

EXHIBIT NO. _____

DOCKET NO.: 990649B-TP

WITNESS: Confidential Verizon-Stip - 1

PARTY: Verizon

DESCRIPTION:

1. ✓ DN 15935-01: Response to Staff's 1st Request for Production of Documents Item 3
2. ✓ DN 02291-02: Response to ALEC Coalition's 1st Request for Production of Documents Items 3, 6, 13, and 14; and Verizon Response to ALEC Coalition's 1st Set of Interrogatories Item 43 (RPD 13 on 2 CDS)
3. DN 04134-02: Response to Staff's 7th Request for Production of Documents Items 73, 78, and 92 (Response on Disk/CD)
4. DN 00582-02: Response to Staff's 2nd Set of Interrogatories Item 59; and Response to Staff's 2nd Request for Production of Documents Item 27 (RPD 27 on Disk/CD)
5. DN 02595-02: Response to Staff's 5th Set of Interrogatories Items 65 & 67 (67 on CD)
6. DN 04448-02: Supplemental Response to Staff's 8th Set of Interrogatories Items 242(b) and 274(b) (Response on Disk/CD)
7. DN 04451-02: Supplemental Response to ALEC Coalition's 1st Set of Interrogatories Item 32 (Response on CD)

PROFFERING PARTY: STAFF

I.D. #CONF-Verizon-Stip-1

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Att 3/16/07 (entire document)

FLORIDA PUBLIC SERVICE COMMISSION
 DOCKET NO. 990649B-TP EXHIBIT NO. 21
 COMPANY/ FPSC Staff
 WITNESS: _____
 DATE: 4-29-02 4-30-02

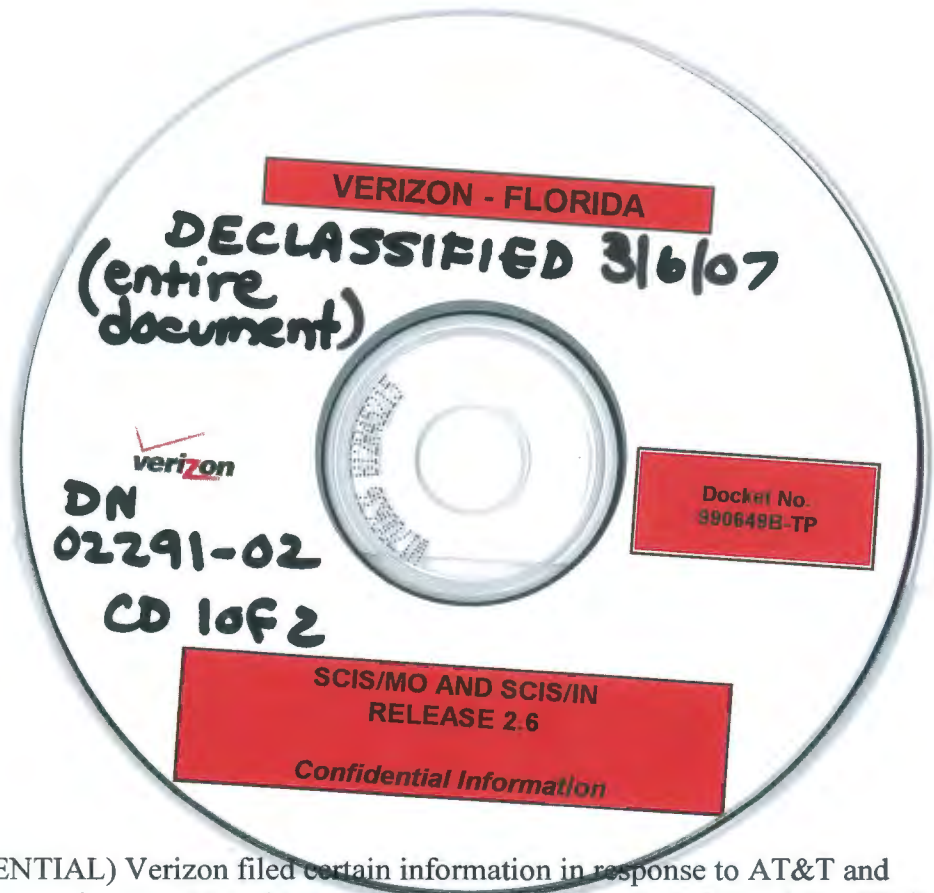
DOCUMENT NUMBER DATE

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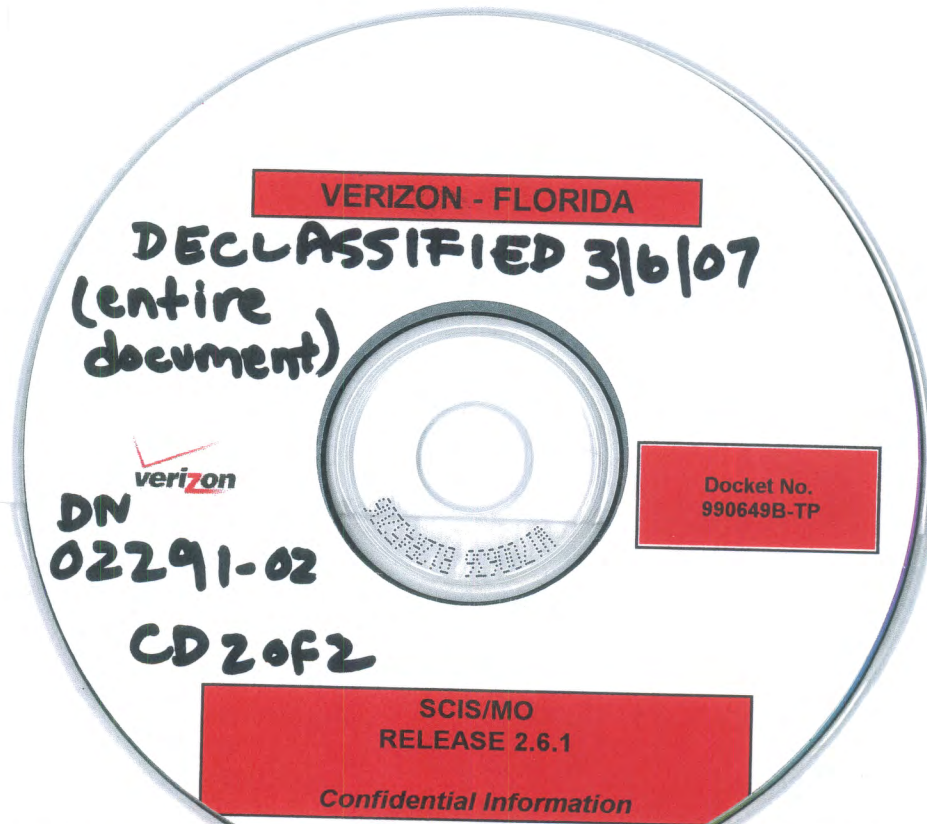
FPSC-COMMISSION CLERK

02291-02

1 of 2



CLK note: (CONFIDENTIAL) Verizon filed certain information in response to AT&T and MCI's 1st set of interrogatories, No. 43 and 1st request for PODs, Nos. 3, 6, 13, and 14. CLK noted that Hearing Exhibit No. 21, filed by Verizon, consists of confidential DNs 15935-01, 02291-02, 04134-02, 00582-02, 02595-02, 04448-02, and 04451-02, which were provided on 4 CDs. These CDs were subsequently declassified and forwarded to the docket file. A review of the 4 CDs found SCIS MO SCIS/IN program files that were company copyright reserved. For further information, contact the Office of Commission Clerk.



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SCIS/MO RELEASE 2.6 + 2.6!
Client Code Facility

Important: Do Not Discard

This product uses a Client Code Facility.

The code given below must be supplied during the installation process in order to enable the product to operate properly at your site.

Your Client Code and relevant information:

Company:	GTE
Client Code:	DA-QI-BI

This code is unique to the product and your company, and cannot be transferred to another product or customer.

Unauthorized use of this information is prohibited.

Please be sure to save this information in a secure location.
Do not copy.

BELLCORE

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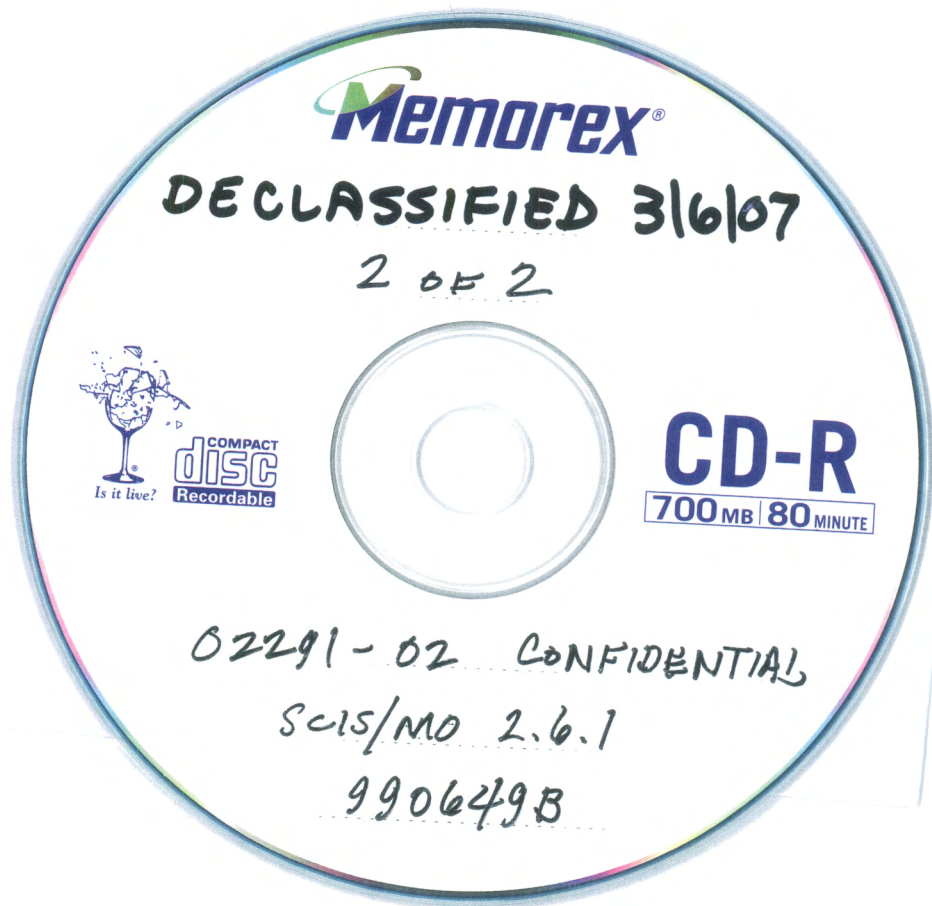
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2001 NOMC Valid LSR Forecast for UNE

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
UNE: Designed/NonDes Loops	16873	17551	18823	17327	17480	17733	17883	17520	17912	18807	18133	17264	213306
UNE Designed @ 30%	5062	5265	5647	5198	5244	5320	5365	5256	5374	5642	5440	5179	63992
UNE Non Designed @ 70%	11811	12286	13176	12129	12236	12413	12518	12264	12538	13165	12693	12085	149314
Design Eligible for Flow-Thru @ 50%	2531	2633	2823	2599	2622	2660	2682	2628	2687	2821	2720	2590	31996
Actual DsgnFlow Thru (see below)	633	658	678	624	629	745	751	920	940	987	952	1036	9553
NonDsgn Eligible for Flow-Thru @ 60%	7087	7371	7906	7277	7342	7448	7511	7358	7523	7899	7616	7251	89589
Actual NonDsgn Flow Thru (see below)	1772	1843	1897	1747	1762	2085	2103	2575	2633	2765	2666	2900	22397
LSRs Rep Handled	14469	15050	16248	14957	15089	14903	15029	14025	14339	15055	14515	13328	181356
Designed Loops	30%												
Non Designed Loops	70%												
% Designed Loops Eligible	50%												
Actual Flow Thru for Desgn Loops	25%		24%			28%		35%				40%	
% NonDesigned Loops Eligible	60%												
Actual Flow Thru for NonDesign Loops	25%		24%			28%		35%				40%	

1. UNE volumes are based on actuals
2. Target Date for Non Design Loops Phase I is 10/2000 (V66)
3. Target Date for Design Loops Phase I is 12/2000 (V67)
4. Changed UNE timing from 49.8 mins to 35 mins 9/8/00
5. Changed UNE timing from 35 mins to 28 mins 12/22/00
6. Revised flow thru projection 3/01 for Mar - Dec.

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ENTIRE DOCUMENT

Entire DN

9906498-TP

2530

UNE

02291

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This confidentiality request was filed by or for a "teleco" for DN 02291-02. No ruling is required unless the material is subject to a request per 119.07, FS, or is admitted in the record per Rule 25-22.006(8)(b), FAC.

DOCUMENT NUMBER DATE

02291 FEB 27 8

FPSC-COMMISSION CLERK

2001 NOMC Valid LSR Forecast for UNE-P

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
UNE-P	15000	15150	15301	15454	15609	15765	15923	16082	16243	16405	16569	16735	190236
Eligible for Flow-Thru @ 75%			11476	11591	11707	11824	11942	12062	12182	12304	12427	12551	120065
Actual Flow Thru @ 25%			2869	2898	2927	2956	2986	3015	3046	3076	3107	4393	31271
LSRs Rep Handled	15000	15150	12432	12556	12682	12809	12937	13067	13197	13329	13462	12342	158965
% Eligible			75%										
Actual Flow Thru			25%									35%	

1. UNE-P Target Date is 2/2001 (V68)
2. Revised flow thru projection 3/01 for Mar - Dec.

2531

2001 NOMC Valid LSR Forecast for INP/LNP

Revised 12/20/00

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Local Number Portability	14228	14370	14514	14659	14806	14954	15103	15254	15407	15561	15716	15874	180445
Eligible for Flow-Thru @ 70%	14228	14370	14514	14659	14806	14954	15103	15254	15407	15561	15716	15874	180445
Actual Flow Thru @ 25%	4553	4598	4644	4691	4738	4785	4796	6864	6933	7002	7072	7143	69821
LSRs Rep Handled	9675	9772	9870	9968	10068	10169	8307	8390	8474	8559	8644	8730	110624
% Eligible	100%												
Actual Flow Thru	32%						45%						

1. LNP Target Date is 9/2000 (V65)
2. Changed LNP timing from 27 minutes to 35 mins. 8/9/00
3. FT 32% Jan-Jun, 45% Jul-Dec

2532

2001 NOMC ADSL Line Share Forecast for Line Share - Phase 1 & 2

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Line Share - 'I' Orders	30289	29927	30305	30688	31077	31488	31922	32361	32806	33257	33690	34124	381934
Line Share 'C' w/o Flow-Thru	30289	29927	30305	30688	31077	31488	31922	32361	32806	33257	33690	34124	381934
Line share - 'C' Orders	30289	29927	30305	0	0	0	0	0	0	0	0	0	90521
Eligible for Flow-Thru @ 70%&75%	21202	20949	21214	30688	31077	31488	31922	32361	32806	33257	33690	34124	381934
Actual Flow Thru @ %, See Below	6361	6285	11243	18413	18645	18893	19153	19417	21324	21617	21899	23887	207136
Partial Flow Thru	14842	14664	9970	12275	12431	12595	12769	12944	11482	11640	11792	10237	174798
No Flow-Thru	9087	8978	9092	0	0	0	0	0	0	0	0	0	0
% Eligible - Jan -March	70%												
% Eligible - April - Dec	100%												
Actual Flow Thru	30%		53%	60%					65%			70%	

1. Line Share - Phase 1 Target Date is 12/2000 (V67)
2. Line Share - Phase II Target Date is 2/2001 (V68)
3. 50% of the Churn/Change volumes have been included in 'I' order and the other 50% in the 'C' order
4. Changed timing of a Line Share from 46.8 mins to 30 mins - 9/8/00
5. FT 30% Jan-Jun, 37% Jul-Dec
6. Revised FT 3/01 : 53% Mar, 60% Apr-Aug, 65% Sep-Nov, 70% Dec.

All Centers OMT11 Error Report

July 2001

Error Description	CBG	CDA	DUR	FTW	SAN	STP	SYS	Total
Did not convert all requested TNs	0	5	1	0	0	0	0	6
Did not correct Profile errors	0	18	11	18	0	0	0	47
Did not remove IOSCs from OADJ screen	0	1	0	0	0	0	0	1
Did not remove Smart Ring Toll Guide	0	0	11	1	0	0	0	12
Did not separate BTN's on Partial Conversion	0	1	2	0	0	0	0	3
Incorrect Action On BNDL	0	17	42	4	3	0	0	66
Incorrect CCLL Action	0	46	57	12	3	0	0	118
Incorrect Entry On ESVC	0	15	31	6	1	0	0	53
Incorrect OCN on PON	4	10	9	6	0	0	0	29
Invalid action indicator of 'C' versus 'T'	0	4	13	1	0	0	0	18
Line IOSC missing or invalid	0	51	46	9	1	0	0	107
Missing Or Invalid Action On LSVC	0	55	53	10	1	0	0	119
OMT indicator missing or invalid	1	6	9	3	2	0	0	21
Order activity not reviewed for pending changes to account	0	6	13	1	0	0	0	20
Other*	2	46	47	15	1	0	0	111
Residual/Rental Equipment not removed	0	23	33	2	2	0	0	60
Retail made changes to OMT account (non-associate)	0	5	0	0	0	0	0	5
System Issue (non-associate)	0	20	0	0	0	0	0	20
Winback (Date) (non-associate)	0	2	1	0	0	0	0	3
Center Totals	7	331	379	88	14	0	0	819

All Centers OMT11 Error Report

August 2001

Error Description	CBG	GDA	DUR	FTW	SAN	STP	SYS	Total
Did not convert all requested TNs	0	3	2	1	0	0	0	6
Did not correct Profile errors	0	30	4	10	0	0	0	44
Did not remove IOSCs from OADJ screen	0	3	0	2	0	0	0	5
Did not remove Smart Ring Toll Guide	0	1	1	1	0	0	0	3
Did not separate BTN's on Partial Conversion	0	1	1	0	0	0	0	2
Incorrect Action On BNDL	0	28	16	4	1	0	0	49
Incorrect CCLL Action	0	64	44	22	4	0	0	134
Incorrect Entry On ESVC	0	31	9	10	1	0	0	51
Incorrect OCN on PON	0	6	2	0	0	0	0	8
Invalid action indicator of 'C' versus 'T'	0	8	6	3	0	0	0	17
Line IOSC missing or invalid	0	73	28	17	0	0	0	118
Missing Or Invalid Action On LSVC	0	101	36	14	2	0	0	153
OMT indicator missing or invalid	0	6	4	0	1	0	0	11
Order activity not reviewed for pending changes to account	0	2	0	0	0	0	0	2
Other*	0	53	36	15	2	0	0	106
Residual/Rental Equipment not removed	0	39	21	4	1	0	0	65
Retail made changes to OMT account (non-associate)	0	8	0	0	0	0	0	8
System Issue (non-associate)	0	7	0	0	0	0	0	7
Valid Residual (non-associate)	0	1	0	0	0	0	0	1
Winback (Date) (non-associate)	0	1	0	0	0	0	0	1
Center Totals	0	466	210	103	12	0	0	791

All Centers OMT11 Error Report

September 2001

Error Description	CBG	CDA	DUR	FTW	SAN	STP	SYS	Total
Did not convert all requested TNs	0	5	2	0	0	0	0	7
Did not correct Profile errors	0	9	8	1	0	0	0	18
Did not remove IOSCs from OADJ screen	0	4	2	0	0	0	0	6
Did not remove Smart Ring Toll Guide	0	2	1	0	0	0	0	3
Did not separate BTN's on Partial Conversion	0	1	2	0	0	0	0	3
Incorrect Action On BNDL	0	16	4	2	0	0	0	22
Incorrect CCLL Action	0	55	28	11	0	0	0	94
Incorrect Entry On ESVC	0	13	14	2	0	0	0	29
Incorrect OCN on PON	0	11	2	5	0	0	0	18
Invalid action indicator of 'C' versus 'T'	0	4	1	0	0	0	0	5
Line IOSC missing or invalid	0	49	24	6	1	0	0	80
Missing Or Invalid Action On LSVC	0	52	27	8	3	0	0	90
OMT indicator missing or invalid	0	3	4	2	0	0	0	9
Order activity not reviewed for pending changes to account	0	0	2	2	0	0	0	4
Other*	0	37	24	17	2	0	0	80
Residual/Rental Equipment not removed	0	34	24	12	0	0	0	70
Retail made changes to OMT account (non-associate)	0	5	0	0	0	0	0	5
System Issue (non-associate)	0	8	0	0	0	0	0	8
Winback (Date) (non-associate)	0	4	0	0	0	0	0	4
Center Totals	0	312	169	68	6	0	0	555

SCIS/MO 2.6 Data Transfer Spreadsheet

ENTIRE DOC.

