
4	Direct-Trunked Transport								
5									
6	ITS-2400 OC-48 FOT BLSR	2232.3	[redacted]		[redacted]		0.75	[redacted]	
7	DSX 3/4 Cross Connect Panel	2232.2	[redacted]		[redacted]		0.75	[redacted]	
8									
9									
10									
11									
12									
13									
14									
15									

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* Investments from Form 6C - 10

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RATE CATEGORY: SWITCHED TRANSPORT

RUN: LONG RUN AVERAGE INCREMENTAL COST

FORM 68-2

TARIFF SECTION - SWITCHED ACCESS (E6)

SUB SECTION - DIRECT-TRUNKED TRANSPORT - FIXED/DS-3

ITEM #	(A) PLANT ITEM	(B) USOA CODE	TOTAL INVESTMENTS (C) CHAN.TERM. EQPT.	(D) LINE HAUL EQPT.	(E) ANNUAL COST FACTOR	TOTAL ANNUAL COST (F) CHAN.TERM. EQPT.	(G) LINE HAUL EQPT.	TOTAL MONTHLY COST (H) CHAN.TERM. EQPT.	(I) LINE HAUL EQPT.	(J) ROUTE TO AIR RATIO	(K) AIRLINE MILEAGE COST PER MILE
1											
2											
3											
4	Direct-Trunked Transport										
5											
6	ITS-2400 OC-48 for BLSR	2232.3	[redacted]		0.245553	[redacted]		[redacted]			
7	DSX 3/4 Cross Connect Panel	2232.2			0.224128						
8											
9											
10											
11											
12											
13											
14											
15											
16	TOTAL		[redacted]			[redacted]		[redacted]			

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ITEM #	(A) PLANT ITEM DESCRIPTION	(B) USOA CODE	UNIT INVESTMENTS (C) CHAN.TERM. EQPT.	(D) LINE HAUL EQPT.	INVESTMENT FOR CIRCUIT QUANTITY EXCLUDING UTILIZATION (E) CHAN.TERM. EQPT.	(F) LINE HAUL EQPT.	(G) FILL FACTOR	INVESTMENT FOR CIRCUIT QUANTITY INCLUDING UTILIZATION (H) CHAN.TERM. EQPT.	(I) LINE HAUL EQPT.
	Direct-Trunked Transport								
1	TTS-2400 OC-48 FOT BLSR	2232.3	[redacted]		[redacted]			[redacted]	
2	DSX 3/4 Cross Connect Panel	2232.2					0.70		
3	M13 MULTIPLEXER	2232.2					0.70		
4	DSX1 DIGITAL CROSS CONNECT PANEL	2232.2					0.70		
5							0.70		
6									
7									
8									
9									
10									
11									
12									

* Investment is derived by taking DS-3 investment from Column H of Form 6A - 1 and dividing by 28.

@ Investment is derived by taking DS-3 investment from Column H, Form 6A - 1, dividing by 28 and then multiplying by 2.

Investments are derived by taking the DS-3 investments from Form 6C - 10, dividing by 70% fill factor, dividing by 28 DS1s per DS3, and then multiplying by 2.

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TARIFF SECTION - PRIVATE LINE

RATE CATEGORY: DS-1 TRANSPORT

FORM 60 -4

SUB SECTION - INTEROFFICE CHANNEL - TRANSLINK - FIXED
DS-1 Services

RUN: LONG RUN AVERAGE INCREMENTAL COST

ITEM #	(A) PLANT ITEM	(B) USOA CODE	TOTAL INVESTMENTS (C) CHAN.TERM. EQPT.	(D) LINE HAUL EQPT.	(E) ANNUAL COST FACTOR	TOTAL ANNUAL COST (F) CHAN.TERM. EQPT.	(G) LINE HAUL EQPT.	TOTAL MONTHLY COST (H) CHAN.TERM. EQPT.	(I) LINE HAUL EQPT.	(J) ROUTE TO AIR RATIO	(K) AIRLINE MILEAGE COST PER MILE
	Direct-Trunked Transport										
1	TTS-2400 OC-48 TOT BLSR	2232.3	[redacted]		0.265553	[redacted]		[redacted]			
2	DSX 3/4 Cross Connect Panel	2232.2			0.224128						
3	M13 MULTIPLEXER	2232.2			0.224128						
4	DSX1 DIGITAL CROSS CONNECT PANEL	2232.2			0.224128						
5											
6											
7											
8											
9											
10											
11											
12											
13	TOTAL		[redacted]			[redacted]		[redacted] - DS-1 Fixed Cost			

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TARIFF SECTION - SWITCHED ACCESS (E6)

SUB SECTION - DIRECT-TRUNKED TRANSPORT - PER MILE/DS-3

RATE CATEGORY: SWITCHED TRANSPORT

RUN: LONG RUN AVERAGE INCREMENTAL COST

FORM 6A - 5

ITEM #	(A) PLANT ITEM DESCRIPTION	(B) USOA CODE	UNIT INVESTMENTS (C) CHAN.TERM. EQPT.	(D) LINE HAUL EQPT.	INVESTMENT FOR CIRCUIT QUANTITY EXCLUDING UTILIZATION (E) CHAN.TERM. EQPT.	(F) LINE HAUL EQPT.	(G) FILL FACTOR	INVESTMENT FOR CIRCUIT QUANTITY INCLUDING UTILIZATION (H) CHAN.TERM. EQPT.	(I) LINE HAUL EQPT.
1	Intermediate Office Equipment/per mile								
2	LST1U	2422.2		[redacted]	(Form 6C-9)	[redacted]	0.85		[redacted]
3	ITS-2400 OC-48 FOT	2232.3			" "		0.75		
4									
5									
6									
7									
8	Direct-Trunked Transport per mile:								
9									
10	UNDERGROUND FIBER	2422.2		[redacted]	(Form 6B-23)	[redacted]	0.85		[redacted]
11	Conduit/Innerduct	2441.1			" "		0.85		
12	BURIED FIBER	2423.2			" "		0.85		
13	Subduct/buried	2441.1			" "		0.85		
14									
15									

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* Divide these investments by 20 and carry over to Form 6A - 7, Column D.

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TARIFF SECTION - SWITCHED ACCESS (E6)

SUB SECTION - DIRECT-TRUNKED TRANSPORT - PER MILE/DS-3

SPRINT/UNITED TELEPHONE/CENTEL-FLORIDA

RATE CATEGORY: SWITCHED TRANSPORT

RUN: LONG RUN AVERAGE INCREMENTAL COST

FORM 6B-6

ITEM #	(A) PLANT ITEM	(B) USOA CODE	TOTAL INVESTMENTS (C) CHAN.TERM. EQPT.	TOTAL INVESTMENTS (D) LINE HAUL EQUIP.	(E) ANNUAL COST FACTOR	TOTAL ANNUAL COST (F) CHAN.TERM. EQPT.	TOTAL ANNUAL COST (G) LINE HAUL EQUIP.	TOTAL MONTHLY COST (H) CHAN.TERM. EQPT.	TOTAL MONTHLY COST (I) LINE HAUL EQUIP.	(J) ROUTE TO AIR RATIO	(K) AIRLINE MILEAGE COST PER MILE
1	Intermediate Office Equipment/per mile										
2	LSTIU	2422.2		[redacted]	0.193152		[redacted]		[redacted]	1.94	[redacted]
3	ITS-2400 OC-48 FOT	2232.3			0.265553					1.94	
4											
5											
6											
7											
8	Direct-Trunked Transport per mile:										
9											
10	UNDERGROUND FIBER	2422.2		[redacted]	0.193152		[redacted]		[redacted]	1.94	[redacted]
11	Conduit/innerduct	2441.1			0.180657					1.94	
12	BURIED FIBER	2423.2			0.188208					1.94	
13	Subduct/buried	2441.1			0.180657					1.94	
14											
15											
16	TOTAL			[redacted]			[redacted]		[redacted]		[redacted]

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TARIFF SECTION - SWITCHED ACCESS (E6)

SUB SECTION - DIRECT-TRUNKED TRANSPORT - PER MILE/DS-1

SPRINT/UNITED TELEPHONE/CENTEL-FLORIDA

RATE CATEGORY: SWITCHED TRANSPORT

RUN: LONG RUN AVERAGE INCREMENTAL COST

FORM 6A - 7

			UNIT INVESTMENTS		INVESTMENT FOR CIRCUIT QUANTITY EXCLUDING UTILIZATION			INVESTMENT FOR CIRCUIT QUANTITY INCLUDING UTILIZATION	
ITEM #	(A) PLANT ITEM DESCRIPTION	(B) USOA CODE	(C) CHAN.TERM. EQPT.	(D) LINE HAUL EQPT.	(E) CHAN.TERM. EQPT.	(F) LINE HAUL EQPT.	(G) FILL FACTOR	(H) CHAN.TERM. EQPT.	(I) LINE HAUL EQPT.
1	Intermediate Office Equipment/per mile								
2	LSTIU	2422.2		[redacted] *		[redacted]	0.85		[redacted]
3	ITS-2400 OC-48 FOT	2232.3		*			0.70		
4									
5									
6									
7									
8	Direct-Trunked Transport per mile:								
9									
10	UNDERGROUND FIBER	2422.2		[redacted]		[redacted]	0.85		[redacted]
11	Conduit/innerduct	2441.1					0.85		
12	BURIED FIBER	2423.2					0.85		
13	Subduct/buried	2441.1					0.85		
14									
15									

* Investments derived by taking the investments from Column I, Form 6A-5 and dividing each by 28.

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TARIFF SECTION - SWITCHED ACCESS (E6)

SUB SECTION - DIRECT-TRUNKED TRANSPORT - PER MILE/DS-1

SPRINT/UNITED TELEPHONE/CENTEL-FLORIDA

RATE CATEGORY: SWITCHED TRANSPORT

RUN: LONG RUN AVERAGE INCREMENTAL COST

FORM 6B -B

ITEM #	(A) PLANT ITEM	(B) USOA CODE	TOTAL INVESTMENTS (C) CHAN.TERM. EQPT.	TOTAL INVESTMENTS (D) LINE HAUL EQUIP.	(E) ANNUAL COST FACTOR	TOTAL ANNUAL COST (F) CHAN.TERM. EQPT.	TOTAL ANNUAL COST (G) LINE HAUL EQUIP.	TOTAL MONTHLY COST (H) CHAN.TERM. EQPT.	TOTAL MONTHLY COST (I) LINE HAUL EQUIP.	(J) ROUTE TO AIR RATIO	(K) AIRLINE MILEAGE COST PER MILE
1	Intermediate Office Equipment/per mile										
2	LSTIU	2422.2		[redacted]	0.193152		[redacted]		[redacted]	1.94	[redacted]
3	ITS-2400 OC-48 FOT	2232.3			0.265553					1.94	
4											
5											
6											
7											
8	Direct-Trunked Transport per mile:										
9											
10	UNDERGROUND FIBER	2422.2		[redacted]	0.193152		[redacted]		[redacted]	1.94	[redacted]
11	Conduit/innerduct	2441.1			0.180657					1.94	
12	BURIED FIBER	2423.2			0.180208					1.94	
13	Subduct/buried	2441.1			0.180657					1.94	
14											
15											
16	TOTAL			[redacted]			[redacted]		[redacted]		[redacted]

17 DS-1 Cost per mile is [redacted] (from Column K - total)

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LOCAL TRANSPORT RESTRUCTURE FOR SWITCHED ACCESS (E6)

1995 INTRASTATE FILINGS

Supporting Documentation and/or Back-up

Direct-trunked Transport and/or Tandem-Switched Transport

Route Sample -

Based on an universe of 172 overall routes with traffic to IXC POP destinations, a sample of 43 routes were chosen to develop the most typical Direct-Trunked Transport model carrying DS-3's, DS-1's and DS-0's to a Service Wire Center-SWC or an Access Tandem Switch.

There will be 85 nodes on 13 rings for an average of 7 rings per node and the above mentioned model produced an average direct-trunk route of four nodes with 50.2 miles to a POP location. Four was the number of nodes produced by the model for the working path, therefore, the remaining 3 nodes are required to complete the ring. Since 50.2 miles is the total fiber length for the 3 spans connecting the above 4 nodes, an average of 16.733 miles per span was determined.

Fiber Optical Terminal Types -

Per Mile - Intermediate Offices -

There will be (six) 2-fiber BLSR's (Bidirectional Line-Switched Rings) and (seven) 4-fiber BLSR's for a total of 13 rings.

On a seven nodes ring there are five intermediate nodes and two End nodes (the End-Office and the SWC or AT).

FOT/DS-3 Investment -	2f-BLSR	4f-BLSR	Average FOT
Intermediate Office	[redacted]	[redacted]	
Distribution factor	6/13	7/13	
Weight value	[redacted]	[redacted]	[redacted]

Total Intermediate Investment (5 nodes * [redacted] [redacted]

Average Direct-Trunked Transport miles = 50.2 miles Sample

Fiber Optic Terminal Investment per mile [redacted] 50.2) [redacted] DS3 investment per TS-2400 OC-48 FOT (used on Form 6A-5)

LSTIU Fiber Patch Panels (4 fibers)

Equivalent investment per DS-3 per mile

[redacted] * 7 * 2 = [redacted] / 50.2 miles = [redacted] / 48 DS-3 = [redacted] DS-3 investment for LSTIU used on Form 6A - 5

Air mile ratio derived with a sample of 117 routes = 1.94%

Fixed -

For investments containing the low-speed shelves required to Add/Drop DS3's at the originating and at the terminating offices.

FOT/DS-3 End-Office -	2f-BLSR	4f-BLSR	Average FOT
End-Office	[redacted]	[redacted]	
Distribution factor	6/13	7/13	
Weight value	[redacted]	[redacted]	[redacted]

Two sites required [redacted] * 2) = [redacted] DS3 investment - OC-48 FOT BLSR

DSX3/4 crossconnect panel (2 sites) [redacted] * 2 = [redacted] DS3 investment - DSX3/4

Originating Access between the central office (DS1) and the fiber optic terminal (DS3)

28 DSX1 crossconnect jacks panel [redacted] - DS3 investment - DSX1 dig. Xconn
1 M13 multiplexer [redacted] - DS3 investment - M13 multiplexer
1 DSX3/4 crossconnect jack panel [redacted]

All these investments are at the DS-3 level and the result of the study will be divided by 28 to determine the DS-1 level and additionally by 24 to determine the DS-0 level for transport cost.

The above M13 multiplexer and associated equipment is required for all the IXC-POP's customers to access the Direct-Trunked transport DS-3 to the IXC POP.

The same investments above divided by 28 are required for the Direct-Trunked Transport at the DS-1 level before the entrance facility to the POP.

The Voice Grade entrance facility will required 1/24 of the DS-1 to DS-0 multiplexing in order to be able to access the Direct-Trunked transport channel.

Multiplex

There are two options at the Entrance Facility for IXC-POP's that do not need to purchase an entire DS-3 access facility:

1. DS1 to Voice Grade - multiplex

This option is for a complete DS-1 output to be multiplexed into 24 voice grade channels (DS-0's) at the entrance facility.

In addition to this, the IXC-POP will need to purchase one DS-1 Direct-Trunked transport facility.

DSX1 digital crossconnect
M13 multiplexer unit (1/28)
DSX3/4 crossconnect jack (1/28)
D4-Channel Bank (mux) (1)
4-wire voice channel card (24)

[redacted]

2. DS3 to DS1 - multiplex

This option is for a complete DS-3 output multiplexed into 28 DS-1's at the entrance facility to the POP.

The equipment investment is at the DS3 level as requested. The entire multiplexer does not have to be dedicated to one POP.

DSX1 crossconnect jack panel
M13 multiplexer unit (1/28)
DSX3/4 crossconnect jack (1.28)

[redacted]

Note: The same investment divided by 28 is applied to the Direct-trunked transport DS-1 fixed element.