	D	E
1	SCIS/MO 2.6 DATA TRANSFER SPREADSHEET	5ESS OFFICE
2	Ctrl-R: set input categories for download Ctrl-S: download inputs by Subset Ctrl-T: download inputs by Office Ctrl-P: download partial offices and remotes	BHPKFLXA28H
3	Node Definition Inputs	
4	5ESS	ESSHST1
5	Office/Remote CLLI (up to eleven characters; cannot be blank)	BHPKFLXA28H
6	Office/Remote Name (up to thirteen characters)	BEACH PARK
7	Office/Remote Type (EO=End Office; EOT = End Office/Tandem; T=Tandem; see NOTE for valid remote types)	EO
8	Host CLLI for Remote (required for remotes only)	
9	State (up to four characters)	FL
10	Tariff Area (up to ten characters)	
11	Number of colocated Sw. Modules at remote site (range ORM: 1 - 12; RSMs 1 - 4)	1
12	ORM Mileage Type (2, 28, 36 or 100)	28
13	General Inputs	
14	Engineering and Traffic Data Current as of: (enter date as MM/YYYY)	01/2001
15	Is the office Line Equipped? (must be N for Tandem; Y for any other office or remote)	Y
16	Is the office Trunk Equipped? (must be Y for Hosts/Standalones; Y or N for remotes)	Y
17	Is the office SS7 Equipped? (Y or N; Hosts/Standalones only)	Y
18	Is the office ISDN Equipped? (Y or N; Hosts/Standalones and remotes)	Y
19	Is the office AMA Equipped? (Y or N; Hosts/Standalones only)	Y
20	Is the office TR-303 Equipped? (Y or N; Hosts/Standalones and remotes)	Y
21	Is the office Remote Equipped? (Y or N; host offices only)	N
22	HD/ABS CCS Ratio (range 1.00 - 1.30)	1.20
23	Use Intermodule Trunking Emergency Standalone Option? (Y or N; multiple SM ORMs only; Default Y)	
24	Pct. of peripheral side time slots required for network side time slots (Hosts and EXMs only; range 1-100)	100.00
25	Host: Number of NCT2 links per SM-2000 (range 2 - 20); EXMs: Number of NCT links per EXM (2 - 24)	
26	Number of SM-2000 Switching Modules (range: Hosts/Standalones 0 - 12)	1

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SCIS/MO 2.6 Data Transfer Spreadsheet

	D	E
27	Umbilical and Other Remote Data - RSMs only	
28	No. of umbilical links (T1's, not DS0 channels; see NOTE for range, or U for system-calc)	
29	Total umbilical CCS (maximum 14,515 per SM; enter U for system-calculation)	
30	Total umbilical calls (maximum 15,757 per SM; enter U for system-calculation)	
31	Net percent intra-remote CCS (range 0 - 100)	
32	Net percent intra-remote calls (range 0 - 100)	
33	Total Intracluster Intermodule CCS (RSMs with multiple SMs only; range 0 - 20,000)	
34	Number of Intracluster Links (RSMs with multiple SMs only; see NOTE for range or U)	
35	CPU / Getting Started Investment	
36	Year of Switch Cutover (Hosts/Standalones only; 1970 - 2050)	2000
37	Peak to Avg BH Factor (HD/ABS call ratio - Hosts/Standalones only; range 1.00 - 2.00)	1.3
38	Upgrade CPU before switch replacement? (Y or N; Hosts/Standalones only)	N
39	Processor Utilization (PUF; Hosts/Standalones only)	
40	Processor Type (0, 1 or 2; see NOTE for definitions)	0
41	Number of years to switch replacement (range 1 - 99)	10
42	Number of years to processor exhaust (range 1 - 99)	10
43	Processor utilization at cutover (range 0.01 - 100 percent)	6.54
44	Processor utilization in fifth year (range 0 - 100 percent)	6.54
45	Processor utilization at switch replacement (range 0 - 100 percent)	6.54
46	GS Inv Adjustments - Hosts/Standalones and Remotes	
47	RTU fees to include in GS Inv. (capitalized; 0 - 9,999,999) - Material	587978
48	RTU fees to include in GS Inv. (capitalized; 0 - 9,999,999) - Engineering	0
49	RTU fees to include in GS Inv. (capitalized; 0 - 9,999,999) - Installation	0
50	RTU Discount Type (ND=None; BO/BR=Basic Office/Remote; SW=Software)	ND
51	Other investment to include in GS Inv. (-9,999,999 - 9,999,999) - Material	0
52	Other investment to include in GS Inv. (-9,999,999 - 9,999,999) - Engineering	0
53	Other investment to include in GS Inv. (-9,999,999 - 9,999,999) - Installation	0
54	Other investment in GS Inv. - Discount Type (ND=None; BO/BR=Basic Office/Remote)	ND
55	Adjustment to replication (marginal capacity) inv. (-9,999,999 - 9,999,999) - Material	0
56	Adjustment to replication (marginal capacity) inv. (-9,999,999 - 9,999,999) - Engineering	0
57	Adjustment to replication (marginal capacity) inv. (-9,999,999 - 9,999,999) - Installation	0
58	Adj. to replication inv. - Discount Type (ND=None; BO/BR=Basic Office/Remote)	ND
97	Line Inputs	

SCIS/MO 2.6 Data Transfer Spreadsheet

	D	E
98	Analog Lines	
99	Number of Working Analog Lines (max: Host 983,040; RSM & ORM 5,120 per SM)	0
100	Administrative Fill Factor for Analog Lines (range 0.01 - 100 percent)	
101	ABSBH O+T CCS per Analog Line (range 0.01 - 36)	
102	ABSBH O+T Calls per Analog Line (range 0.01 - 50)	
103	Line Unit Concentration Ratio (enter '4:1, '6:1, '8:1, '10:1, or U)	U
104	Line Unit Coefficient of Variation (enter 0.04 - 0.20 or U)	U
105	Number of Working SM-2000 LU Analog Lines (max: Host 165,120; EXM 27,520)	0
106	Administrative Fill Factor for SM-2000 LU Analog Lines (range 0.01 - 100 percent)	
107	ABSBH O+T CCS per SM-2000 LU Analog Line (range 0.01 - 36)	
108	ABSBH O+T Calls per SM-2000 LU Analog Line (range 0.01 - 50)	
109	SM-2000 Line Unit Concentration Ratio (enter '4:1, '6:1, '8:1, '10:1, or U)	U
110	SM-2000 Line Unit Coefficient of Variation (enter 0.04 - 0.20 or U)	U
111	Number of SM-2000 AIU Analog Lines (max: Host 307,200; EXM 25,600)	21670
112	Admin. Fill Factor for SM-2000 AIU Analog Lines (range 0.01 - 100 pct)	80
113	ABSBH O+T CCS per SM-2000 AIU Analog Line (range 0.01 - 36)	4.03
114	ABSBH O+T Calls per SM-2000 AIU Analog Line (range 0.01 - 50)	2.25
115	AIU Line Concentration Ratio for POTS Lines on AIU (enter 1 OR U)	U
116	PIDBs per AIU (range 2, 4, 6, 8, 10, 12, or U)	U
117	AIUs per Cabinet (range 4 or 6)	4.00
118	SLC-96 Modes I and II on IDCU (TR-008)	
119	Number of Working IDCU Mode I Lines (max: Host 983,040; RSM & ORM 5,120 per SM)	0
120	Administrative Fill Factor for IDCU Mode I Lines (range 0.01 - 100 percent)	
121	ABSBH O+T CCS per IDCU Mode I Line (range 0.01 - 36)	
122	ABSBH O+T Calls per IDCU Mode I Line (range 0.01 - 50)	
123	IDCU Mode I Concentration Ratio (enter U or (U)X:1, see NOTE for acceptable values for X)	U
124	No. of IDCU Mode I hairpin specials (max: Host 983,040; RSM & ORM 5,120 per SM)	0
125	Number of Working IDCU Mode II Lines (max: Host 983,040; RSM & ORM 5,120 per SM)	0
126	Administrative Fill Factor for IDCU Mode II Lines (range 0.01 - 100 percent)	
127	ABSBH O+T CCS per IDCU Mode II Line (range 0.01 - 36)	
128	ABSBH O+T Calls per IDCU Mode II Line (range 0.01 - 50)	
129	IDCU Mode II Concentration Ratio (enter U or (U)X:1, see NOTE for acceptable values for X)	U
130	No. of IDCU Mode II hairpin specials (max: Host 983,040; RSM & ORM 5120 per SM)	0
131	Include T1 protection link for IDCU SLC-96 systems? (enter Y or N; Default Y)	Y

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SCIS/MO 2.6 Data Transfer Spreadsheet

	D	E
132	SM Processor Inputs	
133	SM Memory Adjustment (In Megabytes, range -8 to 32; SCIS/MO includes 32 Mb / SM)	0
134	SM RTU dollars to include per SM (0 - 999,999) - Material	0
135	SM RTU dollars to include per SM (0 - 999,999) - Engineering	0
136	SM RTU dollars to include per SM (0 - 999,999) - Installation	0
137	SM RTU Discount Type (ND=None; BO/BR=Basic Office/Remote; SW=Software)	ND
138	SM Processor HDBH Percent Utilization (range 0 - 100)	0
139	Trunk Inputs	
140	Number of Local Analog Trunks (DS0 channels; max: Hosts 98,304; RSM & ORM 512 per SM)	0
141	Administrative Fill Factor for Local Analog Trunks (range 0.01 - 100 percent)	
142	ABSBH CCS per Local Analog Trunk (range 0.01 - 36)	
143	ABSBH Outg. + Incmg. Calls per Local Analog Trunk (range 0.01 - 200)	
144	Number of Local Digital Trunks (DS0 channels - max: Hosts 92,160; RSM & ORM 480 per SM)	0
145	Administrative Fill Factor for Local Digital Trunks (range 0.01 - 100 percent)	
146	ABSBH Outg. + Incmg. CCS per Local Digital Trunk (range 0.01 - 36)	
147	ABSBH Outg. + Incmg. Calls per Local Digital Trunk (range 0.01 - 200)	
148	Number of Local SM-2000 Digital Trunks (DS0 channels - max: Host 17,280; EXM 2,880)	4824
149	Administrative Fill Factor for Local SM-2000 Digital Trunks (range 0.01 - 100 percent)	95.00
150	ABSBH Outg. + Incmg. CCS per Local SM-2000 Digital Trunk (range 0.01 - 36)	32.00
151	ABSBH Outg. + Incmg. Calls per Local SM-2000 Digital Trunk (range 0.01 - 200)	12.36
152	Number of Local DNU-SONET Trunks (DS0 channels - max: Host 72,576; EXM 12,096)	0
153	Administrative Fill Factor for Local DNU-SONET Trunks (range 0.01 - 100 percent)	
154	ABSBH Outg. + Incmg. CCS per Local DNU-SONET Trunk (range 0.01 - 36)	
155	ABSBH Outg. + Incmg. Calls per Local DNU-SONET Trunk (range 0.01 - 200)	
156	Number of Tandem Analog Trunks (DS0 channels - Host/Standalone only; max 98,304)	0
157	Administrative Fill Factor for Tandem Analog Trunks (range 0.01 - 100 percent)	
158	ABSBH Outg. + Incmg. CCS per Tandem Analog Trunk (range 0-36)	
159	ABSBH Outg. + Incmg. Calls per Tandem Analog Trunk (range 0-200)	
160	Number of Tandem Digital Trunks (DS0 channels; Hosts/Standalone only; max 92,160)	0
161	Administrative Fill Factor for Tandem Digital Trunks (range 0.01 - 100 percent)	
162	ABSBH Outg. + Incmg. CCS per Tandem Digital Trunk (range 0.01 - 36)	
163	ABSBH Outg. + Incmg. Calls per Tandem Digital Trunk (range 0.01 - 200)	

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	D	E
164	Number of Tandem SM-2000 Digital Trunks (DS0 channels; Hosts/Standalone only; max 17,280)	0
165	Administrative Fill Factor for Tandem SM-2000 Digital Trunks (range 0.01 - 100 percent)	95.00
166	ABSBH Outg. + Incmg. CCS per Tandem SM-2000 Digital Trunk (range 0.01 - 36)	0.00
167	ABSBH Outg. + Incmg. Calls per Tandem SM-2000 Digital Trunk (range 0.01 - 200)	0.00
168	Number of Tandem DNU-SONET Trunks (DS0 channels; Hosts/Standalone only; max 17,280)	0
169	Administrative Fill Factor for Tandem DNU-SONET Trunks (range 0.01 - 100 percent)	
170	ABSBH Outg. + Incmg. CCS per Tandem DNU-SONET Trunk (range 0.01 - 36)	
171	ABSBH Outg. + Incmg. Calls per Tandem DNU-SONET Trunk (range 0.01 - 200)	
172	SS7 Inputs (Hosts/Standalones only)	
173	Calendar year of initial SS7 installation (range 1980 - 2050)	2000
174	Economic life, in years, of SS7 link termination equipment (range 1- 99)	10
175	Include DLN30 processor with first SS7 link pair? (Y or N)	N
176	Year of Initial installation (Preset to calendar year of initial SS7 installation)	2000
177	Initial Number of Link Pairs (maximum total link pairs: 19)	1
178	Percent utilization at initial installation (range 0.01 - 100)	40
179	Year of first upgrade	
180	First upgrade - link pairs added (maximum total link pairs: 19)	
181	Percent utilization at time of first upgrade (range 0 - 100)	
182	Year of second upgrade	
183	Second upgrade - link pairs added (maximum total link pairs: 19)	
184	Percent utilization at time of second upgrade (range 0 - 100)	
185	Year of third upgrade	
186	Third upgrade - link pairs added (maximum total link pairs: 19)	
187	Percent utilization at time of third upgrade (range 0 - 100)	
188	Percent utilization at end of SS7 economic life (range 0-100)	40
189	TR-303 Inputs - Hosts/Standalones and Remotes	
190	Number of POTS Lines on standard SMs (max: Host 393,216; RSM & ORM 8,191 per SM)	0
191	Number of POTS Lines on SM2000 (max: Host 345,600; EXM 28,800)	5228
192	ABSBH O+T CCS per POTS line (range 0.01 - 36)	4.03
193	ABSBH O+T Calls per POTS Line (range 0.01 - 50)	2.25
194	Percent of O+T POTS Calls that are feature calls (range 0 - 100)	20
195	Administrative Fill Factor for TR-303 Lines (range 0.01 - 100)	80.00

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	D	E
196	Number of hairpin special service lines on std. SMs (max: Host 393,216; RSM & ORM 8,191 per SM)	0
197	Total T1s from TR-303 RDTs terminating on IDCU on std. SMs (min: 2 - max: Host 7,680; RSM & ORM 40 per SM)	
198	Number of hairpin special service lines on SM2000 (max: Host 345,600; EXM 28,800)	0
199	Total T1s from TR-303 RDTs terminating on IDCU on SM2000 (max: Host 14,400; EXM 1,200)	
200	DS1s per IDCU (20 or 40)	40
201	TR-303 Remote Digital Terminal Line Concentration Ratio on std. SMs (range 1 - 50 or U)	U
202	Number of TR-303 Remote Digital Terminals on std. SMs (max: Host 5,952; RSM & ORM 31 per SM)	
203	Number of PIDBs per IDCU on standard SMs (range 2-15 or U)	2
204	TR-303 Remote Digital Terminal Line Concentration Ratio on SM2000 (range 1 - 50 or U)	U
205	Number of TR-303 Remote Digital Terminals on SM2000 (max: Host 2,880; EXM 240)	
206	Number of PIDBs per IDCU on SM2000 (range 2-16 or U)	2
207	Number of ISDN BRI lines on standard SMs (max: Host 393,216; RSM & ORM 3,840 per SM)	0
208	Number of ISDN BRI lines on SM2000 (max: Host 46,080; EXM 3,840)	0
209	ABSBH O+T CCS per BRI Line (range 0.01 - 72)	
210	ABSBH O+T Calls per BRI Line (range 0.01 - 50)	
211	Percent of O+T BRI Calls that are feature calls (range 0 - 100)	20
212	Packets Per Second (PPS) per BRI D-Channel (range 0.02 - 8)	0.02
213	Number of Permanent Packet B (PPB) data channels on std. SMs (max: 2 per std. SM ISDN Line)	0
214	Number of Permanent Packet B (PPB) data channels on SM2000 (max: 2 per SM2000 ISDN Line)	0
215	Packets per Second (PPS) per PPB (range 0 - 32)	
216	Number of ODB channels on standard SMs (max: 2 per std. SM ISDN Line)	0
217	Number of ODB channels on SM2000 (max: 2 per SM2000 ISDN Line)	0
218	ABSBH O+T CCS per ODB user (range 0.01 - 22.5)	
219	Packets per Second (PPS) per ODB user (range 0 - 32)	
220	ISDN Inputs - Hosts/Standalones and Remotes	
221	5ESS General Inputs	

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	D	E
222	Total Inter-Switching Module PPS from standard SMs - Host (0 - 999,999) and ORM (0-24,000) only	
223	Total Inter-Switching Module PPS from SM2000 - Host (0 - 999,999) and EXM (0-24,000) only	
224	Total Intracluster PPS (RSMs only; maximum 24,000 * (No. of SMs -1))	
225	Total Umbilical PPS (RSMs only; maximum 15,232 per SM)	
226	Mix BRI and Z cards in the same ISLUs? (not applicable to RSM and ORM with 1 SM, EXM; enter Y or N)	Y
227	D-Channel Protocol Handler type for standard SMs (enter PH3)	
228	Permanent Packet B Protocol Handler type for standard SMs (enter PH3)	
229	On-Demand B Packet Protocol Handler type for standard SMs (enter PH3)	
230	Primary Rate Interface Protocol Handler type for standard SMs (enter PH2 or PH3)	
231	Packet Trunking Protocol Handler type for standard SMs (Hosts only; enter PH3)	
232	Inter-SM Protocol Handler type for standard SMs (Hosts and ORMs only; enter PH3)	
233	Umbilical/Intracluster PH type for standard SMs (RSMs only; enter PH3)	
234	XAT Protocol Handler type for standard SMs (enter PH3)	
235	Basic Rate Interface (BRI) on Non-DLC (ISLUs)	
236	No. of lines terminating on U Cards on standard SMs (max: Host 393,216; RSM & ORM 2,048 per SM)	0
237	No. of lines terminating on T Cards on standard SMs (max: Host 393,216; RSM & ORM 2,048 per SM)	0
238	No. of lines terminating on U Cards on SM2000 (max: Host 46,080; EXM 3,840)	658
239	No. of lines terminating on T Cards on SM2000 (max: Host 46,080; EXM 3,840)	0
240	BRI Administrative Fill Factor (range 0.01 - 100 percent)	95
241	ABSBH Orig. + Term. CCS per BRI Line (range 0.01 - 72)	9.01
242	ABSBH Orig. + Term. Calls per BRI Line (range 0.01 - 50)	3.87
243	Percent of Orig. + Term. BRI calls that are feature calls (range 0 - 100)	20
244	Packets Per Second (PPS) per BRI D-Channel (range 0.02 - 8)	0.3
245	No. of PIDBs per ISLU on standard SMs (range 2-16 or U)	
246	No. of PIDBs per ISLU2 on SM2000 (range 2 -16 or U)	
247	Non-DLC BRI Permanent Packet B	
248	Number of PPB channels served by U and T cards on standard SM (see NOTE for max)	0
249	Number of PPB channels served by U and T cards on SM2000 (see NOTE for max)	8
250	Packets per Second (PPS) per PPB (range 0.01 - 32)	32
251	Non-DLC BRI On-Demand B:	

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	D	E
252	Number of ODB channels served by U and T cards on standard SM (max: 2 * (U Lines + T Lines on std SM))	0
253	Number of ODB channels served by U and T cards on SM2000 (max: 2 * (U Lines + T Lines on SM2K))	0
254	ABSBH Orig. + Term. CCS per ODB user (range 0.00 - 22.5)	
255	Packets per Second (PPS) per ODB user (range 0.01 - 32)	
256	Analog Lines on Z-ISLUs (Z cards)	
257	No. Analog Lines on Z Cards (max: Host 491,520; RSM & ORM 2,560 per SM)	0
258	Z Card Administrative Fill Factor (if no SM with BRI/Z mix; range 0.01 - 100 percent)	
259	ABSBH Orig. + Term. CCS per Analog Line on Z Cards (range 0.01 - 36)	
260	ABSBH Orig. + Term. Calls per Analog Line on Z Cards (range 0.01 - 50)	
261	Percent of Orig. + Term. Z Card calls that are feature calls (range 0 - 100)	
262	PIDBs per Z-ISLU (range 2 - 24 or U)	
263	Basic Rate Interface (BRI) on SM-2000 AIU (Host and EXM only)	
264	Number of BRI Lines on SM-2000 AIU (Max: Host 46,080; EXM 3,840)	0
265	Administrative Fill Factor for AIU BRI Lines (range: 0.01 - 100)	
266	ABSBH Orig.+Term. CCS per AIU BRI Line (range 0.01 - 72)	
267	ABSBH Orig.+Term. Calls per AIU BRI Line (range 0.01 - 50)	
268	Packets Per Second (PPS) per AIU BRI D-Channel (range 0.02 - 8)	
269	Number of PIDBs per AIU for BRI Lines (range: 2 - 6, or U)	U
270	Percent of Orig.+Term. AIU BRI Calls that are feature calls (range 0 - 100)	
271	Number of PPB channels for AIU BRI Lines (range: 0 - Rounddown(0.05 * No. of AIU BRI Lines))	
272	Packets per Second (PPS) per Permanent Packet B (PPB) data channel (range 0.01 - 32)	
273	Number of On-Demand B (ODB) Channels for AIU BRI Lines (range: 0 - No. of AIU BRI Lines)	
274	ABSBH Orig.+Term. CCS per On-Demand B (ODB) User (range: 0.01 - 22.5)	
275	Packets per Second (PPS) per On-Demand B (ODB) User (range 0.01 - 32)	
276	AIU BRI Line Concentration Ratio (enter U)	U
277	Primary Rate Interface (PRI)	
278	Number of PRI - DLTU2 on standard SM (max: Host 3,840; RSM & ORM 20 per SM)	0
279	Number of T1's per PRI D channel - DLTU2 on standard SMs (range 1 - 20)	1
280	Number of PRI - DLTU2 on SM2000 (max: Hosts 1,536; EXMs 128)	88
281	Number of PRI - DNUS on SM2000 (max: Hosts 1,536; EXMs 128)	0

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	D	E
282	Number of T1's per PRI D channel - DLTU2 & DNUS on SM2000 (range: Host 1 - 1,440; EXM 1 - 120)	1
283	ABSBH Originating + Terminating Calls per PRI (range 0 - 460)	230.00
284	Percent of Originating + Terminating PRI calls that are originating (range 0 - 100)	50.00
285	Packet Trunking	
286	Number of X.75 trunks - DLTU2 on standard SM (Hosts only; range 0 - 6,120)	0
287	Number of X.75 trunks - DLTU2 on SM2000 (Hosts only; range 0 - 5,760)	0
288	Number of X.75 trunks - DNUS on SM2000 (Hosts only; range 0 - 5,760)	0
289	Packets per Second (PPS) per X.75 trunk (Hosts/Standalones only; range 0.01 - 32)	
290	ABSBH Outgoing + Incoming Calls per X.75 Trunk (Hosts/Standalones only; range 0.01 - 200)	
291	Number of X.75' trunks - DLTU2 on standard SM (Hosts only; range 0 - 24)	0
292	Number of X.75' trunks - DLTU2 on SM2000 (Hosts only; range 0 - 5,760)	0
293	Number of X.75' trunks - DNUS on SM2000 (Hosts only; range 0 - 5,760)	0
294	Packets per Second (PPS) per X.75' trunk (Hosts/Standalones only; range 0.01 - 32)	
295	ABSBH Outgoing + Incoming Calls per X.75' Trunk (Hosts/Standalones only; range 0.01 - 200)	
296	Num. of Internal Protocol trunks - DLTU2 on standard SMs (Hosts only; range 0 - 512)	0
297	Number of Internal Protocol trunks - DLTU2 on SM2000 (Hosts only; range 0 - 5,760)	0
298	Number of Internal Protocol trunks - DNUS on SM2000 (Hosts only; range 0 - 5,760)	0
299	Packets per Second (PPS) per Internal Protocol trunk (Hosts/Standalones only; range 0.01 - 32)	
300	ABSBH Outgoing + Incoming Calls per Internal Protocol Trunk (Hosts/Standalones only; 0.01 - 200)	
301	No. of XAT trunks - DLTU2 on std. SM (max: Host 1,000; RSM & ORM 480/SM, cannot exceed 1,000)	0
302	No. of XAT trunks - DLTU2 on SM2000 (max: Host 7,680; EXM 640)	0
303	No. of XAT trunks - DNUS on SM2000 (max: Host 7,680; EXM 640)	0
304	Packets per Second (PPS) per XAT trunk (range 0.01 - 32)	
305	ABSBH Outgoing + Incoming Calls per XAT Trunk (range 0.01 - 200)	

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	1	2	3	4	5	6	7	8	9	10	11	12
ESSREM1	ESSREM2	ESSREM3	ESSREM4	ESSREM5	ESSREM6	ESSREM7	ESSREM8	ESSREM9	ESSREM10	ESSREM11	ESSREM12	
ESSHST1	ESSHST2	ESSHST3	ESSHST4	ESSHST5	ESSHST6	ESSHST7	ESSHST8	ESSHST9	ESSHST10	ESSHST11	ESSHST12	
DH_HST1	DH_HST2	DH_HST3	DH_HST4	DH_HST5	DH_HST6	DH_HST7	DH_HST8	DH_HST9	DH_HST10	DH_HST11	DH_HST12	
DT_HST1	DT_HST2	DT_HST3	DT_HST4	DT_HST5	DT_HST6	DT_HST7	DT_HST8	DT_HST9	DT_HST10	DT_HST11	DT_HST12	
DH_REM1	DH_REM2	DH_REM3	DH_REM4	DH_REM5	DH_REM6	DH_REM7	DH_REM8	DH_REM9	DH_REM10	DH_REM11	DH_REM12	
DT_REM1	DT_REM2	DT_REM3	DT_REM4	DT_REM5	DT_REM6	DT_REM7	DT_REM8	DT_REM9	DT_REM10	DT_REM11	DT_REM12	