UNITED TELEPHONE COMPANY OF FLORIDA

NEC ITS-2400 SONET SYSTEM FOR 48 DS3'S

2 FIBER RING (2F BLSR) NODE FOT 1:1 Protect

Bidirectional Line Switched Ring

INTEROFFICE

(A)	(B) Part Number	Discounted Vendor Price	(C) Per Unit Installed Investment	(D) Units Required Per 1:1 Sys	(E) (C*D) Total System Investment	(F) Working DS-3's (24)	(G) (E/F) Total Investment Per DS-3
Power Distribution							
Power Dist. Panel - PDP	F2592A	[redacted]	[redacted]	1	[redacted]	24	[redacted]
Alarm 1 card - PDP	Y6173A			1		24	
Alarm 2 card - PDP	Y6174A			1		24	
DS-3 Terminal	Y0451B			4		24	
High Speed Shelf w/Maintenance Units							
High Speed - Shelf	F2573A	[redacted]	[redacted]	1	[redacted]	24	[redacted]
HS Cable Kit	X7535A			1		24	
HS Switch	Y6126AA			1		24	
ACLK-H	Y3279CH			1		24	
LAN1-C	Y0480DC			1		24	
Power	Y6130A			1		24	
OTR Optical Trans/Rec	Y6128FE			2		24	
CLK HS	Y6129A			2		24	
TSA	Y6127AA			2		24	
LAN2-A	Y0482BA			2		24	
CACLK-E	Y3997CH			1		24	
Order Wire	Y0488A			1		24	
Headset	Y0489A			2		24	
STLMT2	Y4823AS			1		24	
Air Filter	Z3045A			1		24	
			Subtotal				
Low Speed Shelves							
Low Speed 600H - Shelf	F2348B	[redacted]	[redacted]	1	[redacted]	24	[redacted]
Cable Kit 600	X7536A			1		24	
Power	Y0452C			2		24	
SWCL-E	Y0455CE			1		24	
CLOCK	Y0462B			2		24	
ACLK-L	Y3279CL			1		24	
LAN1-C	Y0480DC			1		24	
SW DS3 B	Y0456B			4		24	
SW150	Y0457A			4		24	
DS-3	Y0459B			16		24	

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UNITED TELEPHONE COMPANY OF FLORIDA

NEC ITS-2400 SONET SYSTEM FOR 48 DS3'S

2 FIBER RING (2F BLSR) NODE FOT 1:1 Protect

Bidirectional Line Switched Ring

INTEROFFICE
===========

(A) Spares Parts	(B) Part Number	Discounted Vendor Price	(C) Per Unit Installed Investment	(D) Units * Required Per 1:1 Sys	(E) (C*D) Total System Investment	(F) Working DS-3's (24)	(G) (E/F) Total Investment Per DS-3
Alarm 1 card - PDP	Y6173A	[redacted]	[redacted]	0.318	[redacted]	24	[redacted]
Alarm 2 card - PDP	Y6174A	[redacted]	[redacted]	0.318	[redacted]	24	[redacted]
HS Switch	Y6126AA	[redacted]	[redacted]	0.318	[redacted]	24	[redacted]
ACLH-H	Y3279CH	[redacted]	[redacted]	0.318	[redacted]	24	[redacted]
LAN1-C	Y0480DC	[redacted]	[redacted]	0.318	[redacted]	24	[redacted]
Power	Y6130A	[redacted]	[redacted]	0.318	[redacted]	24	[redacted]
OTR Optical Trans/Rec	Y6128FE	[redacted]	[redacted]	0.318	[redacted]	24	[redacted]
CLK HS	Y6129A	[redacted]	[redacted]	0.318	[redacted]	24	[redacted]
TSA	Y6127AA	[redacted]	[redacted]	0.318	[redacted]	24	[redacted]
LAN2-A	Y0482BA	[redacted]	[redacted]	0.318	[redacted]	24	[redacted]
CACLH-H	Y3997CH	[redacted]	[redacted]	0.318	[redacted]	24	[redacted]
Order Wire	Y0488A	[redacted]	[redacted]	0.318	[redacted]	24	[redacted]
STLKY2	Y4823AB	[redacted]	[redacted]	0.318	[redacted]	24	[redacted]
Power	Y0452C	[redacted]	[redacted]	0.318	[redacted]	24	[redacted]
SWCL-E	Y0455CE	[redacted]	[redacted]	0.318	[redacted]	24	[redacted]
CLOCK	Y0462B	[redacted]	[redacted]	0.318	[redacted]	24	[redacted]
ACLH-L	Y3279CL	[redacted]	[redacted]	0.318	[redacted]	24	[redacted]
LAN1-C	Y0480DC	[redacted]	[redacted]	0.318	[redacted]	24	[redacted]
SW DS3 B	Y0456B	[redacted]	[redacted]	0.318	[redacted]	24	[redacted]
SW150	Y0457A	[redacted]	[redacted]	0.318	[redacted]	24	[redacted]
DS-3	Y0459B	[redacted]	[redacted]	0.318	[redacted]	24	[redacted]
				Subtotal	[redacted]		[redacted]
			End Office Grand Total		[redacted]		[redacted] DS3
			End Office Equivalent Investment per DS1				[redacted] DS1
			End Office Equivalent Investment per DS0				[redacted] DS0

Intermediate Office Investment with Capacity for 24 DS-3's

Power Distribution	Same as above	[redacted]	24	[redacted]
High Speed Shelf with Maintenance Units	Same as above	[redacted]	24	[redacted]
Low Speed Shelf - NOT USED when Passing Through Traffic		0.00	n/a	
Spare Parts	Same as above	[redacted]	24	[redacted]
Total Intermediate Office Investment		[redacted]		[redacted] DS3
Intermediate Office Investment per DS1				[redacted] DS1
Intermediate Office Investment per DS0				[redacted] DS0

This investment is for a fully survivable and protected DS-3 using a 2 fiber Bidirectional Line Switched Ring. Ring protection only. See the 4F-BLSR for additional Span protection.

* 27 sites with spares for 85 nodes 27/85 = 0.318

SPRINT/UNITED TELEPHONE - FLORIDA

NEC ITS-2400 SONET SYSTEM FOR 48 DS3'S

4 FIBER RING (4F BLSR) NODE FOT 1:1 Protect

BLSR - Bidirectional Line Switched Ring

INTEROFFICE

(A)	(B) Part Number	Discounted Vendor Price	(C) Per Unit Installed Investment	(D) Units Required Per 1:1 Sys	(E) (C*D) Total System Investment	(F) Working DS-3's (48)	(G) (E/F) Total Investment Per DS-3
Power Distribution							
Power Dist. Panel - PDP	F2592A	[redacted]	[redacted]		[redacted]		[redacted]
Alarm 1 card - PDP	Y6173A			1		48	
Alarm 2 card - PDP	Y6174A			1		48	
DS-3 Terminal	Y0451B			1		48	
				4		48	
High Speed Shelf w/Maintenance Units							
High Speed - Shelf	F2573A	[redacted]	[redacted]	1	[redacted]	48	[redacted]
HS Cable Kit	K7535A			1		48	
HS Switch	Y6126AA			1		48	
ACLH-H	Y3279CH			1		48	
LAN1-C	Y0480DC			1		48	
Power	Y6130A			2		48	
OTR Optical Trans/Rec	Y6128FE			4		48	
CLK HS	Y6129A			2		48	
TSA	Y6127AA			2		48	
LAN2-A	Y0482BA			1		48	
CACLH-H	Y3997CH			1		48	
Order Wire	Y04B8A			2		48	
Headset	Y0489A			.1		48	
STLMY2	Y4823AB			1		48	
Air Filter	D5045A			1		48	
				Subtotal			
Low Speed Shelves							
Low Speed 600H - Shelf	F2348B	[redacted]	[redacted]	2	[redacted]	48	[redacted]
Cable Kit 600	K7536A			2		48	
Power	Y0452C			4		48	
SVCL-E	Y0455CE			2		48	
CLOCK	Y0462B			4		48	
ACLH-L	Y3279CL			2		48	
LAN1-C	Y0480DC			2		48	
SV DS3 B	Y0456B			8		48	
SV150	Y0457A			8		48	
DS-3	Y0459B			32		48	

SPRINT/UNITED TELEPHONE - FLORIDA

NEC 1TS-2400 SONET SYSTEM FOR 48 DS3'S

4 FIBER RING (4F BLSR) NODE FOT 1:1 Protect

INTEROFFICE
===========

BLSR - Bidirectional Line Switched Ring

(A) Spare Parts	(B) Part Number	Discounted Vendor Price	(C) Per Unit Installed Investment	(D) Units * Required Per 1:1 Sys	(E) (C*D) Total System Investment	(F) Working DS-3's (48)	(G) (E/F) Total Investment Per DS-3
Alarm 1 card - PDP	Y6173A	[redacted]	[redacted]	0.318	[redacted]	48	[redacted]
Alarm 2 card - PDP	Y6174A			0.318		48	
HS Switch	Y6126AA			0.318		48	
ACLK-H	Y3279CH			0.318		48	
LAN1-C	Y0480DC			0.318		48	
Power	Y6130A			0.318		48	
OTR Optical Trans/Rec	Y6128FE			0.318		48	
CLK HS	Y6129A			0.318		48	
TSA	Y6127AA			0.318		48	
LAN2-A	Y0482BA			0.318		48	
CACLK-H	Y3997CH			0.318		48	
Order Wire	Y0488A			0.318		48	
STLMYZ	Y4823AB			0.318		48	
Power	Y0452C			0.318		48	
SUCL-E	Y0455CE			0.318		48	
CLOCK	Y0462B			0.318		48	
ACLK-L	Y3279CL			0.318		48	
LAN1-C	Y0480DC			0.318		48	
SW DS3 B	Y0456B			0.318		48	
SW150	Y0457A			0.318		48	
DS-3	Y0459B			0.318		48	
				Subtotal			

End Office Grand Total [redacted] [redacted] DS3

End Office Equivalent Investment per DS1 [redacted] DS1

End Office Equivalent Investment per DS0 [redacted] DS0

Intermediate Office with Capacity for 48 DS-3's

		(E)	(F)	(G)
Power Distribution	Same as above	[redacted]	48	[redacted]
High Speed Shelf with Maintenance Units	Same as above		48	
Low Speed Shelves - NOT USED When Passing Through Traffic.		0.00	n/a	0.00
Spare Parts	Same as above	[redacted]	48	[redacted]

Total Intermediate office Investment [redacted] [redacted] DS3
Intermediate office investment per DS1 DS1
Intermediate office investment per DS0 DS0

This investment is for a fully survivable and protected DS-3 using a 4 fiber Bidirectional Line Switch Ring. Span protection and Ring protection is included in 4 fiber BLSR systems only.

* 27 sites with spares for 85 nodes 27/85 = 0.318

SPRINT/UNITED TELEPHONE - FLORIDA

ADC - DSX-3/4 Digital Crossconnect

Central Office

(A) DSX-3/4	(B) Part Number	Discounted Unit Vendor price	(C) Unit Installed Investment	(D) Unit DS-3 Capacity	(E) (C/D) Unit Investment One Port Per DS-3	(F) Units Required 2 ports Per DS-3	(G) (E*F) Average Investment 2 ports Per DS-3
Unfinished Aluminum Upr. Kit 8'	A-10638-2	[redacted]	[redacted]	144	[redacted]	2	[redacted]
Rack Assembly Kit 23"	B-10632-2			144		2	
Fuse Panel	621168-000-003			144		2	
Chassis for 24 DSX Modules	DSX-4H-W3C Slim			24		2	
DSX-3/4 Module	DSX-4H-SBRC Slim			1		2	
				Per DS-1	[redacted]	Per DS-1	[redacted]
				Per DS-0	[redacted]	Per DS-0	[redacted]

Note:

A Fiber Loop converter FLC is connected to one DSX3/4 jack
An LTS 1565 FOT is connected to one DSX3/4 jack
An M13 mux is connected to one DSX3/4 jack

Therefore, to cross-connect an FLC to an FOT or and FOT to a M13, two jacks are required.

CONFIDENTIAL Form 6D-17

1 SPRINT/UNITED TELEPHONE - FLORIDA DSX1CO

2 Telect - DSX-1 Digital Cross-Connect 24-Oct-94

3 Central Office

Line	(A)	(B)		(C)	(D)	(E) (C/D)	(F)	(G) (E*F)
4, 5, 6, 7	DSX-1	Part Number	Unit Vendor price	Unit Installed Investment	Unit DS-1 Capacity	Unit Investment Per DS-1	Units Required Per DS-1	Average Investment Per DS-1
8	Relay Rack 8', 23"	40118-15	[redacted]	[redacted]	336	[redacted]	2	[redacted]
9	Fuse & Alarm - Shelf	621168-000-003			336		2	
10	DSX-1 Rack Misc. Hardware	Miscellaneous			336		2	
11	DSX-1 Panel for 56 jacks	DSX-DR-23			56		2	
12						Total per DS-1		
13						Total per DS-0		[redacted]
14						Total per DS-3 (DS-1 * 28)		[redacted]

SPRINT/UNITED TELEPHONE - FLORIDA

ALCATEL DS-1 CENTRAL OFFICE REPEATER (CORPTR)

13-Dec-94

CENTRAL OFFICE

(A) Equipment type	(B) Part Number	Discounted Vendor Price	(C) Unit Installed Investment	(D) Unit DS-1 Capacity	(E) (C/D) Unit Investment Per DS-1	(F) Units Required Per DS-1	(G) (E*F) Total Investment Per DS-1
Unfinished Aluminum Upright	A-10639-2	[redacted]	[redacted]	120	[redacted]	1	[redacted]
Assembly Kit for 23" Upright	B-10632-2			120		1	
Fuse Panel	621168-000-003			120		1	
CORPTR Shelf for 12 units	621272-000-006			12		1	
Self-Power Mini CORPTR	621185-000-003			1		1	
						Total	

SPRINT/UNITED TELEPHONE - FLORIDA

ALCATEL DS-1 CENTRAL OFFICE REPEATER (CORPTR)

13-Dec-94

CENTRAL OFFICE
==============

(A) Equipment type	(B) Part Number	Discounted Vendor Price	(C) Unit Installed Investment	(D) Unit DS-1 Capacity	(E) (C/D) Unit Investment Per DS-1	(F) Units Required Per DS-1	(G) (E*F) Total Investment Per DS-1
Unfinished Aluminum Upright	A-10639-2	[redacted]	[redacted]	120	[redacted]	1	[redacted]
Assembly Kit for 23" Upright	B-10632-2			120		1	
Fuse Panel	621168-000-003			120		1	
CORPTR Shelf for 12 units	621272-000-006			12		1	
Self-Power Mini CORPTR	621185-000-003			1		1	
						Total	

SPRINT/UNITED TELEPHONE - FLORIDA

NORTHERN TELECOM DMT-300 MULTIPLEXER

CENTRAL OFFICE

(A)	(B)		(C)	(D)	(E) (C/D)	(F)	(G) (E*F)
DMT-300	Part Number	UNIT VENDOR PRICE	Unit Installed Investment	Unit DS-3 Capacity	Unit Investment Per DS-3	Units Required Per DS-3	Total Investment Per DS-3
Unfinished Aluminum Upr. Kit 8'	A-10636-2	[redacted]	[redacted]	12	[redacted]	1	[redacted]
Rack Assembly Kit 23"	B-10632-2	[redacted]	[redacted]	12	[redacted]	1	[redacted]
Fuse Panel	621168-000-003	[redacted]	[redacted]	12	[redacted]	1	[redacted]
Quad Multiplex Shelf	NT6H31HA QUAD	[redacted]	[redacted]	4	[redacted]	1	[redacted]
DMT-300 Multiplexer	NT6H32AR M13	[redacted]	[redacted]	1	[redacted]	1	[redacted]
					Total per DS-3		[redacted]

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(1)

SPRINT/UNITED TELEPHONE - FLORIDA

PULSECOM D-4 CHANNEL BANK

D4pulse

CENTRAL OFFICE

21-Oct-94

(A) D-4 Channel Bank	(B) Part Number	Vendor Price	(C) Unit Installed Investment	(D) Unit DS-0 Capacity	(E) (C/D) Unit Investment Per DS-0	(F) Units Required Per DS-1	(G) (E*F) Average Investment Per DS-1
Unfin. Alum. Upr. Kit 8'	A-10636-2	[redacted]	[redacted]	192	[redacted]	24	[redacted]
Rack Assembly Kit 23"	B-10632-2			192		24	
Fuse Panel	621166-000-003			192		24	
Shelf(s)	PD4 23 inch			48		24	
Common Control Units (A)				48		24	
Common Control Units (B)				24		24	
Connector Block	405-1205-044			24		24	
						Total	

SPRINT/UNITED TELEPHONE - FLORIDA

ALCATEL - CHANNEL UNIT CARD VOICE FXO

CHANALC

13-Dec-94

CENTRAL OFFICE
==============

(A) Equipment Type	(B) Part Number	Discounted Unit Price	(C) Unit Installed Investment	(D) Unit DS-0 Capacity	(E) (C/D) Unit Investment per DS-0	(F) Units Required per DS-0	(G) (E*F) Total Investment per DS-0
Channel Unit Card - Voice	R521714	[redacted]	[redacted]	1	[redacted]	1	[redacted]
						Total	[redacted]
2 Wire ETO Voice or Analog	R524971	[redacted]	[redacted]	1	[redacted]	1	[redacted]
4 Wire ETO Voice or Analog	R524692	[redacted]	[redacted]	1	[redacted]	1	[redacted]

Sprint/United Telephone/Centel-Florida — OSP95.WK1

Size of fiber cables used for Interoffice Transport

Percentage of Buried versus Underground on 48 sites.