ESSREM
 ESSHST
 DH_HST
 DT_HST
 DH_REM
 DT_REM

	13	14	15	16	17	18	19	20	21	22	23
ESSREM13	ESSREM14	ESSREM15	ESSREM16	ESSREM17	ESSREM18	ESSREM19	ESSREM20	ESSREM21	ESSREM22	ESSREM23	
ESSHST13	ESSHST14	ESSHST15	ESSHST16	ESSHST17	ESSHST18	ESSHST19	ESSHST20	ESSHST21	ESSHST22	ESSHST23	
DH_HST13	DH_HST14	DH_HST15	DH_HST16	DH_HST17	DH_HST18	DH_HST19	DH_HST20	DH_HST21	DH_HST22	DH_HST23	
DT_HST13	DT_HST14	DT_HST15	DT_HST16	DT_HST17	DT_HST18	DT_HST19	DT_HST20	DT_HST21	DT_HST22	DT_HST23	
DH_REM13	DH_REM14	DH_REM15	DH_REM16	DH_REM17	DH_REM18	DH_REM19	DH_REM20	DH_REM21	DH_REM22	DH_REM23	
DT_REM13	DT_REM14	DT_REM15	DT_REM16	DT_REM17	DT_REM18	DT_REM19	DT_REM20	DT_REM21	DT_REM22	DT_REM23	

	24	25	26	27	28	29	30	31	32	33	34
ESSREM24	ESSREM25	ESSREM26	ESSREM27	ESSREM28	ESSREM29	ESSREM30	ESSREM31	ESSREM32	ESSREM33	ESSREM34	
ESSHST24	ESSHST25	ESSHST26	ESSHST27	ESSHST28	ESSHST29	ESSHST30	ESSHST31	ESSHST32	ESSHST33	ESSHST34	
DH_HST24	DH_HST25	DH_HST26	DH_HST27	DH_HST28	DH_HST29	DH_HST30	DH_HST31	DH_HST32	DH_HST33	DH_HST34	
DT_HST24	DT_HST25	DT_HST26	DT_HST27	DT_HST28	DT_HST29	DT_HST30	DT_HST31	DT_HST32	DT_HST33	DT_HST34	
DH_REM24	DH_REM25	DH_REM26	DH_REM27	DH_REM28	DH_REM29	DH_REM30	DH_REM31	DH_REM32	DH_REM33	DH_REM34	
DT_REM24	DT_REM25	DT_REM26	DT_REM27	DT_REM28	DT_REM29	DT_REM30	DT_REM31	DT_REM32	DT_REM33	DT_REM34	

	35	36	37	38	39	40	41	42	43	44	45
ESSREM35	ESSREM36	ESSREM37	ESSREM38	ESSREM39	ESSREM40	ESSREM41	ESSREM42	ESSREM43	ESSREM44	ESSREM45	
ESSHST35	ESSHST36	ESSHST37	ESSHST38	ESSHST39	ESSHST40	ESSHST41	ESSHST42	ESSHST43	ESSHST44	ESSHST45	
DH_HST35	DH_HST36	DH_HST37	DH_HST38	DH_HST39	DH_HST40	DH_HST41	DH_HST42	DH_HST43	DH_HST44	DH_HST45	
DT_HST35	DT_HST36	DT_HST37	DT_HST38	DT_HST39	DT_HST40	DT_HST41	DT_HST42	DT_HST43	DT_HST44	DT_HST45	
DH_REM35	DH_REM36	DH_REM37	DH_REM38	DH_REM39	DH_REM40	DH_REM41	DH_REM42	DH_REM43	DH_REM44	DH_REM45	
DT_REM35	DT_REM36	DT_REM37	DT_REM38	DT_REM39	DT_REM40	DT_REM41	DT_REM42	DT_REM43	DT_REM44	DT_REM45	

46	47	48	49	50	51	52	53	54	55	56
ESSREM46	ESSREM47	ESSREM48	ESSREM49	ESSREM50	ESSREM51	ESSREM52	ESSREM53	ESSREM54	ESSREM55	ESSREM56
ESSHST46	ESSHST47	ESSHST48	ESSHST49	ESSHST50	ESSHST51	ESSHST52	ESSHST53	ESSHST54	ESSHST55	ESSHST56
DH_HST46	DH_HST47	DH_HST48	DH_HST49	DH_HST50	DH_HST51	DH_HST52	DH_HST53	DH_HST54	DH_HST55	DH_HST56
DT_HST46	DT_HST47	DT_HST48	DT_HST49	DT_HST50	DT_HST51	DT_HST52	DT_HST53	DT_HST54	DT_HST55	DT_HST56
DH_REM46	DH_REM47	DH_REM48	DH_REM49	DH_REM50	DH_REM51	DH_REM52	DH_REM53	DH_REM54	DH_REM55	DH_REM56
DT_REM46	DT_REM47	DT_REM48	DT_REM49	DT_REM50	DT_REM51	DT_REM52	DT_REM53	DT_REM54	DT_REM55	DT_REM56

57	58	59	60	61	62	63	64	65	66	67
ESSREM57	ESSREM58	ESSREM59	ESSREM60	ESSREM61	ESSREM62	ESSREM63	ESSREM64	ESSREM65	ESSREM66	ESSREM67
ESSHST57	ESSHST58	ESSHST59	ESSHST60	ESSHST61	ESSHST62	ESSHST63	ESSHST64	ESSHST65	ESSHST66	ESSHST67
DH_HST57	DH_HST58	DH_HST59	DH_HST60	DH_HST61	DH_HST62	DH_HST63	DH_HST64	DH_HST65	DH_HST66	DH_HST67
DT_HST57	DT_HST58	DT_HST59	DT_HST60	DT_HST61	DT_HST62	DT_HST63	DT_HST64	DT_HST65	DT_HST66	DT_HST67
DH_REM57	DH_REM58	DH_REM59	DH_REM60	DH_REM61	DH_REM62	DH_REM63	DH_REM64	DH_REM65	DH_REM66	DH_REM67
DT_REM57	DT_REM58	DT_REM59	DT_REM60	DT_REM61	DT_REM62	DT_REM63	DT_REM64	DT_REM65	DT_REM66	DT_REM67

68	69	70	71	72	73	74	75	76	77	78
ESSREM68	ESSREM69	ESSREM70	ESSREM71	ESSREM72	ESSREM73	ESSREM74	ESSREM75	ESSREM76	ESSREM77	ESSREM78
ESSHST68	ESSHST69	ESSHST70	ESSHST71	ESSHST72	ESSHST73	ESSHST74	ESSHST75	ESSHST76	ESSHST77	ESSHST78
DH_HST68	DH_HST69	DH_HST70	DH_HST71	DH_HST72	DH_HST73	DH_HST74	DH_HST75	DH_HST76	DH_HST77	DH_HST78
DT_HST68	DT_HST69	DT_HST70	DT_HST71	DT_HST72	DT_HST73	DT_HST74	DT_HST75	DT_HST76	DT_HST77	DT_HST78
DH_REM68	DH_REM69	DH_REM70	DH_REM71	DH_REM72	DH_REM73	DH_REM74	DH_REM75	DH_REM76	DH_REM77	DH_REM78
DT_REM68	DT_REM69	DT_REM70	DT_REM71	DT_REM72	DT_REM73	DT_REM74	DT_REM75	DT_REM76	DT_REM77	DT_REM78

	79	80	81	82	83	84	85	86	87	88	89
ESSREM79	ESSREM80	ESSREM81	ESSREM82	ESSREM83	ESSREM84	ESSREM85	ESSREM86	ESSREM87	ESSREM88	ESSREM89	
ESSHST79	ESSHST80	ESSHST81	ESSHST82	ESSHST83	ESSHST84	ESSHST85	ESSHST86	ESSHST87	ESSHST88	ESSHST89	
DH_HST79	DH_HST80	DH_HST81	DH_HST82	DH_HST83	DH_HST84	DH_HST85	DH_HST86	DH_HST87	DH_HST88	DH_HST89	
DT_HST79	DT_HST80	DT_HST81	DT_HST82	DT_HST83	DT_HST84	DT_HST85	DT_HST86	DT_HST87	DT_HST88	DT_HST89	
DH_REM79	DH_REM80	DH_REM81	DH_REM82	DH_REM83	DH_REM84	DH_REM85	DH_REM86	DH_REM87	DH_REM88	DH_REM89	
DT_REM79	DT_REM80	DT_REM81	DT_REM82	DT_REM83	DT_REM84	DT_REM85	DT_REM86	DT_REM87	DT_REM88	DT_REM89	

	90	91	92	93	94	95	96	97	98	99	100
ESSREM90	ESSREM91	ESSREM92	ESSREM93	ESSREM94	ESSREM95	ESSREM96	ESSREM97	ESSREM98	ESSREM99	ESSREM100	
ESSHST90	ESSHST91	ESSHST92	ESSHST93	ESSHST94	ESSHST95	ESSHST96	ESSHST97	ESSHST98	ESSHST99	ESSHST100	
DH_HST90	DH_HST91	DH_HST92	DH_HST93	DH_HST94	DH_HST95	DH_HST96	DH_HST97	DH_HST98	DH_HST99	DH_HST100	
DT_HST90	DT_HST91	DT_HST92	DT_HST93	DT_HST94	DT_HST95	DT_HST96	DT_HST97	DT_HST98	DT_HST99	DT_HST100	
DH_REM90	DH_REM91	DH_REM92	DH_REM93	DH_REM94	DH_REM95	DH_REM96	DH_REM97	DH_REM98	DH_REM99	DH_REM100	
DT_REM90	DT_REM91	DT_REM92	DT_REM93	DT_REM94	DT_REM95	DT_REM96	DT_REM97	DT_REM98	DT_REM99	DT_REM100	

	101	102	103	104	105	106	107	108	109	110
ESSREM101	ESSREM102	ESSREM103	ESSREM104	ESSREM105	ESSREM106	ESSREM107	ESSREM108	ESSREM109	ESSREM110	
ESSHST101	ESSHST102	ESSHST103	ESSHST104	ESSHST105	ESSHST106	ESSHST107	ESSHST108	ESSHST109	ESSHST110	
DH_HST101	DH_HST102	DH_HST103	DH_HST104	DH_HST105	DH_HST106	DH_HST107	DH_HST108	DH_HST109	DH_HST110	
DT_HST101	DT_HST102	DT_HST103	DT_HST104	DT_HST105	DT_HST106	DT_HST107	DT_HST108	DT_HST109	DT_HST110	
DH_REM101	DH_REM102	DH_REM103	DH_REM104	DH_REM105	DH_REM106	DH_REM107	DH_REM108	DH_REM109	DH_REM110	
DT_REM101	DT_REM102	DT_REM103	DT_REM104	DT_REM105	DT_REM106	DT_REM107	DT_REM108	DT_REM109	DT_REM110	

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	111	112	113	114	115	116	117	118	119	120
ESSREM111	ESSREM112	ESSREM113	ESSREM114	ESSREM115	ESSREM116	ESSREM117	ESSREM118	ESSREM119	ESSREM120	
ESSHST111	ESSHST112	ESSHST113	ESSHST114	ESSHST115	ESSHST116	ESSHST117	ESSHST118	ESSHST119	ESSHST120	
DH_HST111	DH_HST112	DH_HST113	DH_HST114	DH_HST115	DH_HST116	DH_HST117	DH_HST118	DH_HST119	DH_HST120	
DT_HST111	DT_HST112	DT_HST113	DT_HST114	DT_HST115	DT_HST116	DT_HST117	DT_HST118	DT_HST119	DT_HST120	
DH_REM111	DH_REM112	DH_REM113	DH_REM114	DH_REM115	DH_REM116	DH_REM117	DH_REM118	DH_REM119	DH_REM120	
DT_REM111	DT_REM112	DT_REM113	DT_REM114	DT_REM115	DT_REM116	DT_REM117	DT_REM118	DT_REM119	DT_REM120	

	121	122	123	124	125	126	127	128	129	130
ESSREM121	ESSREM122	ESSREM123	ESSREM124	ESSREM125	ESSREM126	ESSREM127	ESSREM128	ESSREM129	ESSREM130	
ESSHST121	ESSHST122	ESSHST123	ESSHST124	ESSHST125	ESSHST126	ESSHST127	ESSHST128	ESSHST129	ESSHST130	
DH_HST121	DH_HST122	DH_HST123	DH_HST124	DH_HST125	DH_HST126	DH_HST127	DH_HST128	DH_HST129	DH_HST130	
DT_HST121	DT_HST122	DT_HST123	DT_HST124	DT_HST125	DT_HST126	DT_HST127	DT_HST128	DT_HST129	DT_HST130	
DH_REM121	DH_REM122	DH_REM123	DH_REM124	DH_REM125	DH_REM126	DH_REM127	DH_REM128	DH_REM129	DH_REM130	
DT_REM121	DT_REM122	DT_REM123	DT_REM124	DT_REM125	DT_REM126	DT_REM127	DT_REM128	DT_REM129	DT_REM130	

131	132	133	134	135	136	137	138	139	140
ESSREM131	ESSREM132	ESSREM133	ESSREM134	ESSREM135	ESSREM136	ESSREM137	ESSREM138	ESSREM139	ESSREM140
ESSHST131	ESSHST132	ESSHST133	ESSHST134	ESSHST135	ESSHST136	ESSHST137	ESSHST138	ESSHST139	ESSHST140
DH_HST131	DH_HST132	DH_HST133	DH_HST134	DH_HST135	DH_HST136	DH_HST137	DH_HST138	DH_HST139	DH_HST140
DT_HST131	DT_HST132	DT_HST133	DT_HST134	DT_HST135	DT_HST136	DT_HST137	DT_HST138	DT_HST139	DT_HST140
DH_REM131	DH_REM132	DH_REM133	DH_REM134	DH_REM135	DH_REM136	DH_REM137	DH_REM138	DH_REM139	DH_REM140
DT_REM131	DT_REM132	DT_REM133	DT_REM134	DT_REM135	DT_REM136	DT_REM137	DT_REM138	DT_REM139	DT_REM140

141	142	143	144	145	146	147	148	149	150
ESSREM141	ESSREM142	ESSREM143	ESSREM144	ESSREM145	ESSREM146	ESSREM147	ESSREM148	ESSREM149	ESSREM150
ESSHST141	ESSHST142	ESSHST143	ESSHST144	ESSHST145	ESSHST146	ESSHST147	ESSHST148	ESSHST149	ESSHST150
DH_HST141	DH_HST142	DH_HST143	DH_HST144	DH_HST145	DH_HST146	DH_HST147	DH_HST148	DH_HST149	DH_HST150
DT_HST141	DT_HST142	DT_HST143	DT_HST144	DT_HST145	DT_HST146	DT_HST147	DT_HST148	DT_HST149	DT_HST150
DH_REM141	DH_REM142	DH_REM143	DH_REM144	DH_REM145	DH_REM146	DH_REM147	DH_REM148	DH_REM149	DH_REM150
DT_REM141	DT_REM142	DT_REM143	DT_REM144	DT_REM145	DT_REM146	DT_REM147	DT_REM148	DT_REM149	DT_REM150

SCIS/MO 2.6 DATA TRANSFER SPREADSHEET

	D	E
1	SCIS/MO 2.6 DATA TRANSFER SPREADSHEET	5ESS OFFICE
2	Ctrl-R: set input categories for download Ctrl-S: download inputs by Subset Ctrl-T: download inputs by Office Ctrl-P: download partial offices and remotes	BHPKFLXA28H
3	Node Definition Inputs	
4	5ESS	ESSHST1
5	Office/Remote CLLI (up to eleven characters; cannot be blank)	BHPKFLXA28H
6	Office/Remote Name (up to thirteen characters)	BEACH PARK
7	Office/Remote Type (EO=End Office; EOT = End Office/Tandem; T=Tandem; see NOTE for valid remote types)	EO
8	Host CLLI for Remote (required for remotes only)	
9	State (up to four characters)	FL
10	Tariff Area (up to ten characters)	
11	Number of colocated Sw. Modules at remote site (range ORMs: 1 - 12; RSMs 1 - 4)	1
12	ORM Mileage Type (2, 28, 36 or 100)	28
13	General Inputs	
14	Engineering and Traffic Data Current as of: (enter date as MM/YYYY)	01/2001
15	Is the office Line Equipped? (must be N for Tandem; Y for any other office or remote)	Y
16	Is the office Trunk Equipped? (must be Y for Hosts/Standalones; Y or N for remotes)	Y
17	Is the office SS7 Equipped? (Y or N; Hosts/Standalones only)	Y
18	Is the office ISDN Equipped? (Y or N; Hosts/Standalones and remotes)	Y
19	Is the office AMA Equipped? (Y or N; Hosts/Standalones only)	Y
20	Is the office TR-303 Equipped? (Y or N; Hosts/Standalones and remotes)	Y
21	Is the office Remote Equipped? (Y or N; host offices only)	N
22	HD/ABS CCS Ratio (range 1.00 - 1.30)	1.20
23	Use Intermodule Trunking Emergency Standalone Option? (Y or N; multiple SM ORMs only; Default Y)	
24	Pct. of peripheral side time slots required for network side time slots (Hosts and EXMs only; range 1-100)	100.00
25	Host: Number of NCT2 links per SM-2000 (range 2 - 20); EXMs: Number of NCT links per EXM (2 - 24)	
26	Number of SM-2000 Switching Modules (range: Hosts/Standalones 0 - 12)	1

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SCIS/MO 2.6 DATA TRANSFER SPREADSHEET

	D	E
27	Umbilical and Other Remote Data - RSMs only	
28	No. of umbilical links (T1's, not DS0 channels; see NOTE for range, or U for system-calc)	
29	Total umbilical CCS (maximum 14,515 per SM; enter U for system-calculation)	
30	Total umbilical calls (maximum 15,757 per SM; enter U for system-calculation)	
31	Net percent intra-remote CCS (range 0 - 100)	
32	Net percent intra-remote calls (range 0 - 100)	
33	Total Intracluster Intermodule CCS (RSMs with multiple SMs only; range 0 - 20,000)	
34	Number of Intracluster Links (RSMs with multiple SMs only; see NOTE for range or U)	
35	CPU / Getting Started Investment	
36	Year of Switch Cutover (Hosts/Standalones only; 1970 - 2050)	2000
37	Peak to Avg BH Factor (HD/ABS call ratio - Hosts/Standalones only; range 1.00 - 2.00)	1.3
38	Upgrade CPU before switch replacement? (Y or N; Hosts/Standalones only)	N
39	Processor Utilization (PUF; Hosts/Standalones only)	
40	Processor Type (0, 1 or 2; see NOTE for definitions)	0
41	Number of years to switch replacement (range 1 - 99)	10
42	Number of years to processor exhaust (range 1 - 99)	10
43	Processor utilization at cutover (range 0.01 - 100 percent)	6.54
44	Processor utilization in fifth year (range 0 - 100 percent)	6.54
45	Processor utilization at switch replacement (range 0 - 100 percent)	6.54
46	GS Inv Adjustments - Hosts/Standalones and Remotes	
47	RTU fees to include in GS Inv. (capitalized; 0 - 9,999,999) - Material	587978
48	RTU fees to include in GS Inv. (capitalized; 0 - 9,999,999) - Engineering	0
49	RTU fees to include in GS Inv. (capitalized; 0 - 9,999,999) - Installation	0
50	RTU Discount Type (ND=None; BO/BR=Basic Office/Remote; SW=Software)	ND
51	Other investment to include in GS Inv. (-9,999,999 - 9,999,999) - Material	0
52	Other investment to include in GS Inv. (-9,999,999 - 9,999,999) - Engineering	0
53	Other investment to include in GS Inv. (-9,999,999 - 9,999,999) - Installation	0
54	Other investment in GS Inv. - Discount Type (ND=None; BO/BR=Basic Office/Remote)	ND
55	Adjustment to replication (marginal capacity) inv. (-9,999,999 - 9,999,999) - Material	0
56	Adjustment to replication (marginal capacity) inv. (-9,999,999 - 9,999,999) - Engineering	0
57	Adjustment to replication (marginal capacity) inv. (-9,999,999 - 9,999,999) - Installation	0
58	Adj. to replication inv. - Discount Type (ND=None; BO/BR=Basic Office/Remote)	ND
97	Line Inputs	
98	Analog Lines	

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SCIS/MO 2.6 DATA TRANSFER SPREADSHEET

	D	E
99	Number of Working Analog Lines (max: Host 983,040; RSM & ORM 5,120 per SM)	0
100	Administrative Fill Factor for Analog Lines (range 0.01 - 100 percent)	
101	ABSBH O+T CCS per Analog Line (range 0.01 - 36)	
102	ABSBH O+T Calls per Analog Line (range 0.01 - 50)	
103	Line Unit Concentration Ratio (enter '4:1, '6:1, '8:1, '10:1, or U)	U
104	Line Unit Coefficient of Variation (enter 0.04 - 0.20 or U)	U
105	Number of Working SM-2000 LU Analog Lines (max: Host 165,120; EXM 27,520)	0
106	Administrative Fill Factor for SM-2000 LU Analog Lines (range 0.01 - 100 percent)	
107	ABSBH O+T CCS per SM-2000 LU Analog Line (range 0.01 - 36)	
108	ABSBH O+T Calls per SM-2000 LU Analog Line (range 0.01 - 50)	
109	SM-2000 Line Unit Concentration Ratio (enter '4:1, '6:1, '8:1, '10:1, or U)	U
110	SM-2000 Line Unit Coefficient of Variation (enter 0.04 - 0.20 or U)	U
111	Number of SM-2000 AIU Analog Lines (max: Host 307,200; EXM 25,600)	26898
112	Admin. Fill Factor for SM-2000 AIU Analog Lines (range 0.01 - 100 pct)	80
113	ABSBH O+T CCS per SM-2000 AIU Analog Line (range 0.01 - 36)	4.03
114	ABSBH O+T Calls per SM-2000 AIU Analog Line (range 0.01 - 50)	2.25
115	AIU Line Concentration Ratio for POTS Lines on AIU (enter 1 OR U)	U
116	PIDBs per AIU (range 2, 4, 6, 8, 10, 12, or U)	U
117	AIUs per Cabinet (range 4 or 6)	4.00
118	SLC-96 Modes I and II on IDCU (TR-008)	
119	Number of Working IDCU Mode I Lines (max: Host 983,040; RSM & ORM 5,120 per SM)	0
120	Administrative Fill Factor for IDCU Mode I Lines (range 0.01 - 100 percent)	
121	ABSBH O+T CCS per IDCU Mode I Line (range 0.01 - 36)	
122	ABSBH O+T Calls per IDCU Mode I Line (range 0.01 - 50)	
123	IDCU Mode I Concentration Ratio (enter U or (U)X:1, see NOTE for acceptable values for X)	U
124	No. of IDCU Mode I hairpin specials (max: Host 983,040; RSM & ORM 5,120 per SM)	0
125	Number of Working IDCU Mode II Lines (max: Host 983,040; RSM & ORM 5,120 per SM)	0
126	Administrative Fill Factor for IDCU Mode II Lines (range 0.01 - 100 percent)	
127	ABSBH O+T CCS per IDCU Mode II Line (range 0.01 - 36)	
128	ABSBH O+T Calls per IDCU Mode II Line (range 0.01 - 50)	
129	IDCU Mode II Concentration Ratio (enter U or (U)X:1, see NOTE for acceptable values for X)	U
130	No. of IDCU Mode II hairpin specials (max: Host 983,040; RSM & ORM 5120 per SM)	0
131	Include T1 protection link for IDCU SLC-96 systems? (enter Y or N; Default Y)	Y
132	SM Processor Inputs	