	Buried Cable miles	Buried Single Fib.miles	Average Number Fibers	Underground Cable miles	Underground Single Fib.miles	Average Number Fibers	Percentage Miles Bur/Underg
GLGC	38.2	1,175.6	30.77	4.4	176.6	40.1	89.67%
IMXL	33.7	555.6	16.49	0.3	6.8	22.7	99.12%
NMOR	7.7	170.4	22.13	26.2	791.1	30.2	22.71%
NNPS	22.2	495.7	22.33	10.9	289.4	26.6	67.07%
	1,210.8	27,133.3	22.41	470.0	12,081.7	25.7	72.04%

List of offices in the interoffice sample to determine the size of the fiber cables used and the percent distribution between Buried and Underground.

On average, the size of the cables are not larger than 24 fibers. Source MPIP January 1995.

72.04% is Buried Fiber Plant

27.96% is Underground Fiber Plant

			Distribution Factor	
Average Investment 4 fibers/mile	Buried	[redacted]	72.04%	[redacted]
Buried Subduct Labor + Material	Subduct		72.04%	
Average Investment 4 fibers/mile	Underground	[redacted]	27.96%	[redacted]
Innerduct + Conduct labor+Material	Conduit		27.96%	
	Total Investment/mile			[redacted]

Average Investment per DS-3/mile on a BLSR 48 DS-3 Transport System

Buried Subduct/Buried	[redacted]
Underground Conduit/innerduct	[redacted]
Total DS-3/mile	[redacted]

* DS-3 per mile investments used on Form 6A - 5.

OSP95.WK1

UTI Method
BURIED Average Incremental - Fiber Plant
Interoffice Fiber Cable Placed on or before 1993

(A) Cable Size	(B) Cable Inv per foot	(C) Fiber Length	(D) B*C Cable Investment	(E) A*C Total Feet Single Fiber
8	[redacted]	1,850	[redacted]	14,800
12		77,672		932,064
16		218,337		3,493,392
20		41,502		830,040
24		322,204		7,732,896
				13,003,192

Average Investment per single fiber/foot BURIED [redacted]

Average Investment 4 fibers/mile BURIED [redacted]

Mat.code 161029 2" pipe PVC Sched. 40 Subduct (1 third) [redacted]
(Labor [redacted], Material [redacted]

UTI Method
UNDERGROUND Average Incremental - Fiber Plant
Interoffice Fiber Cable Placed on or before 1993

(A) Cable Size	(B) Cable Inv per foot	(C) Fiber Length	(D) B*C Cable Investment	(E) A*C Total Feet Single Fiber
8	n/a			
12	[redacted]	13,294	[redacted]	159,528
16		592		9,472
20		10,509		210,180
24		17,307		415,368
				794,548

Average Investment per single fiber/foot UNDERGROUND [redacted]

Average Investment 4 fibers/mile UNDERGROUND [redacted]

Mat. Code 166445 [redacted] + Labor [redacted] Innerduct (1 third) [redacted]
Mat. Code 161076 [redacted] + Labor [redacted] Conduit for 4 Innerducts [redacted]
(Conduit capacity 4 innerducts 1.25" each)
(Innerduct capacity of (1) 12 fiber cable) Total Duct [redacted]

Sprint/United Telephone/Centel-Florida OSP95.WK1

Size of fiber cables used for Interoffice Transport

Percentage of Buried versus Underground on 48 sites.

A	B Buried Cable miles	C Single Fib.miles	D Average Number Fibers	E Underground Cable miles	F Single Fib.miles	G Average Number Fibers	H Percentage Miles Bur/Underg
	----	----	----	----	----	----	----
CLMT	32.4	748.9	23.11	6.1	192.3	31.5	84.16%
DDCY	19.0	564.1	29.69	2.7	96.6	35.8	87.56%
ESTS	29.7	1,006.0	33.87	5.0	106.6	21.3	85.59%
LSBG	23.6	423.5	17.94	23.2	481.7	20.8	50.43%
MTDR	15.5	392.3	25.31	6.5	208.9	32.1	70.45%
TVRS	6.4	72.8	11.37	6.1	72.4	11.9	51.20%
WLWD	12.3	295.3	24.01	1.0	62.5	62.5	92.48%
OCAL	59.7	1,087.2	18.21	32.3	988.2	30.6	64.89%
BVHL	17.9	470.6	26.29	1.6	39.8	24.9	91.79%
BLVW	55.8	1,264.7	22.66	1.7	40.9	24.1	97.04%
OKLW	6.0	102.0	17.00	0.1	1.3	13.0	98.36%
SHRD	26.1	632.3	24.23	3.1	86.7	28.0	89.38%
SVSP	5.5	191.6	34.84	1.2	52.1	43.4	82.09%
SVSS	12.4	169.4	13.66	4.2	84.2	20.0	74.70%
APPK	32.2	810.2	25.16	14.7	279.3	19.0	68.66%
KSSM	101.7	1,550.9	15.25	23.4	740.5	31.6	81.29%
STCD	64.4	1,492.7	23.18	2.0	85.2	42.6	96.99%
WNGR	31.0	779.9	25.16	15.8	242.0	15.3	66.24%
WSKM	17.1	273.1	15.97	26.5	440.2	16.6	39.22%
GLRD	14.0	246.6	17.61	16.6	557.6	33.6	45.75%
WNPK	9.6	147.9	15.41	23.7	608.3	25.7	28.83%
CSLB	4.6	81.3	17.67	6.5	148.8	22.9	41.44%
ALSP	10.8	261.9	24.25	23.6	607.6	25.7	31.40%
LKBR	15.0	354.0	23.60	14.4	446.5	31.0	51.02%
NTLD	5.3	105.1	19.83	0.8	43.1	53.9	86.89%
FTMY	1.8	49.8	27.67	18.4	574.9	31.2	8.91%
ALVA	17.2	338.1	19.66				100.00%
CYLK	18.2	434.3	23.86	44.8	992.7	22.2	28.89%
EFMY	8.0	174.6	21.83	14.3	365.9	25.6	35.87%
FTMS	0.9	13.7	15.22	1.9	30.4	16.0	32.14%
LHAC	33.0	796.4	24.13	4.3	38.1	8.9	88.47%
NCPC	12.2	269.4	22.08	7.8	241.1	30.9	61.00%
SFMY	11.0	376.2	34.20	18.1	526.1	29.1	37.80%
ARCD	78.9	2,061.5	26.13	2.4	60.3	25.1	97.05%
CPHZ	16.6	641.0	38.61	1.5	58.8	39.2	91.71%
LBLL	18.5	493.9	26.70	2.1	67.5	32.1	89.81%
MRHV	24.8	517.2	20.85	0.3	6.3	21.0	98.80%
PTCT	34.3	907.6	26.46	8.9	306.6	34.4	79.40%
PNGR	41.9	1,095.3	26.14	10.1	293.5	29.1	80.58%
AVPK	26.6	524.8	19.73	3.6	68.0	18.9	88.08%
OKCB	84.2	1,478.9	17.56	3.5	73.6	21.0	96.01%
SBNG	13.8	159.5	11.56	10.2	201.9	19.8	57.50%
SPLK	20.0	165.5	8.28	2.7	29.9	11.1	88.11%
NPSE	19.1	714.0	37.38	10.5	168.9	16.1	64.53%

TARIFF SECTION - PRIVATE LINE

SUB SECTION - LOCAL CHANNEL - TRANSLINK

Standard 11

SPRINT/UNITED TELEPHONE/CENTEL-FLORIDA

RATE CATEGORY: DS-1 TRANSPORT

RUN: LONG RUN AVERAGE INCREMENTAL COST

FORM 7A - 26

ITEM #	(A) PLANT ITEM DESCRIPTION	(B) USOA CODE	UNIT INVESTMENTS (C) CHAN.TERM. EQPT.	(D) LINE HAUL EQPT.	INVESTMENT FOR CIRCUIT QUANTITY EXCLUDING UTILIZATION (E) CHAN.TERM. EQPT.	(F) LINE HAUL EQPT.	(G) FILL FACTOR	INVESTMENT FOR CIRCUIT QUANTITY INCLUDING UTILIZATION (H) CHAN.TERM. EQPT.	(I) LINE HAUL EQPT.
1									
2	Local Channel Termination:								
3									
4	DSX1 DIGITAL CROSS CONNECT PANEL	2232.2	[redacted]		[redacted]		0.70	[redacted]	
5	Central Office Repeater	2232.2					0.70		
6	Loop-Back Module *	2232.2					0.70		
7									
8									
9	* customer site								
10									
11									
12									
13									
14									
15									

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SECTION
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SPRINT/UNITED TELEPHONE/CENTEL-FLORIDA

RATE CATEGORY: DS-1 TRANSPORT

RUN: LONG RUN AVERAGE INCREMENTAL COST

FORM 7B 27

TARIFF SECTION - PRIVATE LINE

SUB SECTION - LOCAL CHANNEL - TRANSLINK
Standard T1

			TOTAL INVESTMENTS			TOTAL ANNUAL COST		TOTAL MONTHLY COST			
ITEM #	(A) PLANT ITEM	(B) USOA CODE	(C) CHAN.TERM. EQPT.	(D) LINE HAUL EQPT.	(E) ANNUAL COST FACTOR	(F) CHAN.TERM. EQPT.	(G) LINE HAUL EQPT.	(H) CHAN.TERM. EQPT.	(I) LINE HAUL EQPT.	(J) ROUTE TO AIR RATIO	(K) AIRLINE MILEAGE COST PER MILE
1											
2	Local Channel Termination:										
3											
4	DSX1 DIGITAL CROSS CONNECT PANEL	2232.2	[redacted]		0.224128	[redacted]		[redacted]			
5	Central Office Repeater	2232.2			0.224128						
6	Loop-Back Module *	2232.2			0.224128						
7											
8	* customer site										
9											
10											
11											
12											
13											
14											
15											
16	TOTAL		[redacted]			[redacted]		[redacted]			

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TARIFF SECTION - SWITCHED ACCESS (E6)
SUB SECTION - MULTIPLEXING - DS-3 TO DS-1
All 28 DS-1's at the Access SWC or Tandem

SPRINT/UNITED TELEPHONE/CENTEL-FLORIDA
RATE CATEGORY: SWITCHED TRANSPORT
RUN: LONG RUN AVERAGE INCREMENTAL COST

FORM 7A - 28

ITEM #	(A) PLANT ITEM DESCRIPTION	(B) USOA CODE	UNIT INVESTMENTS (C) CHAN.TERM. EQPT.	UNIT INVESTMENTS (D) LINE HAUL EQPT.	INVESTMENT FOR CIRCUIT QUANTITY EXCLUDING UTILIZATION (E) CHAN.TERM. EQPT.	INVESTMENT FOR CIRCUIT QUANTITY EXCLUDING UTILIZATION (F) LINE HAUL EQPT.	(G) FILL FACTOR	INVESTMENT FOR CIRCUIT QUANTITY INCLUDING UTILIZATION (H) CHAN.TERM. EQPT.	INVESTMENT FOR CIRCUIT QUANTITY INCLUDING UTILIZATION (I) LINE HAUL EQPT.
1									
2									
3									
4									
5									
6									
7	Multiplexing								
8									
9									
10	DSX1 DIGITAL CROSS CONNECT PANEL	2232.2	[redacted]		[redacted]		0.70	[redacted]	
11	M13 MULTIPLEXER	2232.2					0.70		
12	DSX 3/4 CROSS CONNECT PANEL	2232.2					0.70		
13									
14									
15									

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SECTION \
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SPRINT/UNITED TELEPHONE/CENTEL-FLORIDA

RATE CATEGORY: SWITCHED TRANSPORT

RUN: LONG RUN AVERAGE INCREMENTAL COST

FORM 78-29

TARIFF SECTION - SWITCHED ACCESS (E6)

SUB SECTION - MULTIPLEXING - DS-3 TO DS-1

All 28 DS-1's at the Access SWC or Tandem

ITEM #	(A) PLANT ITEM	(B) USOA CODE	TOTAL INVESTMENTS (C) CHAN.TERM. EQPT.	(D) LINE HAUL EQPT.	(E) ANNUAL COST FACTOR	TOTAL ANNUAL COST (F) CHAN.TERM. EQPT.	(G) LINE HAUL EQPT.	TOTAL MONTHLY COST (H) CHAN.TERM. EQPT.	(I) LINE HAUL EQPT.	(J) ROUTE TO AIR RATIO	(X) AIRLINE MILEAGE COST PER MILE
1											
2											
3											
4											
5											
6											
7	Multiplexing										
8											
9	DSX1 DIGITAL CROSS CONNECT PANEL	2232.2	[redacted]		0.224128	[redacted]		[redacted]			
10	M13 MULTIPLEXER	2232.2			0.224128						
14	DSX 3/4 CROSS CONNECT PANEL	2232.2			0.224128						
12											
13											
14											
15											
16	TOTAL		[redacted]			[redacted]		[redacted]			

CONFIDENTIAL

SECTION:
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SPRINT/UNITED TELEPHONE/CENTEL-FLORIDA

FORM 7A -30

RATE CATEGORY: SWITCHED TRANSPORT

RUN: LONG RUN AVERAGE INCREMENTAL COST

TARIFF SECTION - SWITCHED ACCESS (E6)

SUB SECTION - MULTIPLEXING - DS-1 to Voice Grade

All 24 DS-0's at the Access SWC or Tandem

			UNIT INVESTMENTS		INVESTMENT FOR CIRCUIT QUANTITY EXCLUDING UTILIZATION			INVESTMENT FOR CIRCUIT QUANTITY INCLUDING UTILIZATION	
ITEM #	(A) PLANT ITEM DESCRIPTION	(B) USOA CODE	(C) CHAN.TERM. EQPT.	(D) LINE HAUL EQPT.	(E) CHAN.TERM. EQPT.	(F) LINE HAUL EQPT.	(G) FILL FACTOR	(H) CHAN.TERM. EQPT.	(I) LINE HAUL EQPT.
1									
2									
3									
4									
5									
6	Multiplexing								
7									
8	D-4 CHANNEL BANK	2232.2	[redacted]		[redacted]		0.70	[redacted]	
9	4 WIRE ETO VOICE OR ANALOG	2232.2					0.70		
10									
11									
12									
13									
14									
15									

ltrave3.wk1

CONFIDENTIAL

3180 118

SPRINT/UNITED TELEPHONE/CENTEL-FLORIDA

RATE CATEGORY: SWITCHED TRANSPORT

RUN: LONG RUN AVERAGE INCREMENTAL COST

FORM 7831

TARIFF SECTION - SWITCHED ACCESS (E6)

SUB SECTION - MULTIPLEXING - DS-1 to Voice Grade

All 24 DS-0's at the Access SWC or Tandem

ITEM #	(A) PLANT ITEM	(B) USOA CODE	TOTAL INVESTMENTS (C) CHAN.TERM. EQPT.	(D) LINE HAUL EQPT.	(E) ANNUAL COST FACTOR	TOTAL ANNUAL COST (F) CHAN.TERM. EQPT.	(G) LINE HAUL EQPT.	TOTAL MONTHLY COST (H) CHAN.TERM. EQPT.	(I) LINE HAUL EQPT.	(J) ROUTE TO AIR RATIO	(K) AIRLINE MILEAGE COST PER MILE
1											
2											
3											
4											
5											
6	Multiplexing										
7											
8	D-4 CHANNEL BANK	2232.2	[redacted]		0.224120	[redacted]		[redacted]			
9	4 WIRE ETO VOICE OR ANALOG	2232.2	[redacted]		0.224120	[redacted]		[redacted]			
10											
11											
12											
13											
14											
15											
16	TOTAL		[redacted]			[redacted]		[redacted]			

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ANNUAL CHARGE FACTOR

Digital Electronic Switch - Other

	$414,684,442.00 Investment
	10.50% Cost of Capital
0.066	15.15 Depreciation Life (Years)
	1.88% Ad Valorem Tax
	$55,843,704.54 Annual Capital Recovery
0.066000	$27,369,173.17 Depreciation Component
0.068666	$28,474,531.37 Return Component
0.134666	Total Capital Components
0.029587	Tax Factor
0.164253	Gross Up For Tax
0.059662	Maintenance
0.223915	Sub Total
0.01228786197	Ad Valorem Tax Component
$0.236202	Annual Carry Charge

Land & Buildings

Total Plant -	$3,517,094,815
Land & Buildings	$ 151,243,983
Land & Buildings Factor	$0.043