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SCIS/MO 2.6 DATA TRANSFER SPREADSHEET

	D	E
133	SM Memory Adjustment (In Megabytes, range -8 to 32; SCIS/MO includes 32 Mb / SM)	0
134	SM RTU dollars to include per SM (0 - 999,999) - Material	0
135	SM RTU dollars to include per SM (0 - 999,999) - Engineering	0
136	SM RTU dollars to include per SM (0 - 999,999) - Installation	0
137	SM RTU Discount Type (ND=None; BO/BR=Basic Office/Remote; SW=Software)	ND
138	SM Processor HDBH Percent Utilization (range 0 - 100)	0
139	Trunk Inputs	
140	Number of Local Analog Trunks (DS0 channels; max: Hosts 98,304; RSM & ORM 512 per SM)	0
141	Administrative Fill Factor for Local Analog Trunks (range 0.01 - 100 percent)	
142	ABSBH CCS per Local Analog Trunk (range 0.01 - 36)	
143	ABSBH Outg. + Incmg. Calls per Local Analog Trunk (range 0.01 - 200)	
144	Number of Local Digital Trunks (DS0 channels - max: Hosts 92,160; RSM & ORM 480 per SM)	0
145	Administrative Fill Factor for Local Digital Trunks (range 0.01 - 100 percent)	
146	ABSBH Outg. + Incmg. CCS per Local Digital Trunk (range 0.01 - 36)	
147	ABSBH Outg. + Incmg. Calls per Local Digital Trunk (range 0.01 - 200)	
148	Number of Local SM-2000 Digital Trunks (DS0 channels - max: Host 17,280; EXM 2,880)	4824
149	Administrative Fill Factor for Local SM-2000 Digital Trunks (range 0.01 - 100 percent)	95.00
150	ABSBH Outg. + Incmg. CCS per Local SM-2000 Digital Trunk (range 0.01 - 36)	32.00
151	ABSBH Outg. + Incmg. Calls per Local SM-2000 Digital Trunk (range 0.01 - 200)	12.36
152	Number of Local DNU-SONET Trunks (DS0 channels - max: Host 72,576; EXM 12,096)	0
153	Administrative Fill Factor for Local DNU-SONET Trunks (range 0.01 - 100 percent)	
154	ABSBH Outg. + Incmg. CCS per Local DNU-SONET Trunk (range 0.01 - 36)	
155	ABSBH Outg. + Incmg. Calls per Local DNU-SONET Trunk (range 0.01 - 200)	
156	Number of Tandem Analog Trunks (DS0 channels - Host/Standalone only; max 98,304)	0
157	Administrative Fill Factor for Tandem Analog Trunks (range 0.01 - 100 percent)	
158	ABSBH Outg. + Incmg. CCS per Tandem Analog Trunk (range 0-36)	
159	ABSBH Outg. + Incmg. Calls per Tandem Analog Trunk (range 0-200)	
160	Number of Tandem Digital Trunks (DS0 channels; Hosts/Standalone only; max 92,160)	0
161	Administrative Fill Factor for Tandem Digital Trunks (range 0.01 - 100 percent)	
162	ABSBH Outg. + Incmg. CCS per Tandem Digital Trunk (range 0.01 - 36)	
163	ABSBH Outg. + Incmg. Calls per Tandem Digital Trunk (range 0.01 - 200)	

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SCIS/MO 2.6 DATA TRANSFER SPREADSHEET

	D	E
164	Number of Tandem SM-2000 Digital Trunks (DS0 channels; Hosts/Standalone only; max 17,280)	0
165	Administrative Fill Factor for Tandem SM-2000 Digital Trunks (range 0.01 - 100 percent)	95.00
166	ABSBH Outg. + Incmg. CCS per Tandem SM-2000 Digital Trunk (range 0.01 - 36)	0.00
167	ABSBH Outg. + Incmg. Calls per Tandem SM-2000 Digital Trunk (range 0.01 - 200)	0.00
168	Number of Tandem DNU-SONET Trunks (DS0 channels; Hosts/Standalone only; max 17,280)	0
169	Administrative Fill Factor for Tandem DNU-SONET Trunks (range 0.01 - 100 percent)	
170	ABSBH Outg. + Incmg. CCS per Tandem DNU-SONET Trunk (range 0.01 - 36)	
171	ABSBH Outg. + Incmg. Calls per Tandem DNU-SONET Trunk (range 0.01 - 200)	
172	SS7 Inputs (Hosts/Standalones only)	
173	Calendar year of initial SS7 installation (range 1980 - 2050)	2000
174	Economic life, in years, of SS7 link termination equipment (range 1- 99)	10
175	Include DLN30 processor with first SS7 link pair? (Y or N)	N
176	Year of Initial installation (Preset to calendar year of initial SS7 installation)	2000
177	Initial Number of Link Pairs (maximum total link pairs: 19)	1
178	Percent utilization at initial installation (range 0.01 - 100)	40
179	Year of first upgrade	
180	First upgrade - link pairs added (maximum total link pairs: 19)	
181	Percent utilization at time of first upgrade (range 0 - 100)	
182	Year of second upgrade	
183	Second upgrade - link pairs added (maximum total link pairs: 19)	
184	Percent utilization at time of second upgrade (range 0 - 100)	
185	Year of third upgrade	
186	Third upgrade - link pairs added (maximum total link pairs: 19)	
187	Percent utilization at time of third upgrade (range 0 - 100)	
188	Percent utilization at end of SS7 economic life (range 0-100)	40
189	TR-303 Inputs - Hosts/Standalones and Remotes	
190	Number of POTS Lines on standard SMs (max: Host 393,216; RSM & ORM 8,191 per SM)	0
191	Number of POTS Lines on SM2000 (max: Host 345,600; EXM 28,800)	0
192	ABSBH O+T CCS per POTS line (range 0.01 - 36)	4.03
193	ABSBH O+T Calls per POTS Line (range 0.01 - 50)	2.25
194	Percent of O+T POTS Calls that are feature calls (range 0 - 100)	20
195	Administrative Fill Factor for TR-303 Lines (range 0.01 - 100)	80.00

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SCIS/MO 2.6 DATA TRANSFER SPREADSHEET

	D	E
196	Number of hairpin special service lines on std. SMs (max: Host 393,216; RSM & ORM 8,191 per SM)	0
197	Total T1s from TR-303 RDTs terminating on IDCU on std. SMs (min: 2 - max: Host 7,680; RSM & ORM 40 per SM)	
198	Number of hairpin special service lines on SM2000 (max: Host 345,600; EXM 28,800)	0
199	Total T1s from TR-303 RDTs terminating on IDCU on SM2000 (max: Host 14,400; EXM 1,200)	
200	DS1s per IDCU (20 or 40)	40
201	TR-303 Remote Digital Terminal Line Concentration Ratio on std. SMs (range 1 - 50 or U)	U
202	Number of TR-303 Remote Digital Terminals on std. SMs (max: Host 5,952; RSM & ORM 31 per SM)	
203	Number of PIDBs per IDCU on standard SMs (range 2-15 or U)	2
204	TR-303 Remote Digital Terminal Line Concentration Ratio on SM2000 (range 1 - 50 or U)	U
205	Number of TR-303 Remote Digital Terminals on SM2000 (max: Host 2,880; EXM 240)	
206	Number of PIDBs per IDCU on SM2000 (range 2-16 or U)	2
207	Number of ISDN BRI lines on standard SMs (max: Host 393,216; RSM & ORM 3,840 per SM)	0
208	Number of ISDN BRI lines on SM2000 (max: Host 46,080; EXM 3,840)	0
209	ABSBH O+T CCS per BRI Line (range 0.01 - 72)	
210	ABSBH O+T Calls per BRI Line (range 0.01 - 50)	
211	Percent of O+T BRI Calls that are feature calls (range 0 - 100)	20
212	Packets Per Second (PPS) per BRI D-Channel (range 0.02 - 8)	0.02
213	Number of Permanent Packet B (PPB) data channels on std. SMs (max: 2 per std. SM ISDN Line)	0
214	Number of Permanent Packet B (PPB) data channels on SM2000 (max: 2 per SM2000 ISDN Line)	0
215	Packets per Second (PPS) per PPB (range 0 - 32)	
216	Number of ODB channels on standard SMs (max: 2 per std. SM ISDN Line)	0
217	Number of ODB channels on SM2000 (max: 2 per SM2000 ISDN Line)	0
218	ABSBH O+T CCS per ODB user (range 0.01 - 22.5)	
219	Packets per Second (PPS) per ODB user (range 0 - 32)	
220	ISDN Inputs - Hosts/Standalones and Remotes	
221	5ESS General Inputs	

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SCIS/MO 2.6 DATA TRANSFER SPREADSHEET

	D	E
222	Total Inter-Switching Module PPS from standard SMs - Host (0 - 999,999) and ORM (0-24,000) only	
223	Total Inter-Switching Module PPS from SM2000 - Host (0 - 999,999) and EXM (0-24,000) only	
224	Total Intracluster PPS (RSMs only; maximum 24,000 * (No. of SMs -1))	
225	Total Umbilical PPS (RSMs only; maximum 15,232 per SM)	
226	Mix BRI and Z cards in the same ISLUs? (not applicable to RSM and ORM with 1 SM, EXM; enter Y or N)	Y
227	D-Channel Protocol Handler type for standard SMs (enter PH3)	
228	Permanent Packet B Protocol Handler type for standard SMs (enter PH3)	
229	On-Demand B Packet Protocol Handler type for standard SMs (enter PH3)	
230	Primary Rate Interface Protocol Handler type for standard SMs (enter PH2 or PH3)	
231	Packet Trunking Protocol Handler type for standard SMs (Hosts only; enter PH3)	
232	Inter-SM Protocol Handler type for standard SMs (Hosts and ORMs only; enter PH3)	
233	Umbilical/Intracluster PH type for standard SMs (RSMs only; enter PH3)	
234	XAT Protocol Handler type for standard SMs (enter PH3)	
235	Basic Rate Interface (BRI) on Non-DLC (ISLUs)	
236	No. of lines terminating on U Cards on standard SMs (max: Host 393,216; RSM & ORM 2,048 per SM)	0
237	No. of lines terminating on T Cards on standard SMs (max: Host 393,216; RSM & ORM 2,048 per SM)	0
238	No. of lines terminating on U Cards on SM2000 (max: Host 46,080; EXM 3,840)	658
239	No. of lines terminating on T Cards on SM2000 (max: Host 46,080; EXM 3,840)	0
240	BRI Administrative Fill Factor (range 0.01 - 100 percent)	95
241	ABSBH Orig. + Term. CCS per BRI Line (range 0.01 - 72)	9.01
242	ABSBH Orig. + Term. Calls per BRI Line (range 0.01 - 50)	3.87
243	Percent of Orig. + Term. BRI calls that are feature calls (range 0 - 100)	20
244	Packets Per Second (PPS) per BRI D-Channel (range 0.02 - 8)	0.3
245	No. of PIDBs per ISLU on standard SMs (range 2-16 or U)	
246	No. of PIDBs per ISLU2 on SM2000 (range 2 -16 or U)	
247	Non-DLC BRI Permanent Packet B	
248	Number of PPB channels served by U and T cards on standard SM (see NOTE for max)	0
249	Number of PPB channels served by U and T cards on SM2000 (see NOTE for max)	8
250	Packets per Second (PPS) per PPB (range 0.01 - 32)	32
251	Non-DLC BRI On-Demand B:	

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SCIS/MO 2.6 DATA TRANSFER SPREADSHEET

	D	E
252	Number of ODB channels served by U and T cards on standard SM (max: 2 * (U Lines + T Lines on std SM))	0
253	Number of ODB channels served by U and T cards on SM2000 (max: 2 * (U Lines + T Lines on SM2K))	0
254	ABSBH Orig. + Term. CCS per ODB user (range 0.00 - 22.5)	
255	Packets per Second (PPS) per ODB user (range 0.01 - 32)	
256	Analog Lines on Z-ISLUs (Z cards)	
257	No. Analog Lines on Z Cards (max: Host 491,520; RSM & ORM 2,560 per SM)	0
258	Z Card Administrative Fill Factor (if no SM with BRI/Z mix; range 0.01 - 100 percent)	
259	ABSBH Orig. + Term. CCS per Analog Line on Z Cards (range 0.01 - 36)	
260	ABSBH Orig. + Term. Calls per Analog Line on Z Cards (range 0.01 - 50)	
261	Percent of Orig. + Term. Z Card calls that are feature calls (range 0 - 100)	
262	PIDBs per Z-ISLU (range 2 - 24 or U)	
263	Basic Rate Interface (BRI) on SM-2000 AIU (Host and EXM only)	
264	Number of BRI Lines on SM-2000 AIU (Max: Host 46,080; EXM 3,840)	0
265	Administrative Fill Factor for AIU BRI Lines (range: 0.01 - 100)	
266	ABSBH Orig.+Term. CCS per AIU BRI Line (range 0.01 - 72)	
267	ABSBH Orig.+Term. Calls per AIU BRI Line (range 0.01 - 50)	
268	Packets Per Second (PPS) per AIU BRI D-Channel (range 0.02 - 8)	
269	Number of PIDBs per AIU for BRI Lines (range: 2 - 6, or U)	U
270	Percent of Orig.+Term. AIU BRI Calls that are feature calls (range 0 - 100)	
271	Number of PPB channels for AIU BRI Lines (range: 0 - Rounddown(0.05 * No. of AIU BRI Lines))	
272	Packets per Second (PPS) per Permanent Packet B (PPB) data channel (range 0.01 - 32)	
273	Number of On-Demand B (ODB) Channels for AIU BRI Lines (range: 0 - No. of AIU BRI Lines)	
274	ABSBH Orig.+Term. CCS per On-Demand B (ODB) User (range: 0.01 - 22.5)	
275	Packets per Second (PPS) per On-Demand B (ODB) User (range 0.01 - 32)	
276	AIU BRI Line Concentration Ratio (enter U)	U
277	Primary Rate Interface (PRI)	
278	Number of PRI - DLTU2 on standard SM (max: Host 3,840; RSM & ORM 20 per SM)	0
279	Number of T1's per PRI D channel - DLTU2 on standard SMs (range 1 - 20)	1
280	Number of PRI - DLTU2 on SM2000 (max: Hosts 1,536; EXMs 128)	88
281	Number of PRI - DNUS on SM2000 (max: Hosts 1,536; EXMs 128)	0

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SCIS/MO 2.6 DATA TRANSFER SPREADSHEET

	D	E
282	Number of T1's per PRI D channel - DLTU2 & DNUS on SM2000 (range: Host 1 - 1,440; EXM 1 - 120)	1
283	ABSBH Originating + Terminating Calls per PRI (range 0 - 460)	230.00
284	Percent of Originating + Terminating PRI calls that are originating (range 0 - 100)	50.00
285	Packet Trunking	
286	Number of X.75 trunks - DLTU2 on standard SM (Hosts only; range 0 - 6,120)	0
287	Number of X.75 trunks - DLTU2 on SM2000 (Hosts only; range 0 - 5,760)	0
288	Number of X.75 trunks - DNUS on SM2000 (Hosts only; range 0 - 5,760)	0
289	Packets per Second (PPS) per X.75 trunk (Hosts/Standalones only; range 0.01 - 32)	
290	ABSBH Outgoing + Incoming Calls per X.75 Trunk (Hosts/Standalones only; range 0.01 - 200)	
291	Number of X.75' trunks - DLTU2 on standard SM (Hosts only; range 0 - 24)	0
292	Number of X.75' trunks - DLTU2 on SM2000 (Hosts only; range 0 - 5,760)	0
293	Number of X.75' trunks - DNUS on SM2000 (Hosts only; range 0 - 5,760)	0
294	Packets per Second (PPS) per X.75' trunk (Hosts/Standalones only; range 0.01 - 32)	
295	ABSBH Outgoing + Incoming Calls per X.75' Trunk (Hosts/Standalones only; range 0.01 - 200)	
296	Num. of Internal Protocol trunks - DLTU2 on standard SMs (Hosts only; range 0 - 512)	0
297	Number of Internal Protocol trunks - DLTU2 on SM2000 (Hosts only; range 0 - 5,760)	0
298	Number of Internal Protocol trunks - DNUS on SM2000 (Hosts only; range 0 - 5,760)	0
299	Packets per Second (PPS) per Internal Protocol trunk (Hosts/Standalones only; range 0.01 - 32)	
300	ABSBH Outgoing + Incoming Calls per Internal Protocol Trunk (Hosts/Standalones only; 0.01 - 200)	
301	No. of XAT trunks - DLTU2 on std. SM (max: Host 1,000; RSM & ORM 480/SM, cannot exceed 1,000)	0
302	No. of XAT trunks - DLTU2 on SM2000 (max: Host 7,680; EXM 640)	0
303	No. of XAT trunks - DNUS on SM2000 (max: Host 7,680; EXM 640)	0
304	Packets per Second (PPS) per XAT trunk (range 0.01 - 32)	
305	ABSBH Outgoing + Incoming Calls per XAT Trunk (range 0.01 - 200)	

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	1	2	3	4	5	6	7	8	9	10	11	12
ESSREM1	ESSREM2	ESSREM3	ESSREM4	ESSREM5	ESSREM6	ESSREM7	ESSREM8	ESSREM9	ESSREM10	ESSREM11	ESSREM12	
ESSHST1	ESSHST2	ESSHST3	ESSHST4	ESSHST5	ESSHST6	ESSHST7	ESSHST8	ESSHST9	ESSHST10	ESSHST11	ESSHST12	
DH_HST1	DH_HST2	DH_HST3	DH_HST4	DH_HST5	DH_HST6	DH_HST7	DH_HST8	DH_HST9	DH_HST10	DH_HST11	DH_HST12	
DT_HST1	DT_HST2	DT_HST3	DT_HST4	DT_HST5	DT_HST6	DT_HST7	DT_HST8	DT_HST9	DT_HST10	DT_HST11	DT_HST12	
DH_REM1	DH_REM2	DH_REM3	DH_REM4	DH_REM5	DH_REM6	DH_REM7	DH_REM8	DH_REM9	DH_REM10	DH_REM11	DH_REM12	
DT_REM1	DT_REM2	DT_REM3	DT_REM4	DT_REM5	DT_REM6	DT_REM7	DT_REM8	DT_REM9	DT_REM10	DT_REM11	DT_REM12	

ESSREM
ESSHST
DH_HST
DT_HST
DH_REM
DT_REM

	13	14	15	16	17	18	19	20	21	22	23
ESSREM13	ESSREM14	ESSREM15	ESSREM16	ESSREM17	ESSREM18	ESSREM19	ESSREM20	ESSREM21	ESSREM22	ESSREM23	
ESSHST13	ESSHST14	ESSHST15	ESSHST16	ESSHST17	ESSHST18	ESSHST19	ESSHST20	ESSHST21	ESSHST22	ESSHST23	
DH_HST13	DH_HST14	DH_HST15	DH_HST16	DH_HST17	DH_HST18	DH_HST19	DH_HST20	DH_HST21	DH_HST22	DH_HST23	
DT_HST13	DT_HST14	DT_HST15	DT_HST16	DT_HST17	DT_HST18	DT_HST19	DT_HST20	DT_HST21	DT_HST22	DT_HST23	
DH_REM13	DH_REM14	DH_REM15	DH_REM16	DH_REM17	DH_REM18	DH_REM19	DH_REM20	DH_REM21	DH_REM22	DH_REM23	
DT_REM13	DT_REM14	DT_REM15	DT_REM16	DT_REM17	DT_REM18	DT_REM19	DT_REM20	DT_REM21	DT_REM22	DT_REM23	

24	25	26	27	28	29	30	31	32	33	34
ESSREM24	ESSREM25	ESSREM26	ESSREM27	ESSREM28	ESSREM29	ESSREM30	ESSREM31	ESSREM32	ESSREM33	ESSREM34
ESSHST24	ESSHST25	ESSHST26	ESSHST27	ESSHST28	ESSHST29	ESSHST30	ESSHST31	ESSHST32	ESSHST33	ESSHST34
DH_HST24	DH_HST25	DH_HST26	DH_HST27	DH_HST28	DH_HST29	DH_HST30	DH_HST31	DH_HST32	DH_HST33	DH_HST34
DT_HST24	DT_HST25	DT_HST26	DT_HST27	DT_HST28	DT_HST29	DT_HST30	DT_HST31	DT_HST32	DT_HST33	DT_HST34
DH_REM24	DH_REM25	DH_REM26	DH_REM27	DH_REM28	DH_REM29	DH_REM30	DH_REM31	DH_REM32	DH_REM33	DH_REM34
DT_REM24	DT_REM25	DT_REM26	DT_REM27	DT_REM28	DT_REM29	DT_REM30	DT_REM31	DT_REM32	DT_REM33	DT_REM34

35	36	37	38	39	40	41	42	43	44	45
ESSREM35	ESSREM36	ESSREM37	ESSREM38	ESSREM39	ESSREM40	ESSREM41	ESSREM42	ESSREM43	ESSREM44	ESSREM45
ESSHST35	ESSHST36	ESSHST37	ESSHST38	ESSHST39	ESSHST40	ESSHST41	ESSHST42	ESSHST43	ESSHST44	ESSHST45
DH_HST35	DH_HST36	DH_HST37	DH_HST38	DH_HST39	DH_HST40	DH_HST41	DH_HST42	DH_HST43	DH_HST44	DH_HST45
DT_HST35	DT_HST36	DT_HST37	DT_HST38	DT_HST39	DT_HST40	DT_HST41	DT_HST42	DT_HST43	DT_HST44	DT_HST45
DH_REM35	DH_REM36	DH_REM37	DH_REM38	DH_REM39	DH_REM40	DH_REM41	DH_REM42	DH_REM43	DH_REM44	DH_REM45
DT_REM35	DT_REM36	DT_REM37	DT_REM38	DT_REM39	DT_REM40	DT_REM41	DT_REM42	DT_REM43	DT_REM44	DT_REM45

46	47	48	49	50	51	52	53	54	55	56
ESSREM46	ESSREM47	ESSREM48	ESSREM49	ESSREM50	ESSREM51	ESSREM52	ESSREM53	ESSREM54	ESSREM55	ESSREM56
ESSHST46	ESSHST47	ESSHST48	ESSHST49	ESSHST50	ESSHST51	ESSHST52	ESSHST53	ESSHST54	ESSHST55	ESSHST56
DH_HST46	DH_HST47	DH_HST48	DH_HST49	DH_HST50	DH_HST51	DH_HST52	DH_HST53	DH_HST54	DH_HST55	DH_HST56
DT_HST46	DT_HST47	DT_HST48	DT_HST49	DT_HST50	DT_HST51	DT_HST52	DT_HST53	DT_HST54	DT_HST55	DT_HST56
DH_REM46	DH_REM47	DH_REM48	DH_REM49	DH_REM50	DH_REM51	DH_REM52	DH_REM53	DH_REM54	DH_REM55	DH_REM56
DT_REM46	DT_REM47	DT_REM48	DT_REM49	DT_REM50	DT_REM51	DT_REM52	DT_REM53	DT_REM54	DT_REM55	DT_REM56