UNITED TELEPHONE COMPANY OF FLORIDA
CUSTOMER USAGE STUDY
POINT-TO-POINT STUDY

SUMMARY OF RATE GROUPS

Line #		HOME (204,035) Res	HOME (204,035) Bus	EAS (883,567) Res	EAS (883,567) Bus	COMBINED (1,087,602) Res	COMBINED (1,087,602) Bus	BUS/ RES Ratio
1.	Access Lines in Study	3,121	803	3,121	803	3,121	803	
2.	Customers Billed	3,118	605	3,118	605	3,118	605	
3.	# of Customers Originating 1 or More Calls	3,872	516	2,734	517	N/A	N/A	
4.	Originating Messages	170,874	87,335	115,343	116,855	286,217	204,190	
5.	Customer Usage	92%	85%	88%	85%	N/A	N/A	
6.	Avg. Msg. per Acc. Line	54.75	108.76	36.96	145.52	91.71	254.28	2.78
7.	Message Minutes	881,518	310,291	652,766	439,922	1,534,284	750,213	
8.	Avg. Minutes per Msg.	5.16	3.55	5.66	3.76	5.36	3.67	
9.	Avg. Minutes per AL	282	386	209	548	492	934	1.90

Average Weighted Minutes per Message

5.36 X 75% = 4.02
3.67 X 25% = 0.9175
4.9375

Note:
() Number of Callable Access Lines
Customer usage = L3/L2
Avg. Msg. Per Acc. Line = L4/L1
Avg. Minutes per Msg. = L7/L4
Avg. Minutes per AL = L7/L1
Large Rate Group = # of Callable Access Lines > 64,000

Offices Included:
Altamonte Springs
Eustis
North Naples
Ocala
Oklawaha
Reedy Creek

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Resolution of Petition to Establish Non Discriminatory Rates, Terms, and Conditions for Interconnection Involving Local Exchange Companies and Alternative Local Exchange Companies pursuant to Section 364.162, Florida Statutes	DOCKET NO. 950985-TP

EXHIBIT "C" TO SPRINT UNITED/CENTEL'S
SECOND REQUEST FOR CONFIDENTIAL CLASSIFICATION

Line-by-line Identification and Justification

Number	Page	Line(s)	Column(s)	Justification
1	004	2 - 5	B	Note 1
2	008	5-6,17,21,26	Data	Note 2
3	008	18,22,27	Data	Note 4
4	009	8-16	B	Note 2
5	010	5-6,19,23,27	Data	Note 2
6	010	20,24,28	Data	Note 4
7	011	7-15	B	Note 2
8	012	5-6,21,25,29	Data	Note 2
9	012	22,26,30	Data	Note 4
10	013	7-12	B	Note 2
11	014	6-7,19,23,27	Data	Note 2
12	014	20,24,28	Data	Note 4
13	015	7-12	B	Note 2
14	017	4,5,10,11	Data	Note 3
16	025	6-8,10-13,14-16	Data	Note 4
17	025	6-8,18-19,23,28-29	Data	Note 2
18	026	6-8,10-13a,14-19,21	Data	Note 4
19	026	6-8,23-24,28,32-33	Data	Note 2
20	026	9,20,36-37	Data	Note 3
21	027	6-8,11-15,16-20,22	Data	Note 4
22	027	6-8,24-25,28,32-33	Data	Note 2
23	027	9,21,36-37	Data	Note 3
24	028	2-4	B	Note 1
25	028	3	A	Note 3
26	034	11-23	Data	Note 6
27	036	9,17,22-26,29-32,40	B	Note 7
28	037	9,17,22-26,29-32,40	B	Note 7
29	038	9,17,22-26,29-32,40	B	Note 7
30	039	9,17,22-26,29-32,40	B	Note 7
31	040	9,17,22-26,29-32,40	B	Note 7
32	041	7-9,12-15,22-24,27-30	C	Note 7
33	042	7-9,12-16,22-24,27-30	C	Note 7
34	043	7-9,12-15,22-24,27-30	C	Note 7
35	044	7-9,12-15,22-24,27-30	C	Note 7
36	045	7-9,12-16,22-24,27-30	C	Note 7

Number	Page	Line(s)	Column(s)	Justification
37	046	7-9,12-15,22-24,27-31	C	Note 7
38	047	7-9,12-15,22-24,27-31	C	Note 7
39	048	7-9,12-15,22-24,27-30	C	Note 7
40	049	7-9,12-15,22-24,27-31	C	Note 7
41	050	7-9,12-16	C	Note 7
42	051	7-9,12-16,22-24,27-31	C	Note 7
43	052	7-9,12-15,22-24,27-31	C	Note 7
44	053	7-9,12-16,22-24,27-30	C	Note 7
45	054	7-9,12-15,22-24,27-30	C	Note 7
46	055	7-9,12-15,22-24,27-30	C	Note 7
47	056	7-9,12-15,22-24,27-30	C	Note 7
48	057	7-9,12-16	C	Note 7
49	058	7-9,12-16,22-24,27-31	C	Note 7
50	059	7-9,12-15,23-25,28-32	C	Note 7
51	060	7-9,12-15,22-24,27-30	C	Note 7
52	061	7-9,12-15,22-24,27-30	C	Note 7
53	062	7-9,12-16,22-24,27-30	C	Note 7
54	063	7-9,12-15,22-24,27-30	C	Note 7
55	064	7-9,12-15,22-24,27-30	C	Note 7
56	065	7-9,12-15,22-24,27-30	C	Note 7
57	066	7-9,12-15,22-24,27-30	C	Note 7
58	067	7-9,12-16,22-24,27-30	C	Note 7
59	068	7-9,12-15,22-24,27-30	C	Note 7
60	069	7-9,12-16,22-24,27-30	C	Note 7
61	070	7-9,12-15,22-24,27-31	C	Note 7
62	071	7-9,12-15,22-24,27-30	C	Note 7
63	072	7-9,12-16	C	Note 7
64	074	12,20,22-23	Data	Note 6
65	076	18,23-26,35	C	Note 7
66	077	18,23-26,35	C	Note 7
67	078	18,23-26,35	C	Note 7
68	081	14,18	1,2	Note 8
69	083	10-13	B	Note 8
70	084	19	E,F	Note 8
71	085	9-11,14-16,19,21	B	Note 8
72	086	9	B,C	Note 8
73	086	15	E,F1	Note 8
74	088	8-11,15-21,26,29-30	Data	Note 9
75	089	6-7	C,E,H	Note 10
76	090	6-7,16	C	Note 10
77	090	6-7,16	F,H	Note 11
78	091	1-4	C,E,H	Note 10
79	092	1-4,13	C	Note 10
80	092	1-4,13	C,F,H	Note 11
81	092	1-4	H	Note 11
82	092	13	H	Note 9
83	093	2-3,10-15	D,F,I	Note 10
84	094	2-3,10-16	D	Note 10
85	095	2-3,10-16	G,I,K	Note 11
86	096	2-3,10-16	D	Note 10

Number	Page	Line(s)	Column(s)	Justification
87	096	2-3,10-13	G,I,K	Note 11
88	096	16	G,I,K	Note 3
89	096	17	Data	Note 3
90	097	24,26,27,29,32	Data	Note 10
91	098	6,8,9,10,13-15	Data	Note 10
92	099	9-13,19-21	Data	Note 10
93	100	9-12,14-30,31-41	B	Note 5
94	100	9-12,14-30,31-41	C,E,G	Note 10
95	101	9-29	B	Note 5
96	101	9-31,35-39	E,G	Note10
97	101	33,34,40,41	G	Note 10
98	102	10-13,16-30,33-42	B	Note 5
99	102	10-15,16-32,33-43	C,E,G	Note 10
100	103	10-30	B	Note 5
101	103	10-32	C,E,G	Note 10
102	103	36-40	E	Note 10
103	103	36-40	E	Note 10
104	104	10-14	B	Note 5
105	104	10-17	B	Note 10
106	105	8-11	B	Note 5
107	105	8-14	C,E,G	Note 10
108	106	10-14	B	Note 5
109	106	10-15	C,E,G	Note 10
110	107	11-12	B	Note 5
111	107	11-13	C,E,G	Note 10
112	108	10-14	B	Note 5
113	108	10-15	C,E,G	Note 10
114	109	9-15	B	Note 5
115	109	9-16	C,E.G	Note 10
116	110	9,11,12	B	Note 5
117	110	9-12	C,E,G	Note 10
118	111	19-23,25-29	Data	Note 10
119	112	8-13,26-30	B,D	Note 10
120	112	14-17,31-34,36	Data	Note 10
121	114	4-6	C,E,H	Note 10
122	115	4-6,16	C	Note 10
123	115	4-6,16	C,F,H	Note 11
124	116	9-11	C,E,H	Note 10
125	117	9-16	C,F,H	Note 10
126	117	9-16	F,H	Note 11
127	118	8-9	C,E,H	Note 10
128	119	8-9,16	C	Note 10
129	119	8-9,16	F,H	Note 11

Note 1: This page shows the Total Service Long Run Incremental Costs (TSLRIC) that Sprint-Florida incurs to terminate calls. The disclosure of this information to the public would allow Sprint's competitors to have an unfair advantage in determining how to most effectively compete against Sprint.