	57	58	59	60	61	62	63	64	65	66	67
ESSREM57	ESSREM58	ESSREM59	ESSREM60	ESSREM61	ESSREM62	ESSREM63	ESSREM64	ESSREM65	ESSREM66	ESSREM67	
ESSHST57	ESSHST58	ESSHST59	ESSHST60	ESSHST61	ESSHST62	ESSHST63	ESSHST64	ESSHST65	ESSHST66	ESSHST67	
DH_HST57	DH_HST58	DH_HST59	DH_HST60	DH_HST61	DH_HST62	DH_HST63	DH_HST64	DH_HST65	DH_HST66	DH_HST67	
DT_HST57	DT_HST58	DT_HST59	DT_HST60	DT_HST61	DT_HST62	DT_HST63	DT_HST64	DT_HST65	DT_HST66	DT_HST67	
DH_REM57	DH_REM58	DH_REM59	DH_REM60	DH_REM61	DH_REM62	DH_REM63	DH_REM64	DH_REM65	DH_REM66	DH_REM67	
DT_REM57	DT_REM58	DT_REM59	DT_REM60	DT_REM61	DT_REM62	DT_REM63	DT_REM64	DT_REM65	DT_REM66	DT_REM67	

	68	69	70	71	72	73	74	75	76	77	78
ESSREM68	ESSREM69	ESSREM70	ESSREM71	ESSREM72	ESSREM73	ESSREM74	ESSREM75	ESSREM76	ESSREM77	ESSREM78	
ESSHST68	ESSHST69	ESSHST70	ESSHST71	ESSHST72	ESSHST73	ESSHST74	ESSHST75	ESSHST76	ESSHST77	ESSHST78	
DH_HST68	DH_HST69	DH_HST70	DH_HST71	DH_HST72	DH_HST73	DH_HST74	DH_HST75	DH_HST76	DH_HST77	DH_HST78	
DT_HST68	DT_HST69	DT_HST70	DT_HST71	DT_HST72	DT_HST73	DT_HST74	DT_HST75	DT_HST76	DT_HST77	DT_HST78	
DH_REM68	DH_REM69	DH_REM70	DH_REM71	DH_REM72	DH_REM73	DH_REM74	DH_REM75	DH_REM76	DH_REM77	DH_REM78	
DT_REM68	DT_REM69	DT_REM70	DT_REM71	DT_REM72	DT_REM73	DT_REM74	DT_REM75	DT_REM76	DT_REM77	DT_REM78	

	79	80	81	82	83	84	85	86	87	88	89
ESSREM79	ESSREM80	ESSREM81	ESSREM82	ESSREM83	ESSREM84	ESSREM85	ESSREM86	ESSREM87	ESSREM88	ESSREM89	
ESSHST79	ESSHST80	ESSHST81	ESSHST82	ESSHST83	ESSHST84	ESSHST85	ESSHST86	ESSHST87	ESSHST88	ESSHST89	
DH_HST79	DH_HST80	DH_HST81	DH_HST82	DH_HST83	DH_HST84	DH_HST85	DH_HST86	DH_HST87	DH_HST88	DH_HST89	
DT_HST79	DT_HST80	DT_HST81	DT_HST82	DT_HST83	DT_HST84	DT_HST85	DT_HST86	DT_HST87	DT_HST88	DT_HST89	
DH_REM79	DH_REM80	DH_REM81	DH_REM82	DH_REM83	DH_REM84	DH_REM85	DH_REM86	DH_REM87	DH_REM88	DH_REM89	
DT_REM79	DT_REM80	DT_REM81	DT_REM82	DT_REM83	DT_REM84	DT_REM85	DT_REM86	DT_REM87	DT_REM88	DT_REM89	

	90	91	92	93	94	95	96	97	98	99	100
ESSREM90	ESSREM91	ESSREM92	ESSREM93	ESSREM94	ESSREM95	ESSREM96	ESSREM97	ESSREM98	ESSREM99	ESSREM100	
ESSHST90	ESSHST91	ESSHST92	ESSHST93	ESSHST94	ESSHST95	ESSHST96	ESSHST97	ESSHST98	ESSHST99	ESSHST100	
DH_HST90	DH_HST91	DH_HST92	DH_HST93	DH_HST94	DH_HST95	DH_HST96	DH_HST97	DH_HST98	DH_HST99	DH_HST100	
DT_HST90	DT_HST91	DT_HST92	DT_HST93	DT_HST94	DT_HST95	DT_HST96	DT_HST97	DT_HST98	DT_HST99	DT_HST100	
DH_REM90	DH_REM91	DH_REM92	DH_REM93	DH_REM94	DH_REM95	DH_REM96	DH_REM97	DH_REM98	DH_REM99	DH_REM100	
DT_REM90	DT_REM91	DT_REM92	DT_REM93	DT_REM94	DT_REM95	DT_REM96	DT_REM97	DT_REM98	DT_REM99	DT_REM100	

101	102	103	104	105	106	107	108	109	110
ESSREM101	ESSREM102	ESSREM103	ESSREM104	ESSREM105	ESSREM106	ESSREM107	ESSREM108	ESSREM109	ESSREM110
ESSHST101	ESSHST102	ESSHST103	ESSHST104	ESSHST105	ESSHST106	ESSHST107	ESSHST108	ESSHST109	ESSHST110
DH_HST101	DH_HST102	DH_HST103	DH_HST104	DH_HST105	DH_HST106	DH_HST107	DH_HST108	DH_HST109	DH_HST110
DT_HST101	DT_HST102	DT_HST103	DT_HST104	DT_HST105	DT_HST106	DT_HST107	DT_HST108	DT_HST109	DT_HST110
DH_REM101	DH_REM102	DH_REM103	DH_REM104	DH_REM105	DH_REM106	DH_REM107	DH_REM108	DH_REM109	DH_REM110
DT_REM101	DT_REM102	DT_REM103	DT_REM104	DT_REM105	DT_REM106	DT_REM107	DT_REM108	DT_REM109	DT_REM110

	111	112	113	114	115	116	117	118	119	120
ESSREM111	ESSREM112	ESSREM113	ESSREM114	ESSREM115	ESSREM116	ESSREM117	ESSREM118	ESSREM119	ESSREM120	
ESSHST111	ESSHST112	ESSHST113	ESSHST114	ESSHST115	ESSHST116	ESSHST117	ESSHST118	ESSHST119	ESSHST120	
DH_HST111	DH_HST112	DH_HST113	DH_HST114	DH_HST115	DH_HST116	DH_HST117	DH_HST118	DH_HST119	DH_HST120	
DT_HST111	DT_HST112	DT_HST113	DT_HST114	DT_HST115	DT_HST116	DT_HST117	DT_HST118	DT_HST119	DT_HST120	
DH_REM111	DH_REM112	DH_REM113	DH_REM114	DH_REM115	DH_REM116	DH_REM117	DH_REM118	DH_REM119	DH_REM120	
DT_REM111	DT_REM112	DT_REM113	DT_REM114	DT_REM115	DT_REM116	DT_REM117	DT_REM118	DT_REM119	DT_REM120	

	121	122	123	124	125	126	127	128	129	130
ESSREM121	ESSREM122	ESSREM123	ESSREM124	ESSREM125	ESSREM126	ESSREM127	ESSREM128	ESSREM129	ESSREM130	
ESSHST121	ESSHST122	ESSHST123	ESSHST124	ESSHST125	ESSHST126	ESSHST127	ESSHST128	ESSHST129	ESSHST130	
DH_HST121	DH_HST122	DH_HST123	DH_HST124	DH_HST125	DH_HST126	DH_HST127	DH_HST128	DH_HST129	DH_HST130	
DT_HST121	DT_HST122	DT_HST123	DT_HST124	DT_HST125	DT_HST126	DT_HST127	DT_HST128	DT_HST129	DT_HST130	
DH_REM121	DH_REM122	DH_REM123	DH_REM124	DH_REM125	DH_REM126	DH_REM127	DH_REM128	DH_REM129	DH_REM130	
DT_REM121	DT_REM122	DT_REM123	DT_REM124	DT_REM125	DT_REM126	DT_REM127	DT_REM128	DT_REM129	DT_REM130	

131	132	133	134	135	136	137	138	139	140
ESSREM131	ESSREM132	ESSREM133	ESSREM134	ESSREM135	ESSREM136	ESSREM137	ESSREM138	ESSREM139	ESSREM140
ESSHST131	ESSHST132	ESSHST133	ESSHST134	ESSHST135	ESSHST136	ESSHST137	ESSHST138	ESSHST139	ESSHST140
DH_HST131	DH_HST132	DH_HST133	DH_HST134	DH_HST135	DH_HST136	DH_HST137	DH_HST138	DH_HST139	DH_HST140
DT_HST131	DT_HST132	DT_HST133	DT_HST134	DT_HST135	DT_HST136	DT_HST137	DT_HST138	DT_HST139	DT_HST140
DH_REM131	DH_REM132	DH_REM133	DH_REM134	DH_REM135	DH_REM136	DH_REM137	DH_REM138	DH_REM139	DH_REM140
DT_REM131	DT_REM132	DT_REM133	DT_REM134	DT_REM135	DT_REM136	DT_REM137	DT_REM138	DT_REM139	DT_REM140

141	142	143	144	145	146	147	148	149	150
ESSREM141	ESSREM142	ESSREM143	ESSREM144	ESSREM145	ESSREM146	ESSREM147	ESSREM148	ESSREM149	ESSREM150
ESSHST141	ESSHST142	ESSHST143	ESSHST144	ESSHST145	ESSHST146	ESSHST147	ESSHST148	ESSHST149	ESSHST150
DH_HST141	DH_HST142	DH_HST143	DH_HST144	DH_HST145	DH_HST146	DH_HST147	DH_HST148	DH_HST149	DH_HST150
DT_HST141	DT_HST142	DT_HST143	DT_HST144	DT_HST145	DT_HST146	DT_HST147	DT_HST148	DT_HST149	DT_HST150
DH_REM141	DH_REM142	DH_REM143	DH_REM144	DH_REM145	DH_REM146	DH_REM147	DH_REM148	DH_REM149	DH_REM150
DT_REM141	DT_REM142	DT_REM143	DT_REM144	DT_REM145	DT_REM146	DT_REM147	DT_REM148	DT_REM149	DT_REM150

	D	E	F	G
1	SCIS/MO 2.6 DATA TRANSFER SPREADSHEET	DMS100F OFFICE	DMS100F OFFICE	DMS100F OFFICE
2	Ctrl-R: set input categories for download Ctrl-S: download inputs by Subset Ctrl-T: download inputs by Office Ctrl-P: download partial offices and remotes	TAMPFLXA01T	HYPKFLXADS0	PTCYFLXA75H
3	Node Definition Inputs			
4	DMS100F	DH_HST1	DH_HST2	DH_HST3
5	Office/Remote CLLI (up to eleven characters; cannot be blank)	TAMPFLXA01T	HYPKFLXADS0	PTCYFLXA75H
6	Office/Remote Name (up to thirteen characters)	TAMPA TANDEM	HYDE PARK	PLANT CITY
7	Office/Remote Type (EO=End Office; EOT = End Office/Tandem; T=Tandem; RLCM for Remote Line Concentrating Module; RSC-S for all Remote Switching)	T	EO	EO
8	Host CLLI for Remote (required for remotes only)			
9	State (up to four characters)	FL	FL	FL
10	Tariff Area (up to ten characters)			
11	General Inputs			
12	Engineering and Traffic Data Current as of: (enter date as MM/YYYY)	01/2001	01/2001	01/2001
13	Is the office Line Equipped? (must be N for Tandem; Y for any other office or remo)	Y	Y	Y
14	Is the office Trunk Equipped? (must be Y for Hosts/Standalones; Y or N for remotes)	Y	Y	Y
15	Is the office LPP Equipped? (Y or N; Hosts/Standalones only)	Y	Y	Y
16	Is the office SS7 Equipped? (Y or N; Hosts/Standalones only)	Y	Y	Y
17	Is the office ISDN Equipped? (Y or N; Hosts/Standalones and remotes)	N	Y	Y
18	Is the office AMA Equipped? (Y or N; Hosts/Standalones only)	Y	Y	Y
19	Is the office TR-303 Equipped? (Y or N; Hosts/Standalones only)	N	Y	Y
20	Is the office Remote Equipped? (Y or N; host offices only)	N	N	N
21	HD/ABS CCS Ratio (range 1.10, 1.15, 1.20, or 1.30)	1.20	1.20	1.20
22	Network Type (Hosts/Standalones only; ENET or SNSE; see NOTE)	ENET	ENET	ENET
23	Umbilical and Other Remotes-only Data			
24	No. of umbilical links (T1's, not DS0 channels; see NOTE for range, or 'U' for system-calc)			
25	Total umbilical CCS (see NOTE for maximums; enter 'U' for system-calculation)			
26	Net percent intra-remote CCS (range 0 - 80 in increments of 10)			
27	Is this RLCM subtended off of an RSC? (Y or N; RLCMs only)	N	N	N
28	Is this a SINGLE or DUAL -RCC RSC? (RSC-S only)	SINGLE	SINGLE	SINGLE
29	CPU / Getting Started Investment			
30	Year of Switch Cutover (Hosts/Standalones only; 1970 - 2050)	2001	2001	2001
31	Upgrade CPU before switch replacement? (Y or N; Hosts/Standalones only)	N	N	N
32	Peak to Avg BH Factor (HD/ABS call ratio - Hosts/Standalones only; range 1.00 - 2.0)	1.3	1.3	1.3
33	Processor Utilization (PUF; Hosts/Standalones w/"Upgrade CPU...?" = N)			
34	Processor Type (SN60 or SN70)	SN70	SN60	SN70

	D	E	F	G
35	Number of years to switch replacement (range 1 - 99)	10	10	10
36	Number of years to processor exhaust (range 1 - 99)	10	10	10
37	Processor utilization at cutover (range 0.01 - 100 percent)	77	7.55	7.55
38	Processor utilization in fifth year (range 0 - 100 percent)	77	7.55	7.55
39	Processor utilization at switch replacment (range 0 - 100 percent)	77	7.55	7.55
40	GS Inv Adjustments - All Hosts/Standalones with "Upgrade CPU...?" = N and All Remotes			
41	RTU fees to include in GS Inv. (capitalized; 0 - 9,999,999) - Material	592810	970074	975055
42	RTU fees to include in GS Inv. (capitalized; 0 - 9,999,999) - Engineering	0	0	0
43	RTU fees to include in GS Inv. (capitalized; 0 - 9,999,999) - Installation	0	0	0
44	RTU Discount Type (ND=None; BO/BR=Basic Office/Remote; SW=Software)	ND	ND	ND
45	Other investment to include in GS Investment (-9,999,999 - 9,999,999) - Material	0	0	0
46	Other investment to include in GS Investment (-9,999,999 - 9,999,999) - Engineering	0	0	0
47	Other investment to include in GS Investment (-9,999,999 - 9,999,999) - Installation	0	0	0
48	Other investment in GS Inv. - Discount Type (ND=None; BO/BR=Basic Office/Remote)	ND	ND	ND
49	Adjustment to replication (marginal capacity) inv. (-9,999,999 - 9,999,999) - Material	0	0	0
50	Adjustment to replication (marginal capacity) inv. (-9,999,999 - 9,999,999) - Engineering	0	0	0
51	Adjustment to replication (marginal capacity) inv. (-9,999,999 - 9,999,999) - Installation	0	0	0
52	Adj. to replication inv. - Discount Type (ND=None; BO/BR=Basic Office/Remote)	ND	ND	ND
53	Remote Switching Center P-Side T1 Terminations for:			
54	CDO trunks (max of 10 for SINGLE RCC2 RSC-Ss; max of 20 for DUAL)			
55	PBX trunks (max of 10 for SINGLE RCC2 RSC-Ss; max of 20 for DUAL)			
56	SMS-R hairpin specials (max of 10 for SINGLE RCC2 RSC-Ss; max of 20 for DUAL)			
57	Links to RLCMs (max of 46 for SINGLE RCC2; max of 92 for DUAL -- if not 0, min = 2)			
58	GROWABLE (Hosts/Standalones with 'Upgrade CPU...?' = Y)			
59	Initial Processor Configuration (SN60 or SN70)			
60	Switch Economic Life (switch cutover to switch replacement - range 1 - 99)			
61	Upgrade within five years from cutover? (Y or N)			
62	If not upgrading within 5 years, Processor Utilization in fifth year (range 0 - 100 percent)			
63	GROWABLE Processor Utilization Data (if 'Upgrade CPU..' = Y)			
64	Initial Year - SN60			
65	Initial Year Percent Utilization of SN60 (range 0 - 100)			
66	RTU fees for SN60 - Material (range -9,999,999 - 9,999,999)			
67	RTU fees for SN60 - Engineering (range -9,999,999 - 9,999,999)			
68	RTU fees for SN60 - Installation (range -9,999,999 - 9,999,999)			
69	RTU fees for SN60 - Discount Type (ND=None; BO=Basic Office; SW=Software)			
70	Other inv. to include for SN60 - Material (range -9,999,999 - 9,999,999)			
71	Other inv. to include for SN60 - Engineering (range -9,999,999 - 9,999,999)			
72	Other inv. to include for SN60 - Installation (range -9,999,999 - 9,999,999)			
73	Other inv. to include for SN60 - Discount Type (ND = None; BO = Basic Office)			

	D	E	F	G
74	Initial Year - SN70			
75	Initial Year Percent Utilization of SN70 (range 0 - 100)			
76	RTU fees for SN70 - Material (range -9,999,999 - 9,999,999)			
77	RTU fees for SN70 - Engineering (range -9,999,999 - 9,999,999)			
78	RTU fees for SN70 - Installation (range -9,999,999 - 9,999,999)			
79	RTU fees for SN70 - Discount Type (ND=None; BO=Basic Office)			
80	Other inv. to include for SN70 - Material (range -9,999,999 - 9,999,999)			
81	Other inv. to include for SN70 - Engineering (range -9,999,999 - 9,999,999)			
82	Other inv. to include for SN70 - Installation (range -9,999,999 - 9,999,999)			
83	Other inv. to include for SN70 - Discount Type (ND = None; BO = Basic Office)			
84	Percent utilization at end of switch economic life (range 0 - 100)			
85	Line Inputs			
86	Analog and SLC-96 Lines			
87	Number of Working Analog Lines (see NOTE for ranges)	0	22192	22485
88	Administrative Fill Factor for Analog Lines (range 0.01- 100 percent)	0	82	86
89	ABSBH O+T CCS per Analog Line (range 0.01 - 36)	0.00	2.99	2.98
90	ABSBH O+T Calls per Analog Line (range 0.01 - 50)	0.00	2.29	1.43
91	DS-30As per LCM (Hosts/Standalones and RSC-Ss only; range 2 - 6 or U)	U	U	U
92	LGC Concentration Ratio (Hosts/Standalones only - Enter '1:1, '5:4, or U)	U	U	U
93	Number of Working SLC-96 Mode I Lines (see NOTE for ranges)	0	0	0
94	Admin. Fill Factor for SLC-96 Mode I Lines (range 0.01 - 100 pct)			
95	ABSBH O+T CCS per SLC-96 Mode I Line (range 0.01 - 36)			
96	ABSBH O+T Calls per SLC-96 Mode I Line (range 0.01 - 50)			
97	DS-30s per SMS for Mode I (Host only: 3 - 16 or U)	U	U	U
98	DS-30As per SMS for Mode I (RSC-S only: 2, 3, 4, or U)			
99	No. of SLC-96 Mode I hairpin specials (Max: Host 128,000; RSC-S: 3,840 per RCC2)	0	0	0
100	Number of Working SLC-96 Mode II Lines (see NOTE for ranges)	0	0	0
101	Admin. Fill Factor for SLC-96 Mode II Lines (range 0.01 - 100 pct)			
102	ABSBH O+T CCS per SLC-96 Mode II Line (range 0.01 - 36)			
103	ABSBH O+T Calls per SLC-96 Mode II Line (range 0.01 - 50)			
104	DS-30s per SMS for Mode II (Host only: 3 - 16 or U)	U	U	U
105	DS-30As per SMS for Mode II (RSC-S only: 2, 3, 4, or U)			
106	RCC2)	0	0	0
107	Include T1 protection link for SLC-96 systems? (enter Y or N; Default Y)	Y	Y	Y
108	DMS-1 Urban (Hosts/Standalones only)			
109	Number of Working DMS-1 Urban Lines (range 0 - 128,000)	0	0	0
110	Administrative Fill Factor for DMS-1 Urban Lines (range 0.01 - 100 percent)			
111	ABSBH O+T CCS per DMS-1 Urban Line (range 0.01 - 36)			
112	ABSBH O+T Calls per DMS-1 Urban Line (range 0.01 - 50)			

	D	E	F	G
113	Number of DMS-1 Urban hairpin specials (range 0 - 128,000)	0	0	0
114	No. of T-1 links per DMS-1 Urban remote terminal (range 2 - 8 or U)	U	U	U
115	Trunk Inputs			
116	Number of Local Analog Trunks (DS0 channels - Hosts/Standalones only; Max 60,000)			
117	Administrative Fill Factor for Local Analog Trunks (range 0.01 - 100 percent)			
118	ABSBH CCS per Local Analog Trunk (range 0.01 - 36)			
119	ABSBH Outg. + Incmg. Calls per Local Analog Trunk (range 0.01 - 200)			
120	Number of Local Digital Trunks (DS0 channels - Hosts/Standalones or RSC-Ss - see NOTE)	0	3216	3072
121	Administrative Fill Factor for Local Digital Trunks (range 0.01 - 100 percent)	95.00	95.00	95.00
122	ABSBH Outg. + Incmg. CCS per Local Digital Trunk (range 0.01 - 36)	0.00	30.00	28.00
123	ABSBH Outg. + Incmg. Calls per Local Digital Trunk (range 0.01 - 200)	0.00	11.72	10.07
124	Number of Tandem Analog Trunks (DS0 channels - Hosts/Standalones only; Max 60)	0	0	0
125	Administrative Fill Factor for Tandem Analog Trunks (range 0.01 - 100 percent)			
126	ABSBH Outg. + Incmg. CCS per Tandem Analog Trunk (range 0.01 - 36)			
127	ABSBH Outg. + Incmg. Calls per Tandem Analog Trunk (range 0.01 - 200)			
128	Number of Tandem Digital Trunks (DS0 channels; Hosts/Standalones only; Max 60,0)	60000	0	0
129	Administrative Fill Factor for Tandem Digital Trunks (range 0.01 - 100 percent)	100	95.00	95.00
130	ABSBH Outg. + Incmg. CCS per Tandem Digital Trunk (range 0.01 - 36)	30.00	0.00	0.00
131	ABSBH Outg. + Incmg. Calls per Tandem Digital Trunk (range 0.01 - 200)	12.71	0.00	0.00
132	Pct of Local Digital Trunks that are DS0 CCC (Hosts/Standalones; range 0 - 100)	100	100	100
133	Pct of Tandem Digital trunks that are DS0 CCC (Hosts/Standalones only; range 0 - 100)	100	100	100
134	Pct of Outg. + Inc. calls using inband signaling (Hosts/Standalones only; range 0 - 100)			
135	Link Peripheral Processor Inputs			
136	LPP Type (Enter either FULL for Full LPP or SINGLE for Single Shelf FLIS)	full	full	full
137	No. of slots used (1 - 612 or U; Max. 108 for FULL with SNSE; 24 for Single Shelf)	U	U	U
138	Number of Ethernet links (0-612; max. 108 for FULL with SNSE, 24 for Single Shelf)			
139	DS0 DataSPAN channels on non-dedicated T1's (0-14,688; max. 2,592 for FULL with SNSE, 576 for Single Shelf)			
140	Dedicated DataSPAN T1's (0-612; max. 108 for FULL w/SNSE, 24 for Single Shelf)			
141	AMA Inputs			
142	Dedicated AMA Equipment Type (see NOTE for valid types)	2GB	2GB	2GB
143	Net AMA Investment (if Equipment Type is USER; range 0-9,999,999) - Material			
144	Net AMA Investment (if Equipment Type is USER; range 0-9,999,999) - Engineering			
145	Net AMA Investment (if Equipment Type is USER; range 0-9,999,999) - Installation			
146	Net AMA Inv. Discount Type (if Equip. Type is USER; ND = No Discount; BO = Basic Office)			
147	AMA call storage capacity (if Equipment Type = USER; range 1-99,999,999)			
148	SS7 Inputs (Hosts/Standalones only)			

	D	E	F	G
149	Calendar year of initial SS7 installation (range 1980 - 2050)	2000	2000	2000
150	Economic life, in years, of SS7 link termination equipment (range 1- 99)	10	10	10
151	SS7 signaling link type (LPP56 for 56kbps links or LPP64 for 64kbps CCC links)	LPP56	LPP56	LPP56
152	Year of Initial installation (Preset to calendar year of initial SS7 installation)	2000	2000	2000
153	Initial Number of Link Pairs (Maximum total link pairs: 306 for Full LPP; 54 for FULL LPP w/SNSE; 12 for Single Shelf LPP)	1	1	1
154	Percent utilization at initial installation (range 0.01 - 100)	40	40	40
155	Year of first upgrade			
156	First upgrade - link pairs added (Maximum total link pairs: 306 for Full LPP; 54 for FULL LPP w/SNSE; 12 for Single Shelf LPP)			
157	Percent utilization at time of first upgrade (range 0 - 100)			
158	Year of second upgrade			
159	Second upgrade - link pairs added (Maximum total link pairs: 306 for Full LPP; 54 for FULL LPP w/SNSE; 12 for Single Shelf LPP)			
160	Percent utilization at time of second upgrade (range 0 - 100)			
161	Year of third upgrade			
162	Third upgrade - link pairs added (Maximum total link pairs: 306 for Full LPP; 54 for FULL LPP w/SNSE; 12 for Single Shelf LPP)			
163	Percent utilization at time of third upgrade (range 0 - 100)			
164	Percent utilization at end of SS7 economic life (range 0-100)	100	100	100
165	TR-303 Inputs (Hosts/Standalones only)			
166	Number of POTS Lines (range 0 - 128,000)	0	2097	11492
167	ABSBH O+T CCS per POTS line (range 0.01 - 36)	0.00	2.99	2.98
168	Administrative Fill Factor for TR-303 Lines (range 0.01 - 100 percent)	0.00	82.01	86.01
169	Number of hairpin special service lines (range 0 - 128,000)			
170	Total Number of TR-303 remote terminals terminating on SMA2 (range 0 - 40)	0	2	6
171	Number of ISDN BRI lines (range 0 - 32,704)			
172	ABSBH O+T CCS per BRI Line (range 0.01 - 72)			
173	Data Packets Per Second (PPS) per BRI D-Channel (range 0.05 - 0.40)			
174	Average D-Channel packet data terminals per BRI (range 0 - 8)			
175	Permanent Packet B (PPB) data channels (Maximum 2 per ISDN Line)			
176	Packets Per Second (PPS) per PPB (range 0 - 32)			
177	ISDN Inputs - Hosts/Standalones and RSC/Ss			
178	Basic Rate Interface (BRI) on Non-DLC (LCMEs)			
179	No. of lines on U Cards (Max: Host 32,704; RSC/I: 479 per RCCI; RSC/S: 958 per RC)	0	182	145
180	No. of lines on T Cards (Max: Host 32,704; RSC/I: 479 per RCCI; RSC/S: 958 per RC)	0	0	0
181	BRI Administrative Fill Factor (range 0.01 - 100 percent)	0.00	82.00	86.00
182	ABSBH Orig. + Term. CCS per BRI Line (range 0.01 - 72)	0.00	18.00	17.05
183	Data Packets Per Second (PPS) per BRI D-Channel (range 0.05 - 0.40)	0.05	0.05	0.05

	D	E	F	G
184	Average D-Channel packet data terminals per BRI (range 0 - 8)			
185	Number of LCMs per LGCI (Hosts/Standalones only; Enter 1 or 2, or U for system)	1	1	1
186	Non-DLC BRI Permanent Packet B			
187	Number of PPB channels served by U and T cards (Maximum 2 * (U Lines + T Lines)	8	8	8
188	Packets per Second (PPS) per PPB (range 0 - 80)	32.00	32.00	32.00
189	Analog Lines on LCMs			
190	No. Analog Lines on LCMs (Max: Host 32,704; RSC/I: 479 per RCCI; RSC/S: 958 per RCC2)	0	0	0
191	ABSBH Orig. + Term. CCS per Analog Line on LCMs (range 0.01 - 36)			
192	ABSBH Orig. + Term. Calls per Analog Line on LCMs (range 0.01 - 50)			
193	Primary Rate Interface (PRI - Hosts/Standalones only)			
194	Number of PRI (range 0 - 2560)	0	25	10
195	Number of T1's per PRI D channel (range 1 - 20)	1	1	1
196	Number of PRI PPB channels (range 0 - 23 x number of PRI)	23	23	23
197	Packets per Second (PPS) per PRI PPB channel (range 0 - 80)	32	32	32
198	Packet Trunking (Hosts/Standalones only)			
199	Number of X.75 trunks (range 0 - 100)	0	0	0
200	Packets per Second (PPS) per X.75 trunk (range 0.01 - 80)			
201	Number of X.75' trunks (range 0 - 100)	0	0	0
202	Packets per Second (PPS) per X.75' trunk (range 0.01 - 80)			
203	BRI on Integrated DLC (SMUs - Hosts/Standalones only)			
204	Number of 2B+D lines (range 0 - 32,704)	0	0	0
205	Number of 1B+D lines (range 0 - 32,704)	0	0	0
206	Administrative Fill Factor (range 0.01 - 100 percent)			
207	ABSBH Orig. + Term. CCS per BRI Line (range 0.01 - 72)			
208	No. of 2-wire hairpin special service lines (Hosts/Standalones only; range 0 - 32,704)	0	0	0
209	No. of 4-wire hairpin special service lines (Hosts/Standalones only; range 0 - 32,704)	0	0	0
210	Data Packets Per Second (PPS) per BRI D-Channel (range 0.05 - 0.40)	0.05	0.05	0.05
211	Average D-Channel packet data terminals per BRI (range 0 - 8)			
212	Number of T1's per remote terminal (range 2 - 8 or U for system-calculation)	U	U	U
213	Integrated DLC BRI Permanent Packet B (Hosts/Standalones only)			
214	Number of PPB channels (Maximum is (2 * No. of 2B+D Lines) + No. of 1B+D Lines)	0	0	0
215	Packets per Second (PPS) per PPB (range 0 - 80)	5.00	5.00	5.00
216	POTS Lines on ISDN Integrated DLC (Hosts/Standalones only)			
217	Number of POTS Lines (range 0 - 32,704)	0	0	0
218	ABSBH Orig. + Term. CCS per POTS Line (range 0.01 - 36)			
219	ABSBH Orig. + Term. Calls per POTS Line (range 0.01 - 50)			
220	END OF DMS-100F INPUTS -- DO NOT DELETE THIS ROW			

	H	I
1	DMS100F OFFICE	DMS100F OFFICE
2	WNHNFLXC29H	TAMPFLXA02T
3		
4	DH_HST4	DH_HST5
5	WNHNFLXC29H	TAMPFLXA02T
6	WINTER HAVEN	TAMPA TANDEM
7	EO	T
8		
9	FL	FL
10		
11		
12	01/2001	01/2001
13	Y	Y
14	Y	Y
15	Y	Y
16	Y	Y
17	Y	N
18	Y	Y
19	Y	N
20	N	N
21	1.20	1.20
22	ENET	ENET
23		
24		
25		
26		
27	N	N
28	SINGLE	SINGLE
29		
30	2001	2001
31	N	N
32	1.3	1.3
33		
34	SN70	SN70

	H	I
35	10	10
36	10	10
37	7.55	45
38	7.55	45
39	7.55	45
40		
41	977792	592810
42	0	0
43	0	0
44	ND	ND
45	0	0
46	0	0
47	0	0
48	ND	ND
49	0	0
50	0	0
51	0	0
52	ND	ND
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		

	H	I
74		
75		
76		
77		
78		
79		
80		
81		
82		
83		
84		
85		
86		
87	22646	0
88	85	0
89	2.82	0.00
90	1.87	0.00
91	U	U
92	U	U
93	0	0
94		
95		
96		
97	U	U
98		
99	0	0
100	0	0
101		
102		
103		
104	U	U
105		
106	0	0
107	Y	Y
108		
109	0	0
110		
111		
112		

	H	I
113	0	0
114	U	U
115		
116		
117		
118		
119		
120	2832	0
121	95.00	95.00
122	30.00	0.00
123	9.49	0.00
124	0	0
125		
126		
127		
128	0	60000
129	95.00	100
130	0.00	30.00
131	0.00	12.71
132	100	100
133	100	100
134		
135		
136	full	full
137	U	U
138		
139		
140		
141		
142	2GB	2GB
143		
144		
145		
146		
147		
148		

	H	I
149	2000	2000
150	10	10
151	LPP56	LPP56
152	2000	2000
153	1	1
154	40	40
155		
156		
157		
158		
159		
160		
161		
162		
163		
164	100	100
165		
166	13168	0
167	2.82	0.00
168	85.00	0.00
169		
170	7	0
171		
172		
173		
174		
175		
176		
177		
178		
179	85	0
180	0	0
181	85.00	0.00
182	18.00	0.00
183	0.05	0.05

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	H	I
184		
185	1	1
186		
187	8	8
188	32.00	32.00
189		
190	0	0
191		
192		
193		
194	58	0
195	1	1
196	23	23
197	32	32
198		
199	0	0
200		
201	0	0
202		
203		
204	0	0
205	0	0
206		
207		
208	0	0
209	0	0
210	0.05	0.05
211		
212	U	U
213		
214	0	0
215	5.00	5.00
216		
217	0	0
218		
219		
220		

	D	E	F	G
1	SCIS/MO 2.6 DATA TRANSFER SPREADSHEET	DMS100F OFFICE	DMS100F OFFICE	DMS100F OFFICE
2	Ctrl-R: set input categories for download Ctrl-S: download inputs by Subset Ctrl-T: download inputs by Office Ctrl-P: download partial offices and remotes	TAMPFLXA01T	HYPKFLXADS0	PTCYFLXA75H
3	Node Definition Inputs			
4	DMS100F	DH_HST1	DH_HST2	DH_HST3
5	Office/Remote CLLI (up to eleven characters; cannot be blank)	TAMPFLXA01T	HYPKFLXADS0	PTCYFLXA75H
6	Office/Remote Name (up to thirteen characters)	TAMPA TANDEM	HYDE PARK	PLANT CITY
7	Office/Remote Type (EO=End Office; EOT = End Office/Tandem; T=Tandem; RLCM for Remote Line Concentrating Module; RSC-S for all Remote Switching)	T	EO	EO
8	Host CLLI for Remote (required for remotes only)			
9	State (up to four characters)	FL	FL	FL
10	Tariff Area (up to ten characters)			
11	General Inputs			
12	Engineering and Traffic Data Current as of: (enter date as MM/YYYY)	01/2001	01/2001	01/2001
13	Is the office Line Equipped? (must be N for Tandem; Y for any other office or remo)	Y	Y	Y
14	Is the office Trunk Equipped? (must be Y for Hosts/Standalones; Y or N for remotes)	Y	Y	Y
15	Is the office LPP Equipped? (Y or N; Hosts/Standalones only)	Y	Y	Y
16	Is the office SS7 Equipped? (Y or N; Hosts/Standalones only)	Y	Y	Y
17	Is the office ISDN Equipped? (Y or N; Hosts/Standalones and remotes)	N	Y	Y
18	Is the office AMA Equipped? (Y or N; Hosts/Standalones only)	Y	Y	Y
19	Is the office TR-303 Equipped? (Y or N; Hosts/Standalones only)	N	Y	Y
20	Is the office Remote Equipped? (Y or N; host offices only)	N	N	N
21	HD/ABS CCS Ratio (range 1.10, 1.15, 1.20, or 1.30)	1.20	1.20	1.20
22	Network Type (Hosts/Standalones only; ENET or SNSE; see NOTE)	ENET	ENET	ENET
23	Umbilical and Other Remotes-only Data			
24	No. of umbilical links (T1's, not DS0 channels; see NOTE for range, or 'U' for system-calc)			
25	Total umbilical CCS (see NOTE for maximums; enter 'U' for system-calculation)			
26	Net percent intra-remote CCS (range 0 - 80 in increments of 10)			
27	Is this RLCM subtended off of an RSC? (Y or N; RLCMs only)	N	N	N
28	Is this a SINGLE or DUAL -RCC RSC? (RSC-S only)	SINGLE	SINGLE	SINGLE
29	CPU / Getting Started Investment			
30	Year of Switch Cutover (Hosts/Standalones only; 1970 - 2050)	2001	2001	2001
31	Upgrade CPU before switch replacement? (Y or N; Hosts/Standalones only)	N	N	N
32	Peak to Avg BH Factor (HD/ABS call ratio - Hosts/Standalones only; range 1.00 - 2.0)	1.3	1.3	1.3
33	Processor Utilization (PUF; Hosts/Standalones w/"Upgrade CPU...?" = N)			
34	Processor Type (SN60 or SN70)	SN70	SN60	SN70

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	D	E	F	G
35	Number of years to switch replacement (range 1 - 99)	10	10	10
36	Number of years to processor exhaust (range 1 - 99)	10	10	10
37	Processor utilization at cutover (range 0.01 - 100 percent)	77	7.55	7.55
38	Processor utilization in fifth year (range 0 - 100 percent)	77	7.55	7.55
39	Processor utilization at switch replacment (range 0 - 100 percent)	77	7.55	7.55
40	GS Inv Adjustments - All Hosts/Standalones with "Upgrade CPU...?" = N and All Remotes			
41	RTU fees to include in GS Inv. (capitalized; 0 - 9,999,999) - Material	592810	1005723	1170419
42	RTU fees to include in GS Inv. (capitalized; 0 - 9,999,999) - Engineering	0	0	0
43	RTU fees to include in GS Inv. (capitalized; 0 - 9,999,999) - Installation	0	0	0
44	RTU Discount Type (ND=None; BO/BR=Basic Office/Remote; SW=Software)	ND	ND	ND
45	Other investment to include in GS Investment (-9,999,999 - 9,999,999) - Material	0	0	0
46	Other investment to include in GS Investment (-9,999,999 - 9,999,999) - Engineering	0	0	0
47	Other investment to include in GS Investment (-9,999,999 - 9,999,999) - Installation	0	0	0
48	Other investment in GS Inv. - Discount Type (ND=None; BO/BR=Basic Office/Remote)	ND	ND	ND
49	Adjustment to replication (marginal capacity) inv. (-9,999,999 - 9,999,999) - Material	0	0	0
50	Adjustment to replication (marginal capacity) inv. (-9,999,999 - 9,999,999) - Engineering	0	0	0
51	Adjustment to replication (marginal capacity) inv. (-9,999,999 - 9,999,999) - Installation	0	0	0
52	Adj. to replication inv. - Discount Type (ND=None; BO/BR=Basic Office/Remote)	ND	ND	ND
53	Remote Switching Center P-Side T1 Terminations for:			
54	CDO trunks (max of 10 for SINGLE RCC2 RSC-Ss; max of 20 for DUAL)			
55	PBX trunks (max of 10 for SINGLE RCC2 RSC-Ss; max of 20 for DUAL)			
56	SMS-R hairpin specials (max of 10 for SINGLE RCC2 RSC-Ss; max of 20 for DUAL)			
57	Links to RLCMs (max of 46 for SINGLE RCC2; max of 92 for DUAL -- if not 0, min = 2)			
58	GROWABLE (Hosts/Standalones with 'Upgrade CPU...?' = Y)			
59	Initial Processor Configuration (SN60 or SN70)			
60	Switch Economic Life (switch cutover to switch replacement - range 1 - 99)			
61	Upgrade within five years from cutover? (Y or N)			
62	If not upgrading within 5 years, Processor Utilization in fifth year (range 0 - 100 percent)			
63	GROWABLE Processor Utilization Data (if 'Upgrade CPU..' = Y)			
64	Initial Year - SN60			
65	Initial Year Percent Utilization of SN60 (range 0 - 100)			
66	RTU fees for SN60 - Material (range -9,999,999 - 9,999,999)			
67	RTU fees for SN60 - Engineering (range -9,999,999 - 9,999,999)			
68	RTU fees for SN60 - Installation (range -9,999,999 - 9,999,999)			
69	RTU fees for SN60 - Discount Type (ND=None; BO=Basic Office; SW=Software)			
70	Other inv. to include for SN60 - Material (range -9,999,999 - 9,999,999)			
71	Other inv. to include for SN60 - Engineering (range -9,999,999 - 9,999,999)			
72	Other inv. to include for SN60 - Installation (range -9,999,999 - 9,999,999)			

	D	E	F	G
73	Other inv. to include for SN60 - Discount Type (ND = None; BO = Basic Office)			
74	Initial Year - SN70			
75	Initial Year Percent Utilization of SN70 (range 0 - 100)			
76	RTU fees for SN70 - Material (range -9,999,999 - 9,999,999)			
77	RTU fees for SN70 - Engineering (range -9,999,999 - 9,999,999)			
78	RTU fees for SN70 - Installation (range -9,999,999 - 9,999,999)			
79	RTU fees for SN70 - Discount Type (ND=None; BO=Basic Office)			
80	Other inv. to include for SN70 - Material (range -9,999,999 - 9,999,999)			
81	Other inv. to include for SN70 - Engineering (range -9,999,999 - 9,999,999)			
82	Other inv. to include for SN70 - Installation (range -9,999,999 - 9,999,999)			
83	Other inv. to include for SN70 - Discount Type (ND = None; BO = Basic Office)			
84	Percent utilization at end of switch economic life (range 0 - 100)			
85	Line Inputs			
86	Analog and SLC-96 Lines			
87	Number of Working Analog Lines (see NOTE for ranges)	0	24289	33977
88	Administrative Fill Factor for Analog Lines (range 0.01- 100 percent)	0	82	86
89	ABSBH O+T CCS per Analog Line (range 0.01 - 36)	0.00	2.99	2.98
90	ABSBH O+T Calls per Analog Line (range 0.01 - 50)	0.00	2.29	1.43
91	DS-30As per LCM (Hosts/Standalones and RSC-Ss only; range 2 - 6 or U)	U	U	U
92	LGC Concentration Ratio (Hosts/Standalones only - Enter '1:1, '5:4, or U)	U	U	U
93	Number of Working SLC-96 Mode I Lines (see NOTE for ranges)	0	0	0
94	Admin. Fill Factor for SLC-96 Mode I Lines (range 0.01 - 100 pct)			
95	ABSBH O+T CCS per SLC-96 Mode I Line (range 0.01 - 36)			
96	ABSBH O+T Calls per SLC-96 Mode I Line (range 0.01 - 50)			
97	DS-30s per SMS for Mode I (Host only: 3 - 16 or U)	U	U	U
98	DS-30As per SMS for Mode I (RSC-S only: 2, 3, 4, or U)			
99	No. of SLC-96 Mode I hairpin specials (Max: Host 128,000; RSC-S: 3,840 per RCC2)	0	0	0
100	Number of Working SLC-96 Mode II Lines (see NOTE for ranges)	0	0	0
101	Admin. Fill Factor for SLC-96 Mode II Lines (range 0.01 - 100 pct)			
102	ABSBH O+T CCS per SLC-96 Mode II Line (range 0.01 - 36)			
103	ABSBH O+T Calls per SLC-96 Mode II Line (range 0.01 - 50)			
104	DS-30s per SMS for Mode II (Host only: 3 - 16 or U)	U	U	U
105	DS-30As per SMS for Mode II (RSC-S only: 2, 3, 4, or U)			
106	RCC2)	0	0	0
107	Include T1 protection link for SLC-96 systems? (enter Y or N; Default Y)	Y	Y	Y
108	DMS-1 Urban (Hosts/Standalones only)			
109	Number of Working DMS-1 Urban Lines (range 0 - 128,000)	0	0	0
110	Administrative Fill Factor for DMS-1 Urban Lines (range 0.01 - 100 percent)			
111	ABSBH O+T CCS per DMS-1 Urban Line (range 0.01 - 36)			

	D	E	F	G
112	ABSBH O+T Calls per DMS-1 Urban Line (range 0.01 - 50)			
113	Number of DMS-1 Urban hairpin specials (range 0 - 128,000)	0	0	0
114	No. of T-1 links per DMS-1 Urban remote terminal (range 2 - 8 or U)	U	U	U
115	Trunk Inputs			
116	Number of Local Analog Trunks (DS0 channels - Hosts/Standalones only; Max 60,000)			
117	Administrative Fill Factor for Local Analog Trunks (range 0.01 - 100 percent)			
118	ABSBH CCS per Local Analog Trunk (range 0.01 - 36)			
119	ABSBH Outg. + Incmg. Calls per Local Analog Trunk (range 0.01 - 200)			
120	Number of Local Digital Trunks (DS0 channels - Hosts/Standalones or RSC-Ss - see NOTE)	0	3216	3072
121	Administrative Fill Factor for Local Digital Trunks (range 0.01 - 100 percent)	95.00	95.00	95.00
122	ABSBH Outg. + Incmg. CCS per Local Digital Trunk (range 0.01 - 36)	0.00	30.00	28.00
123	ABSBH Outg. + Incmg. Calls per Local Digital Trunk (range 0.01 - 200)	0.00	11.72	10.07
124	Number of Tandem Analog Trunks (DS0 channels - Hosts/Standalones only; Max 60,	0	0	0
125	Administrative Fill Factor for Tandem Analog Trunks (range 0.01 - 100 percent)			
126	ABSBH Outg. + Incmg. CCS per Tandem Analog Trunk (range 0.01 - 36)			
127	ABSBH Outg. + Incmg. Calls per Tandem Analog Trunk (range 0.01 - 200)			
128	Number of Tandem Digital Trunks (DS0 channels; Hosts/Standalones only; Max 60,0	60000	0	0
129	Administrative Fill Factor for Tandem Digital Trunks (range 0.01 - 100 percent)	100	95.00	95.00
130	ABSBH Outg. + Incmg. CCS per Tandem Digital Trunk (range 0.01 - 36)	30.00	0.00	0.00
131	ABSBH Outg. + Incmg. Calls per Tandem Digital Trunk (range 0.01 - 200)	12.71	0.00	0.00
132	Pct of Local Digital Trunks that are DS0 CCC (Hosts/Standalones; range 0 - 100)	100	100	100
133	Pct of Tandem Digital trunks that are DS0 CCC (Hosts/Standalones only; range 0 - 100)	100	100	100
134	Pct of Outg. + Inc. calls using inband signaling (Hosts/Standalones only; range 0 - 100)			
135	Link Peripheral Processor Inputs			
136	LPP Type (Enter either FULL for Full LPP or SINGLE for Single Shelf FLIS)	full	full	full
137	No. of slots used (1 - 612 or U; Max. 108 for FULL with SNSE; 24 for Single Shelf)	U	U	U
138	Number of Ethernet links (0-612; max. 108 for FULL with SNSE, 24 for Single Shelf)			
139	DS0 DataSPAN channels on non-dedicated T1's (0-14,688; max. 2,592 for FULL with SNSE, 576 for Single Shelf)			
140	Dedicated DataSPAN T1's (0-612; max. 108 for FULL w/SNSE, 24 for Single Shelf)			
141	AMA Inputs			
142	Dedicated AMA Equipment Type (see NOTE for valid types)	2GB	2GB	2GB
143	Net AMA Investment (if Equipment Type is USER; range 0-9,999,999) - Material			
144	Net AMA Investment (if Equipment Type is USER; range 0-9,999,999) - Engineering			
145	Net AMA Investment (if Equipment Type is USER; range 0-9,999,999) - Installation			
146	Net AMA Inv. Discount Type (if Equip. Type is USER; ND = No Discount; BO = Basic Office)			
147	AMA call storage capacity (if Equipment Type = USER; range 1-99,999,999)			