Sprint does not have this information on any of their competitors and it would require an effort at significant cost to try to determine these costs of the competitors.

Note 2: This page contains information developed by the Switching Cost Information System (SCIS) regarding the investment costs and processor utilization times specific to Sprint's end offices, local tandems, and access tandems. This information is considered proprietary by both Sprint and Bellcore.

Sprint considers this information proprietary because it spells out the investments in its switches required to provide interconnection as well as the number of milliseconds required by its switches to perform certain functions. This is information which would help Sprint's competitors understand how to most effectively compete with Sprint. It is information that Sprint does not have on its competitors switches.

Bellcore also considers this information to be proprietary as they consider the SCIS model's calculations to be proprietary. Anyone not authorized to have the SCIS model could take the inputs and outputs and determine what calculations Bellcore has used within the model. (See attached letter from Bellcore.)

Note 3: This page contains Sprint-Florida's TSLRIC cost of DS-1 transport. DS-1 transport is already a highly competitive service in Florida. Knowledge of Sprint-Florida's cost by its competitors would allow the competition to undercut Sprint in competitive situations. These costs were developed in the Local Transport Restructure (LTR) filing in 1995 and were filed as confidential.

Note 4: This page contains the costs and investments associated with the set-up, per minute of use (MOU) and signalling system 7 (SS7) required to terminate calls. Knowledge of these costs by Sprint's competitors would allow them to determine how to most effectively compete with Sprint. Also, the investments developed by SCIS are considered proprietary by Bellcore. (See attached letter from Bellcore.)

Note 5: This page contains vendor's discounted prices of equipment provided to Sprint-Florida. The discounted vendor prices are confidential as the vendor does not give the same discount to all purchasers.

Note 6: The SCIS outputs are considered confidential to both Sprint and Bellcore. Sprint considers the investments associated with its end office switches and access tandems to be information which could be used by Sprint's competitors to easily determine Sprint's costs of switching. Sprint does not have access to this information for its competitors switches.

In addition, Bellcore considers both the inputs and outputs of the SCIS model to be proprietary as knowledge of both could allow someone unauthorized to use SCIS to figure out how SCIS models a switch. (See the attached letter from Bellcore.)

Note 7: The SCIS inputs are considered confidential to both Sprint and Bellcore. Sprint considers the capacity information of each switching node to be proprietary as competitors could use this information to help target more attractive Sprint offices for competition or to discover any areas vulnerable to competition. Sprint does not have such information for any of its competitors switch nodes.

Bellcore considers the inputs to be proprietary as stated in Note 6.

The RTU Material fee would be considered proprietary by Nortel as well given that Nortel negotiates different discount levels with each of its customers.

Note 8: These pages contain the inputs and outputs from the Common Channel Signaling Cost Information System (CCSCIS) which is another Bellcore proprietary model. Bellcore considers both the inputs and outputs to be proprietary as stated in previous notes. (See attached letter from Bellcore.)

Sprint considers these inputs and outputs to be proprietary because they contain the costs and investments associated with the SS7 network as it is required to terminate calls. This is information which Sprint does not have for its competitors networks.

Note 9: These are the TSLRIC costs associated with transport and have previously been filed as confidential in the Local Transport Restructure (LTR) filing in 1995. Transport is already a highly competitive service in Florida. Knowledge of Sprint-Florida's cost by its competitors would allow the competition to undercut Sprint in competitive situations.

Note 10: These are the investments associated with the equipment required to provide transport. These numbers are confidential as the negotiated price Sprint has with its vendors may be different than the price other companies have negotiated with the same vendor. Also, knowledge of the investments by Sprint's competitors would allow them to know Sprint's costs associated with transport, a highly competitive service.

Note 11: These are the costs associated with the equipment required to provide transport. Knowledge of the costs associated with the piece parts of transport would allow Sprint's competitors to know Sprint's cost of transport.

Bellcore

Privileged and Confidential

James F. Britt
Executive Director

LCC 2E-243
290 West Mt. Pleasant Avenue
Livingston, New Jersey 07039 USA
201-740-4810
201-740-4916
FAX No. 201-740-6887

January 26, 1993

Mr. Paul Leslie Harrell
United Telecommunications, Inc.
2330 Shawnee Mission Parkway
Westwood, KS 66205

Dear Mr. Harrell:

During the past six (6) months, Bellcore has noticed an appreciable increase in Public Utility Commission interest in the Switching Cost Information System (SCIS) and the Common Channel Signaling Cost Information System (CCSCIS). Clearly, this interest has been generated by the FCC Review of the ONA and LIDB cost support, and SCIS and CCSCIS in particular. It is also highly likely that the FCC, state PUCs and the Joint Board are anticipating the use of both systems in the pending 800 Data Base filing.

In addition to the above, we have also seen a marked increase in the use of outside consultants to perform cost of service studies using SCIS (and CCSCIS) by the non-affiliate client base. Specifically, Ernst and Young, Indetec and Arthur Andersen. This phenomena, when coupled with the regulatory processes, increases the probability of unwarranted and inappropriate disclosure of proprietary and confidential information contained within each of the aforementioned models. It also poses a potentially serious problem for Bellcore inasmuch as, broad disclosure of the model, a model that constitutes a trade secret of Bellcore, without the requisite protection could adversely effect our revenue prospects during a period when external sales are growing due to the increasing need for sophisticated network cost models.

In order to ensure that the confidentiality of SCIS/CCSCIS is maintained, the following procedures are reiterated and/or established. First and foremost, PUC or other government agency requests for access to the documentation or software should be put in writing and forwarded to my attention. Generally speaking, if the government agency enters into a Nondisclosure Agreement with Bellcore, and if state sunshine laws do not compromise the basic tenets of nondisclosure, Bellcore will allow in camera government access to unredacted versions of all material relevant to a particular filing. Bellcore will provide the Nondisclosure Agreement upon request.

The same procedures apply to independent consultants hired by clients to perform cost of service studies. I must emphasize, however, that all consultants must sign a Nondisclosure Agreement and execute Access Agreements for each engagement. The former must be signed by Bellcore, the consultant and the telephone company retaining the consultants while the latter must be executed by each individual consultant afforded access to the SCIS/CCSCIS material. Bellcore will provide both Agreements upon receiving, in writing, request for same. Providing access to the models absent fully executed Agreements is a contract violation.

Sprint Corporation
• Proprietary •

Providing intervenors direct access to unredacted documentation and software is not permitted. Intervenors who execute the aforementioned Agreements can be provided access to redacted documentation and, if essential, to redacted software. In order to expedite this process, Bellcore will, henceforth, provide the SCIS/CCSCIS diskette coordinators (or others, if specified) with fully redacted versions of SCIS and CCSCIS documentation upon request. Requests should be forwarded to Mr. Joel Compton on (201) 740-3298.

Redacted documentation availability will trail the issuance of formal documentation by, approximately, two weeks. This is reasonable since the alternative would be to delay full release which would not be acceptable to you, or Bellcore. The first full set of SE/DMS redacted documentation from release 5.2 to the present will be available in, approximately, thirty (30) days.* Once a request for material has been received, Bellcore will provide same within 24 hours. Redacted software will also be provided upon request, but could require up to three (3) weeks notice.

I reiterate, Bellcore must be fully informed of all requests for access to the models, as well as pending requests. We will administer the procedural aspects of the review process relating to the models to both protect our collective interests and to remove the need for you to undertake additional responsibility.

If you have any questions regarding the above, you may contact Mr. Compton who is responsible for all matters relating to documentation redactions, Mr. Francis Chou (201-740-4775) my documentation Director, or the undersigned. In advance, my thanks for your continued cooperation in this matter.

Sincerely,

James Britt

Copy to:

R. Aitken
W. S. Butts
T. Cox
S. Day
R. Donahue
B. Moye
D. Thomas
F. Chou - Bellcore
J. Compton - Bellcore

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* Inasmuch as, AXE-10, EWSD and DCO switches were not redacted for the ONA Investigation, the redacted versions of the above must be approved by Ericsson, Siemens and Stromberg Carlson, respectively, prior to release. This will result in a delay of undetermined duration.

Sprint Corporation
- Proprietary -

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished by U. S. Mail or hand delivery (*) or overnight express (**) this 8th day of August, 1996, to the following:

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