	D	E	F	G
148	SS7 Inputs (Hosts/Standalones only)			
149	Calendar year of initial SS7 installation (range 1980 - 2050)	2000	2000	2000
150	Economic life, in years, of SS7 link termination equipment (range 1- 99)	10	10	10
151	SS7 signaling link type (LPP56 for 56kbps links or LPP64 for 64kbps CCC links)	LPP56	LPP56	LPP56
152	Year of Initial installation (Preset to calendar year of initial SS7 installation)	2000	2000	2000
153	Initial Number of Link Pairs (Maximum total link pairs: 306 for Full LPP; 54 for FULL LPP w/SNSE; 12 for Single Shelf LPP)	1	1	1
154	Percent utilization at initial installation (range 0.01 - 100)	40	40	40
155	Year of first upgrade			
156	First upgrade - link pairs added (Maximum total link pairs: 306 for Full LPP; 54 for FULL LPP w/SNSE; 12 for Single Shelf LPP)			
157	Percent utilization at time of first upgrade (range 0 - 100)			
158	Year of second upgrade			
159	Second upgrade - link pairs added (Maximum total link pairs: 306 for Full LPP; 54 for FULL LPP w/SNSE; 12 for Single Shelf LPP)			
160	Percent utilization at time of second upgrade (range 0 - 100)			
161	Year of third upgrade			
162	Third upgrade - link pairs added (Maximum total link pairs: 306 for Full LPP; 54 for FULL LPP w/SNSE; 12 for Single Shelf LPP)			
163	Percent utilization at time of third upgrade (range 0 - 100)			
164	Percent utilization at end of SS7 economic life (range 0-100)	100	100	100
165	TR-303 Inputs (Hosts/Standalones only)			
166	Number of POTS Lines (range 0 - 128,000)	0	0	0
167	ABSBH O+T CCS per POTS line (range 0.01 - 36)	0.00	2.99	2.98
168	Administrative Fill Factor for TR-303 Lines (range 0.01 - 100 percent)	0.00	82.01	86.01
169	Number of hairpin special service lines (range 0 - 128,000)			
170	Total Number of TR-303 remote terminals terminating on SMA2 (range 0 - 40)	0	2	6
171	Number of ISDN BRI lines (range 0 - 32,704)			
172	ABSBH O+T CCS per BRI Line (range 0.01 - 72)			
173	Data Packets Per Second (PPS) per BRI D-Channel (range 0.05 - 0.40)			
174	Average D-Channel packet data terminals per BRI (range 0 - 8)			
175	Permanent Packet B (PPB) data channels (Maximum 2 per ISDN Line)			
176	Packets Per Second (PPS) per PPB (range 0 - 32)			
177	ISDN Inputs - Hosts/Standalones and RSC/Ss			
178	Basic Rate Interface (BRI) on Non-DLC (LCMEs)			
179	No. of lines on U Cards (Max: Host 32,704; RSC/I: 479 per RCCI; RSC/S: 958 per RC)	0	182	145
180	No. of lines on T Cards (Max: Host 32,704; RSC/I: 479 per RCCI; RSC/S: 958 per RC)	0	0	0
181	BRI Administrative Fill Factor (range 0.01 - 100 percent)	0.00	82.00	86.00
182	ABSBH Orig. + Term. CCS per BRI Line (range 0.01 - 72)	0.00	18.00	17.05

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	D	E	F	G
183	Data Packets Per Second (PPS) per BRI D-Channel (range 0.05 - 0.40)	0.05	0.05	0.05
184	Average D-Channel packet data terminals per BRI (range 0 - 8)			
185	Number of LCMes per LGCI (Hosts/Standalones only; Enter 1 or 2, or U for system-	1	1	1
186	Non-DLC BRI Permanent Packet B			
187	Number of PPB channels served by U and T cards (Maximum 2 * (U Lines + T Lines	8	8	8
188	Packets per Second (PPS) per PPB (range 0 - 80)	32.00	32.00	32.00
189	Analog Lines on LCMes			
190	No. Analog Lines on LCMes (Max: Host 32,704; RSC/I: 479 per RCCI; RSC/S: 958 per RCC2)	0	0	0
191	ABSBH Orig. + Term. CCS per Analog Line on LCMes (range 0.01 - 36)			
192	ABSBH Orig. + Term. Calls per Analog Line on LCMes (range 0.01 - 50)			
193	Primary Rate Interface (PRI - Hosts/Standalones only)			
194	Number of PRI (range 0 - 2560)	0	25	10
195	Number of T1's per PRI D channel (range 1 - 20)	1	1	1
196	Number of PRI PPB channels (range 0 - 23 x number of PRI)	23	23	23
197	Packets per Second (PPS) per PRI PPB channel (range 0 - 80)	32	32	32
198	Packet Trunking (Hosts/Standalones only)			
199	Number of X.75 trunks (range 0 - 100)	0	0	0
200	Packets per Second (PPS) per X.75 trunk (range 0.01 - 80)			
201	Number of X.75' trunks (range 0 - 100)	0	0	0
202	Packets per Second (PPS) per X.75' trunk (range 0.01 - 80)			
203	BRI on Integrated DLC (SMUs - Hosts/Standalones only)			
204	Number of 2B+D lines (range 0 - 32,704)	0	0	0
205	Number of 1B+D lines (range 0 - 32,704)	0	0	0
206	Administrative Fill Factor (range 0.01 - 100 percent)			
207	ABSBH Orig. + Term. CCS per BRI Line (range 0.01 - 72)			
208	No. of 2-wire hairpin special service lines (Hosts/Standalones only; range 0 - 32,704)	0	0	0
209	No. of 4-wire hairpin special service lines (Hosts/Standalones only; range 0 - 32,704)	0	0	0
210	Data Packets Per Second (PPS) per BRI D-Channel (range 0.05 - 0.40)	0.05	0.05	0.05
211	Average D-Channel packet data terminals per BRI (range 0 - 8)			
212	Number of T1's per remote terminal (range 2 - 8 or U for system-calculation)	U	U	U
213	Integrated DLC BRI Permanent Packet B (Hosts/Standalones only)			
214	Number of PPB channels (Maximum is (2 * No. of 2B+D Lines) + No. of 1B+D Lines)	0	0	0
215	Packets per Second (PPS) per PPB (range 0 - 80)	5.00	5.00	5.00
216	POTS Lines on ISDN Integrated DLC (Hosts/Standalones only)			
217	Number of POTS Lines (range 0 - 32,704)	0	0	0
218	ABSBH Orig. + Term. CCS per POTS Line (range 0.01 - 36)			
219	ABSBH Orig. + Term. Calls per POTS Line (range 0.01 - 50)			
220	END OF DMS-100F INPUTS -- DO NOT DELETE THIS ROW			

	H	I
1	DMS100F OFFICE	DMS100F OFFICE
2	WNHNFLXC29H	TAMPFLXA02T
3		
4	DH_HST4	DH_HST5
5	WNHNFLXC29H	TAMPFLXA02T
6	WINTER HAVEN	TAMPA TANDEM
7	EO	T
8		
9	FL	FL
10		
11		
12	01/2001	01/2001
13	Y	Y
14	Y	Y
15	Y	Y
16	Y	Y
17	Y	N
18	Y	Y
19	Y	N
20	N	N
21	1.20	1.20
22	ENET	ENET
23		
24		
25		
26		
27	N	N
28	SINGLE	SINGLE
29		
30	2001	2001
31	N	N
32	1.3	1.3
33		
34	SN70	SN70

	H	I
35	10	10
36	10	10
37	7.55	45
38	7.55	45
39	7.55	45
40		
41	1201648	592810
42	0	0
43	0	0
44	ND	ND
45	0	0
46	0	0
47	0	0
48	ND	ND
49	0	0
50	0	0
51	0	0
52	ND	ND
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
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72		

	H	I
73		
74		
75		
76		
77		
78		
79		
80		
81		
82		
83		
84		
85		
86		
87	35814	0
88	85	0
89	2.82	0.00
90	1.87	0.00
91	U	U
92	U	U
93	0	0
94		
95		
96		
97	U	U
98		
99	0	0
100	0	0
101		
102		
103		
104	U	U
105		
106	0	0
107	Y	Y
108		
109	0	0
110		
111		

	H	I
112		
113	0	0
114	U	U
115		
116		
117		
118		
119		
120	2832	0
121	95.00	95.00
122	30.00	0.00
123	9.49	0.00
124	0	0
125		
126		
127		
128	0	60000
129	95.00	100
130	0.00	30.00
131	0.00	12.71
132	100	100
133	100	100
134		
135		
136	full	full
137	U	U
138		
139		
140		
141		
142	2GB	2GB
143		
144		
145		
146		
147		

	H	I
148		
149	2000	2000
150	10	10
151	LPP56	LPP56
152	2000	2000
153	1	1
154	40	40
155		
156		
157		
158		
159		
160		
161		
162		
163		
164	100	100
165		
166	0	0
167	2.82	0.00
168	85.00	0.00
169		
170	7	0
171		
172		
173		
174		
175		
176		
177		
178		
179	85	0
180	0	0
181	85.00	0.00
182	18.00	0.00

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	H	I
183	0.05	0.05
184		
185	1	1
186		
187	8	8
188	32.00	32.00
189		
190	0	0
191		
192		
193		
194	58	0
195	1	1
196	23	23
197	32	32
198		
199	0	0
200		
201	0	0
202		
203		
204	0	0
205	0	0
206		
207		
208	0	0
209	0	0
210	0.05	0.05
211		
212	U	U
213		
214	0	0
215	5.00	5.00
216		
217	0	0
218		
219		
220		

No.	File	Contract Number and Description	Vendor	Expiration	Effective Date	Pricing Reference	Comments
1	c991203pc002 amend 2 gte upgrade final.doc	AMENDMENT NUMBER 2 to 5E14 Switching No. C991203PC002	LUCENT TECHNOLOGIES INC.		July 1, 2000	Section 7, page 4	File 5ESS GLP is referenced.
2	5ESS GLP.xls	GLP List reference in contract C991203PC002	LUCENT TECHNOLOGIES INC.		July 1, 2000		
3	VW Switch Agmt clean.do	SWITCHING NETWORK AGREEMENT NO. C001203PC001	Nortel Networks Inc.	December 31, 2003,	January 15, 2001	See comments	Actual pricing information is indicated in the attachments(file "VerizonW Att B SW and Att C. HW v12.11.xls" and "Att D Func Desc v12.8doc".
4	VerizonW Att B SW and Att C HW v12.11.xls	SWITCHING NETWORK AGREEMENT NO. C001203PC001-Attachment B and C	Nortel Networks Inc.	December 31, 2003,	January 15, 2001	Worksheet "West HW & SRVCS Pricing Att. C"	Item 9 is Line growth and item 11 is trunk growth.
5	Att D Func Desc v12.8doc	SWITCHING NETWORK AGREEMENT NO. C001203PC001-Attachment D	Nortel Networks Inc.	December 31, 2003,	January 15, 2001	See comments	Line and trunk definitions and detail price information, per product line.
6	fingida.doc	Agreement No. C991203BC002, GENERIC SOFTWARE AND INFRASTRUCTURE HARDWARE DEPLOYMENT AGREEMENT BETWEEN GTE SERVICE CORPORATION and AG COMMUNICATION SYSTEMS CORPORATION	AG COMMUNICATION SYSTEMS CORPORATION	December 31, 2001	June 1, 1999	Section 3, paragraph (e) for trunks and (f) for lines.	For additional trunk pricing information, reference exhibit C.

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**NETWORK PLANNING
GUIDELINE**

NP-G-99-021 ISSUE 1: December 2000

Litespan-2000 Guidelines Clarification

This is being issued to clarify a statement found in Section 3.2.8 paragraph 5 page 16 of the Litespan-2000 Application Guidelines that was approved on 11/21/00. The statement that needs clarification is: *Each structure must be equipped with enough hardware/channel banks to accommodate both a 35% take rate for DSL plus the ultimate POTS demand and equipped with plugs as per Outside Plant Engineering Guidelines 1998-00397-OSP – East and PAR074 – West.*

The use of the word ultimate in the statement above was in question as to its meaning in the context of the Litespan Application Guidelines and the Outside Plant Planning Guidelines. In some cases, ultimate was being miss-interpreted, which lead to a deviation from the constraint of 1998-00397-OSP that specifically states that hardware/channel banks are to be placed to meet service demands over a three-year planning cycle. To alleviate the ambiguity of the current statement, it is being re-written as shown below:

Each structure must be equipped with enough hardware/channel banks to accommodate both a 35% take rate for DSL plus the demand for POTS and other services and equipped with plugs as defined in the Outside Plant Engineering Guidelines 1998-00397-OSP – East and PARA074 – West.

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**NETWORK PLANNING
GUIDELINE**

NP-G-99-021, ISSUE 1.0, November, 2000

Litespan-2000 Application Guidelines

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NETWORK PLANNING

NP-G-99-021

ISSUE 1.0

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1.0 SUBJECT:

Guidelines for deploying Alcatel's Litespan-2000 NGDLC (Next Generation Digital Loop Carrier) product.

2.0 OVERVIEW:

This document provides guidelines for the deployment of Alcatel's Litespan-2000 product throughout the Verizon footprint. **The document also provides specific guidelines for pre-positioning all new Litespan systems (COTs & RTs) to support integrated DSL services. It also provides guidelines for pre-positioning new Litespan RTs connected to existing COTs that are completely unused or have the second route (West optics) spare.** It does not address upgrading the embedded RT base. This will be addressed in a future release of this document. The Litespan-2000 is a large size NGDLC product that is currently deployed throughout the entire Verizon footprint.

2.1 EXECUTIVE SUMMARY:

This is the first Application Guideline for the Litespan NGDLC system issued in Verizon since the merger of Bell Atlantic (Verizon East) and GTE (Verizon West). As such, these guidelines apply to the entire footprint and supercede guidelines pertaining to Litespan deployments issued prior to the merger.

Effective immediately, all new Litespan systems (COT & RT) deployed in **Verizon East** will be installed using software release 10.2.X via TR-008 LFACS X-BOX or if DLE/SA has been implemented within the CO, then all NGDLC systems should be turned-up utilizing DLE/SA. If there are existing COTs equipped with release 7.2.3 and there are no working RTs attached, then the COTs should be upgraded to release 10.2.X (change SBMs to SCUs loaded with 10.2.X) prior to connecting a new RT. Additionally, if there are existing COTs equipped with 7.2.3 with one route (East optics) working, then both the COTs and existing RTs must be upgraded to release 10.2.X prior to connecting the new RTs to the second route (West optics). A comprehensive upgrade procedure is being developed by Alcatel for Verizon and will be available with the approval of 10.2.X.

Likewise, all new Litespan systems deployed in **Verizon West** must be installed with software release 10.2.X in a GR-303 mode. However, if there are existing COTs equipped with release 8.2.5 (SESS/DMS) or 8.3.1 (GTD5) and there are no working RTs attached, then the COTs should be upgraded to 10.2.X prior to connecting a new RT. Additionally, If there are existing COTs equipped with 8.2.5 (SESS/DMS) or 8.3.1 (GTD5) with one route (East optics) working, then both the COTs and existing RTs must be upgraded to release 10.2.X prior to connecting the new RTs to the second route (West optics). A comprehensive upgrade procedure is being developed by Alcatel for Verizon and will be available with the approval of release 10.2.X.

Additionally, all new Litespan RT nodes must be pre-configured (hardware/channel banks) and deployed to support both POTS and integrated DSL (Digital Subscriber Line) except in MDUs

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(multiple dwelling units) and other special applications (see sections 3.2.7 & 3.2.8 for details). However, Verizon may not order or install any equipment (Plugs (ABCUs & ADLUs) & Optical Concentrator Devices (OCDs)) that will be used to provide Advanced Services at this time. POTS and integrated DSL are available with the approval of software release 10.2.X. Remaining testing on 10.2.X is scheduled to complete in December 2000.

In September 2000, the FCC granted a waiver to SBC to offer wholesale DSL service utilizing integrated narrowband and DSL capable cards (combo cards). Assuming that Verizon receives the same relief and same capability, Verizon has decided to pre-position all new Litespan deployments to support both POTS and integrated DSL. This document provides planning information for use in pre-positioning Litespan DSL capable hardware in all enclosure deployments. (see sections 3.2.7 & 3.2.8).

Software upgrades of the embedded base from 7.2.3 or 8.2.5/8.3.1 to 10.2.X and beyond are not recommended at this time. However, upgrades from 7.2.3 or 8.2.5/8.3.1 to 10.2.X & beyond are recommended for all existing systems (COTs & RTs) to which new RT nodes pre-positioned to support both POTS and integrated DSL will be connected. Additional guidelines for upgrading the embedded base will be developed and made available during 1Q2001.

Effective immediately, all new Litespan system COTs will be installed with the DFR (Dual Feeder Route) software key. However, the DFR software key must not be activated until the West route is being used. Verizon East has purchased the DFR software for the life of the current contract with Alcatel (through 2003 - East). Use of DFR will more effectively utilize Litespan's bandwidth and save approximately \$19,000 (East) per COT installation in first costs.

Upgrades of existing Litespan installations to DFR is encouraged provided the existing COT configuration will support the additional route.

Likewise, use of the Litespan Tandem Remotes (Multiple Remote Terminals) architecture is encouraged provided Litespan feeder route bandwidth restrictions are observed and the RT sites are available for maintenance access on a 7 x 24-hour basis.

Effective immediately, all new Litespan COT installations in Verizon East will be installed in the standard COT configuration described in Section 3.2.4. Litespan COT configurations in Verizon West will follow the present method of operation (PMO).

All new Litespan COT installations in Verizon East will eventually be deployed in the DLE/SA mode rather than the LFACS X-BOX mode in districts that have completed DLE/SA training. There are no plans to upgrade previously installed Litespan systems using the LFACS X-BOX mode to DLE/SA.

Litespan is also approved when deployed as an optical extension from an existing SONET (Lucent/Fujitsu -East) and (Fujitsu/Nortel - West) platform. (See section 3.4)

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2.2 REASON FOR REISSUE:

This is the first issue of the Litespan-2000 Application Guidelines. Future issues will reflect any 10.2.X/11.0 features/functionality not addressed in issue 1.0 once 10.2.X/11.0 has completed testing and has been formally approved for use in Verizon. Future issues will also reflect updated DSL guidelines for Litespan.

3.0 DETAILS:

3.1 BACKGROUND:

The Litespan-2000 is a Next Generation Digital Loop Carrier (NGDLC) system approved for use throughout Verizon. This product is manufactured by Alcatel-USA, which acquired DSC in a 1998 merger.

In the past, Litespan-2000 was primarily deployed in the TR-008 or TR-057 modes in Verizon East and TR-57 or GR-303 in Verizon West. However, the Litespan-2000 will be fully approved for GR-303 & DLE/SA applications once release 10.2.X successfully completes testing. DLE/SA is an acronym for Digital Loop Electronic/Service Activation. DLE/SA is a suite of Telcordia software, utilizing the legacy OSS's used in Verizon East to provision and activate service on select NGDLC and FITL/FTTH platforms. GR303 technology requires Litespan software generic 7.2.3 or higher. The DLE/SA method of inventory creation is required in the East's OSS's for proper assignment and flow-through service activation of DS0 level services.

Release 7.2.3, which was approved on 5/13/99 (Network Planning Document NP IL 99-069, issue 2 (East)) supports GR-303 Single Interface Group, GR-303 integration, ISDN quarter timeslot assignment with GR-303 and full ISDN in both the east and west routes. Note: Prior to the formal approval of release 10.2.X, GR303 DLE/SA Litespan deployments using 7.2.3 are only approved for project Renaissance in Passaic, NJ and in other specific locations identified and managed by the Technical Management group within Network Planning. Software release 8.2.5/8.3.1 are the only releases approved for use in the Verizon West footprint.

Additionally, 7.2.3 corrects an access security "bug" that resulted in a major outage in 1997. For this security fix and for Y2K compliance issues, the Outside Plant Network Services Staff Letter 1999-00201-OSP directs a wholesale upgrade of all existing Litespan systems to Release 7.2.3 by December 31, 2000 (VZ-East).

3.2 LITESPAN-2000 NETWORK ARCHITECTURE:

The Litespan-2000 is a fiber fed NGDLC product that interfaces to Verizon's 5ESS and DMS-100 digital switches via TR-008, GR-303 & DLE/SA inventory format and as a UDLC (TR-57) in the Verizon East

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footprint. Likewise, the Litespan-200 is a fiber and copper fed NGDLC product that interfaces Verizon's 5ESS, DMS-100 and GTD5 digital switches in the integrated mode via GR-303 and as a UDLC (TR-057) in the Verizon West footprint. Litespan 2000 interfaces to the Siemens EWSD switches via TR-057 and TR-008 only (there are no plans to test GR-303 interoperability with the Siemens switch at this time). It can be deployed in a point-to-point, dual feeder route or point-to-multi-point/tandem remote architectures, which are described in Section 3.2.1.

The Litespan-2000 supports a full range of services namely: POTS, UVG, CLASS, Coin, Centrex, ISDN, 2 & 4 wire specials, and DS-1s. All of these services are currently provisioned on existing Litespan-2000s. With additional hardware and software generic 10.2.X, Alcatel's Litespan-2000 will also support DSL services.

3.2.1 GENERAL LITESPAN-2000 ARCHITECTURE:

Each Litespan terminal consists of three major subsystems: a Common Control Assembly (CCA), Channel Bank Assemblies (CBA), and distributed power architecture integral to each CCA and CBA.

The Common Control Assembly houses three equipment groups:

- The common optical group provides the optical/electrical interface for the system and provides both the receive and the transmit optics used between the Central Office Litespan Terminal and the Litespan Remote Terminal(s).
- The CCA common equipment group includes the Litespan SONET formatting circuits, provides time slot interchange (TSI) functionality, and provides overall control of the Litespan system.
- The CCA common support group controls all alarm functions and provides power distribution for the CCA (plug-in) units.

Each Litespan terminal can be equipped with up to nine Channel Bank Assemblies. CBAs can be wired for narrowband only, wideband only, or for both narrowband and wideband. Each CBA contains 56 channel unit slots. If wired for wideband (DS-1), a CBA can contain up to 56 DS-1 or T1 interface plug-ins. If wired for narrowband, each slot could contain a four-line card unit (e.g. CPOTS or RPOTS) to provide 224 VF lines per CBA or up to 2016 lines with all nine CBAs. Additionally, CBAs can be equipped with dual POTS/DSL plugs to provide a maximum of 112 POTS + 112 DSL lines per CBA.

Litespan can be deployed in a point-to-point, dual feeder route (COT to east and west OC-3 optical routes) or multiple remotes as illustrated in Figures 1 and 2.

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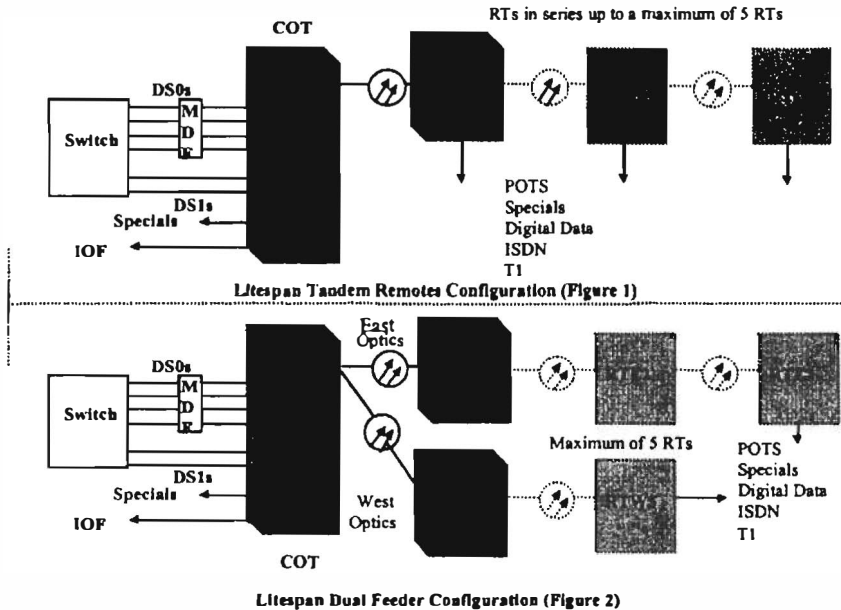
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In a point-to-point configuration, an OC-3 fiber facility interconnects the Remote Terminal (RT) and the Central Office Terminal (COT). In a dual feeder (point-to-multi-point) configuration two OC-3s, one for each feed, interconnects two RTs to a single COT. In a tandem remote configuration, up to five RTs can interconnect a single COT. The five RTs can be supported through the point-to-point and/or dual feeder route configuration. When the point-to-point configuration is utilized as a tandem remote, four additional RTs can be optically extended from the first RT. However, the total bandwidth (capacity) back to the COT cannot exceed the capacity of the single OC-3 (2016 DS0s) feed. When the dual feeder route (East & West) is utilized as a tandem remote, three additional RTs can be extended from the two initial RTs. However, the total bandwidth (capacity) back to the COT cannot exceed the capacity of the two OC-3 (4032 DS0s) feeds with each individual OC-3, one East & one West limited to its OC-3 capacity.

3.2.2 CURRENT VERIZON EAST (FORMER BA - SOUTH) LITESPAN-2000 COT CONFIGURATION:

Verizon East (BA - South) currently deploys Litespan-2000 systems with the minimum standard COT configured as shown in Figure 3 below.

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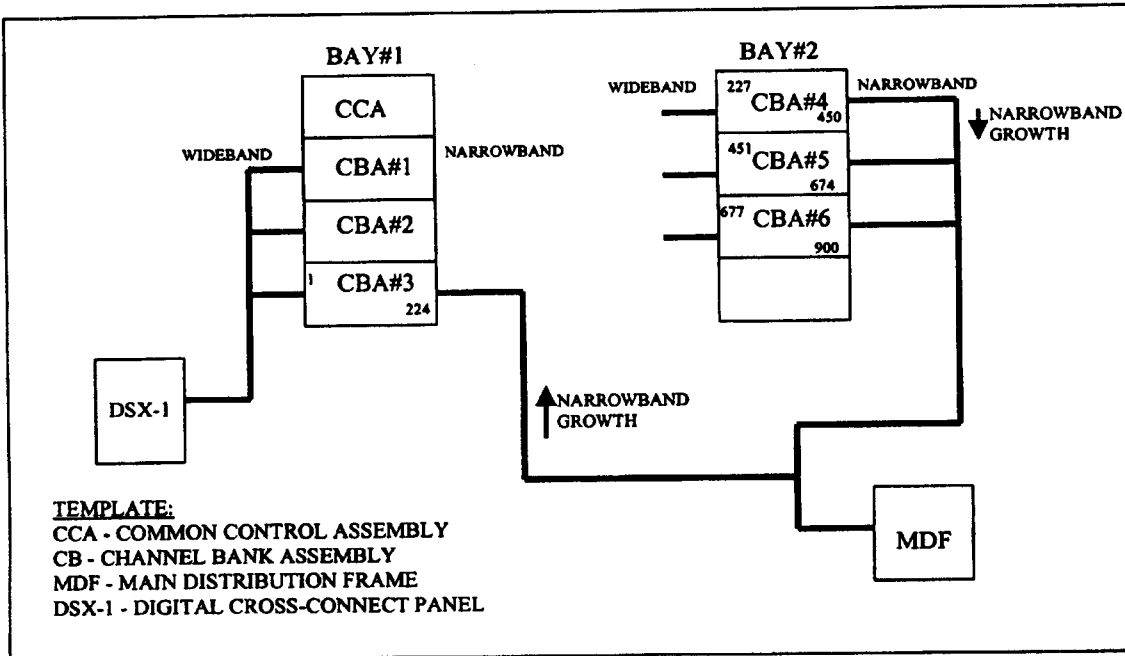
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FIGURE 3
LITESPAN 2000
COT CONFIGURATION & CABLING - VERIZON EAST (BA SOUTH)



The minimum standard COT consists of six CBAs. CBA# 1 & 2 are wired only to the DSX panel and provide the DS-1 terminations required to interface to the CO switches and to provide HCDS services through the Litespan system. CBA# 4, 5 & 6 are wired only to the MDF and are used for narrowband (universal – DS0) terminations only. CBA# 3 is wired to both the DSX panel and the MDF. CBA# 3 is primarily used for DS-1 switch terminations, but only after exhausting the capacity of CBA# 1 & 2 for DS-1 terminations. CBA# 3 can be used for narrowband (DS0) services, but only after exhausting the capacity of CBA# 4, 5 & 6 for DS0 services. (NOTE: Channel banks 7, 8 and 9 can be added, frame space permitting, to provide additional MDF terminations. The added channel banks must be within 15 feet of the CCA).

3.2.3 CURRENT VERIZON EAST (FORMER BA - NORTH) LITESPAN-2000 COT CONFIGURATION:

Verizon East (BA – North) currently deploys Litespan-2000 systems with the minimum standard COT configured as shown in Figure 4 below.

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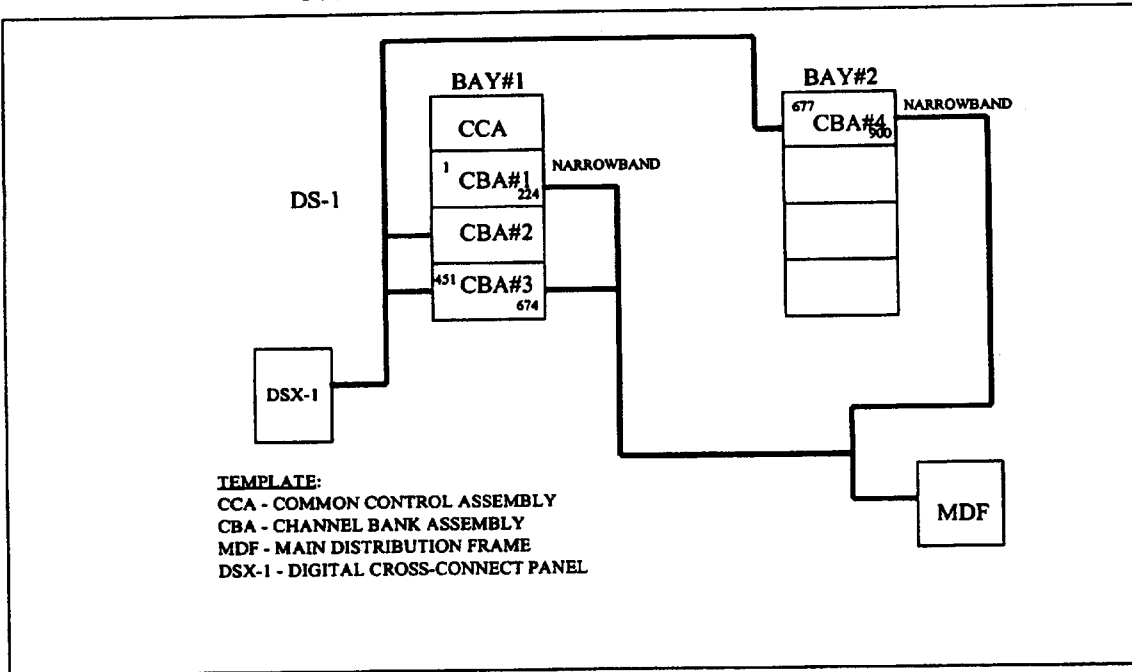
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FIGURE 4
LITESPAN 2000
COT CONFIGURATION & CABLING - VERIZON EAST (BA- NORTH)



The Minimum standard COT consists of four CBAs. CBA# 1 is wired to the MDF and is reserved for special (DS0) services. CBA# 2 is wired to the DSX panel and is used for DS-1 switch terminations. CBA# 3 & 4 are wired to both the DSX panel and the MDF and are used for DS-1 switch terminations once CBA#2 is exhausted. If there is a need for more special services than can be provisioned by CBA#1, then additional CBAs (5 through 9) should be added, wired to the MDF, and used for DS0 terminations. If CBA#5-9 are fully utilized, then first CBA#4 and second CBA#3 could be utilized for special services.

3.2.4 NEW VERIZON EAST STANDARD LITESPAN-2000 COT CONFIGURATION:

In Verizon East, the Litespan-2000 platform is currently deployed in the TR-008 LFACS X-BOX mode except for a few locations where it is deployed in a GR-303 DLE/SA mode. For assignment purposes, the LFACS X-BOX model uses cable and pairs (PGXXXX/PGLXXXX) to represent all circuits. The Litespan-2000 LFACS X-BOX model uses Time Slot Inter-changer (TSI) for interconnecting these integrated services. However, BA North and South currently utilize different M&Ps for implementing TSI connectivity.

In Verizon East (former BA – South), the systems and processes support interconnection of the NGDLC

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bandwidth at the DS0 level. As stated above this means that any CB/SLOT/CIRCUIT in the COT can be connected to any CB/SLOT/CIRCUIT in the RT. A COT DS0 (PG) time slot has an associated "LT status" and can be connected to any RT DS0 (PGL) timeslot with the same associated "LT status". This TSI connectivity allows for service to be electronically routed to any of the Serving Area Interfaces (SAI) being fed from the system at the RT.

Therefore, all 56 slots in each RT CBAs are used for a DS0 system capacity maximum of 2016 per nine channel banks.

Verizon East (BA - North) does TSI connections at the DI-Group level (24 DS0s). A DS1 CB/SLOT (24 DS0s) is connected to 6 RT CB/SLOTS (4 DS0s each) positions at the RT. This results in "LT Status" association at the DS1 level. The 24 COT DS0 paths would all have the same associated "LT Status" code and would be "nailed" up to the 6 RT CB/SLOTS. All are within the same CBA. The 4 DI-groups in a TR-008 Interface Group (IG) are often interconnected to 4 consecutive "6 packs" in the RT for ease of input. This increases the "nailed up" universe of connections to 96 DS0s. The 96 PG DS0s would be connected to a 96 DS0 PGL count at the RT which is typically spliced to a SAI being fed by the RT. Even if the feeder/growth requirement for the SAI were less than 96 DS0s, the 96 PGL pairs are often terminated in the SAI. Allocating and terminating these pairs in increments of 96 lines can result in the inefficient use of RT, COT, and switch peripheral (IDCUs & SMAs) equipment. The reduced flexibility of this TSI method doesn't allow for full electronic routing of services to the SAIs being fed from the system.

Because all the RT slot assignments are in increments of 6, slots 55 and 56 are not used. This reduces the RT system's DS0 capacity by 72 DS0s to 1944 (3.6% reduction) per nine channel banks.

The TSI assignments are done this way in BAN because of the way the TIRKS E-1 models were constructed. The TIRKS models will only accept assignments in the 1 DS1U (one 24 DS0 "pipe") to 6 RT channel units (6 - 4 DS0 "pipes") configuration.

The inefficiencies, both capital and engineering associated with the LFACS X-BOX TSI connectivity in BA-North will be eliminated with the conversion to the TR-008 LFACS X-BOX TSI connectivity method used in BA-South or GR-303 DLE/SA connectivity. Therefore, new OSP, TIRKS E1 & F1 methods must be developed to support TR-008 LFACS X-BOX TSI connectivity for the former BA-North footprint.

DLE/SA uses Access Ids (AIDs) which are identified by channel bank designation, slot designation, and circuit number designation. With DLE/SA implementations, there are major changes that affect the Outside Plant/OSP engineering work order, Central Office engineering, TIRKS, LFACS, LMOS etc. Therefore, DLE/SA can only be implemented after the required M&Ps and training for DLE/SA has taken place in these centers.

Commencing with the approval of these guidelines, Verizon expects to deploy a standard COT configuration across the Verizon-East footprint. The new COT will be deployed in a TR-008 LFACS X-BOX mode or DLE/SA in COs that have been converted to DLE/SA. Currently, the driver for DLE/SA training is GR-303. Once GR-303 (and the DLE/SA training is completed) is available within an area,

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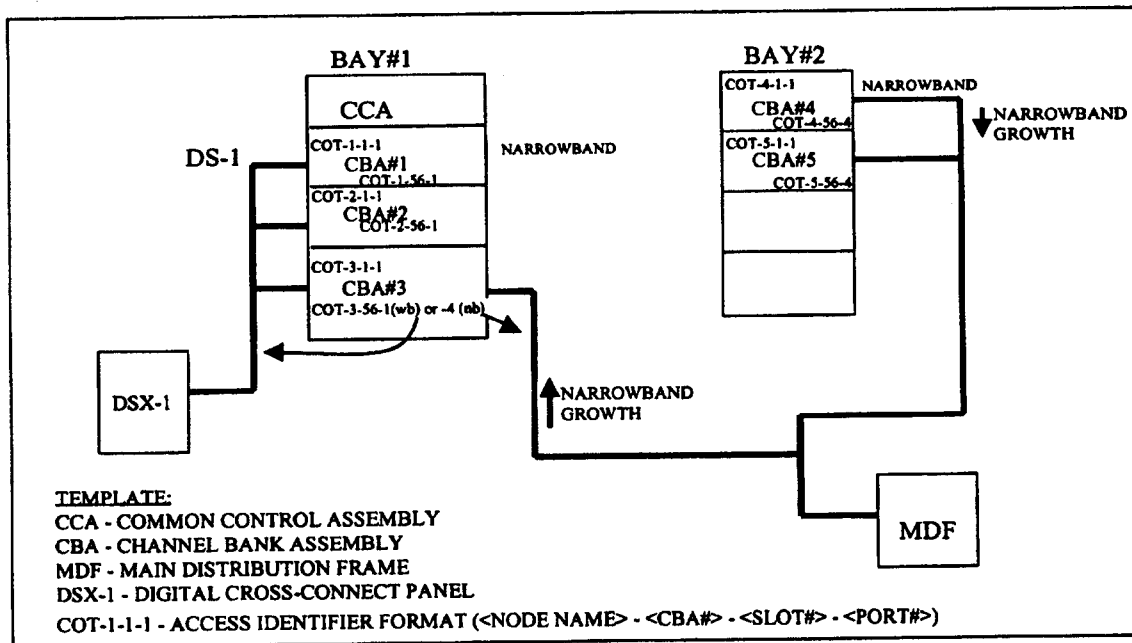
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then all new systems, both GR-303 & TR-008, must be deployed with the DLE/SA model. At that time, all new Litespan COTs must be configured as shown in Figure 5.

FIGURE 5
LITESPAN 2000
COT CONFIGURATION & CABLING - DUAL FEEDER ROUTE
VERIZON-EAST



All new COTs should be configured with five CBAs initially. (Note, as in all new installations, the engineer should estimate the universal requirements over the life of the system and add additional CBAs if they are clearly needed. The engineer should also consider wiring restrictions between the CCA and CBAs). CBA# 1 & 2 should be wired exclusively to the DSX panel. These terminations are for DS-1 interfaces to the local switches or for transport. CBA# 3 should be wired to both the DSX-1 panel and the MDF. CBA# 3 should be reserved for DS-1 terminations to the switch in TR-008/future GR-303 applications, HCDS transport and INA/Tandem digroups. However, it can be used for narrowband (DS0) services if the capacity of all available CBAs within the second bay have been exhausted. CBA#3 will only be required for DS-1 terminations in TR-008 and or GR-303 Dual Feeder Route applications when the requirements in all of the subtending RTs exceed 112 DS-1s.

CBA# 4 & 5 are wired exclusively to the MDF and are used for narrowband services. The remaining shelf space in the second bay may be utilized for High Density Fiber Banks (HDFB) if Starspan is a requirement for the COT installation (See Section 3.3.2). If Starspan is not a requirement, CBA #6 and CBA#7 can be added for narrowband terminations if all narrowband requirements cannot be satisfied by

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CBAs 3, 4 and 5. If CBAs 8 & 9 were required for even more narrowband terminations, they must be placed in a third bay adjacent to (on either side of) the first two bays.

Finally, all new COTs must be implemented with the Dual Feeder Route Software Key installed as part of the standard configuration. Also the use of Litespan in its Dual Feeder Route configuration greatly reduces Verizon's capital expenditures, real estate requirements and increases the utilization capacity of the Litespan COT. CAUTION: The DFR feature should not be placed in service until the West optics and SONET Formatter Units are installed in the COT Common Control Assembly.

3.2.5 VERIZON WEST'S STANDARD LITESPAN-2000 COT CONFIGURATION:

In Verizon West, Litespan systems are currently deployed in a GR-303 and TR-057 mode via fiber or copper. All new Litespan COTs should be configured and deployed via fiber in a GR-303 mode. Fiber fed Litespan deployments are fully capable of supporting POTS and integrated DSL at RT sites.

3.2.6 LITESPAN-2000 DUAL FEEDER ROUTE ECONOMICS:

Dual Feeder Route configuration uses east and west optics in the same COT that are connected to separate RTs. The DFR software key feature must be installed in the COT. This configuration makes more efficient use of common control equipment and optical line protection is maintained. Also, any Litespan installed with one route in the LFACS X-BOX mode cannot have the second route installed as DLE/SA (East).

The 1998 Loop Access RFP/RRP (East) established year over year discount prices for the Alcatel Litespan-2000 NGDLC equipment (see Network Planning Guideline NP-G-98-037 Loop Application Guidelines for details) for the five year term of the contract. These discounts were transferred to the West footprint as part of Verizon's day one synergy savings negotiation with Alcatel. In addition, this contract includes a buyout of software features: Dual Feeder Route (DFR), Multiple Remote (MR) and Software Releases 10.X. (this includes all sub-releases and fixes through release 10). Alcatel's Loop Access provisioning system Litecraft Pro was also included in the software buyout. These additional savings are not yet available to the West, but are being negotiated as part of Verizon's day two synergy savings analysis that is ongoing.

An economic analysis was made comparing the addition of a second standard Litespan-2000 COT configuration versus adding Dual Feeder Route software and common control plug-in equipment (optic transmit and receive, SONET formatter and change Alarm Control Unit cards) to an existing or proposed Litespan-2000 COT. As previously mentioned contract discount costs were used and an Installed First Cost (IFC) system savings of \$19,582 was obtained by using the software feature Dual Feeder Route on existing systems in lieu of adding a new system. These savings are significant and Verizon East should order and install the Dual Feeder Route feature key for all installations of Litespan-2000 equipment. When the Litespan-2000 DFR key is ordered, there will be \$0 (zero) charge shown on the TelCo order. However, at the end of each year there will be a billing reconciliation to reflect the estimated buyout value based upon the number of DFR software keys ordered. Verizon West should continue to order and deploy DFR as it does today.

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transport the data portion of the DSL service between the COT and the RT. These two fibers interconnect the ABCUs at the RT and the OCD within the CO at an OC-3c rate as shown in Fig 6 above. *(ABCUs are protected at a card level within each CBA, but the optics (fibers) between the RT and the OCD are not protected)*. The ABCUs are needed to multiplex and de-multiplex the DSL data and also provide the interface for the separate optical feed on each DSL capable channel bank. All ABCUs from a single or multiple (Tandem) RTs can be daisy-chained together and transported via a single OC-3c between the RT and the OCD. A total of 32 ABCUs can be daisy-chained together. The OCD interconnects the DLEC network via a single OC-3/DS-3. Multiple Litespan-2000 RTs from different locations can be interconnected to a single OCD within the CO, which maximizes the utilization capacities of the OC-3/DS-3 connection to the DLEC.

At the RT, dual DSL DMT (2 POTS + 2 Data) channel cards (ADLUs) are placed within the slots of each channel bank equipped with the ABCU channel cards. The DSL channel cards consume much more power than a standard channel card and therefore limit the number of DSL cards, as well as other line cards, within each bank. A maximum of 20 slots per Litespan-2000 channel bank can be equipped with dual DSL cards for a total of 40 DSL subscribers per channel bank without fans, and up to 28 slots for a total of 56 DSL subscribers per channel bank if deployed with standard DC Fan Assemblies. Higher DSL densities can be achieved by equipping each DSL capable channel bank with a Power Distribution and Fan Assembly (PDFA). In addition to providing additional power bus capacity and fan cooling, the PDFA powers the DSL line cards via the wideband cable pairs as opposed to the normal backplane-powering scheme used by other line cards. Channel banks deployed with PDFAs can have all 56 slots equipped for a maximum of 112 DSL/POTS subscribers per channel bank. The PDFA powering method is required in all RT installations described in this document. (Note: CBAs equipped with PDFA can still support all POTS type services if they are not being used for DSL services. However PDFA CBAs cannot be equipped with DS-1 rate channel units (DS1U, AHT1U, etc).

3.2.8 LITESPAN-2000 RT CONFIGURATION:

Each Litespan-2000 RT is fiber (or copper – Verizon West) fed consisting of one CCA and up to nine CBAs. Each CBA supports a maximum of 224 POTS lines. A fully deployed Litespan-2000 RT consisting of nine CBAs can support up to 2016 POTS lines. Each CBA has fifty-six (56) service slots as shown in Figure 7 below.

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**FIGURE 7
LITESPAN CHANNEL BANK ASSEMBLY**

A	B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	B		
																								P
																							1	
B	B	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	B		
																								P
																							2	
C	C	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	M	C	A	B	B		
																		T	I	R	R			
																		A	U	G	G			
																	U	U	U	S				

Each service slot has access to 16Mb/s providing for DS0 and DS-1 services. The Litespan-2000 platform does not support DS-3 or above services. When utilized for POTS, each plug-in unit supports four circuits for a total of 224 POTS lines per CBA. Each slot also supports one DS-1 circuit for a total of 56 DS-1s per CBA. However, current engineering guidelines limit the number of DS-1s per Litespan RT to twenty (20) to insure the Litespan bandwidth capacity utilized for DS-1 services does not severely restrict the capacity available for POTS since each slot equipped with DS-1 circuits eliminates 24 POTS circuits from the RT. (See Outside Plant Engineering Guidelines – 1998-00397-OSP approved 7/98 – Verizon East). (Note: up to 20 DS-1s can be provisioned from each COT).

All Litespan-2000 RTs will continue to be configured and deployed in approved enclosures. The Network Planning organization has just approved three new OSP (outdoor) cabinets for use across the Verizon footprint (see Facilities Management Letter – 2000-00245-OSP in the BAIMS registry on the WEB). Previously approved OSP cabinets will no longer be available for use across the footprint once these cabinets are readily available.

Network Planning is also in the final stages of securing and approving new CPE (indoor) cabinets for use across the footprint. Once these cabinets are approved, existing Litespan-2000 CPE cabinets will no longer be available for use.

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In anticipation that we will offer a wholesale DSL service, Verizon has decided to pre-position all new Litespan-2000 RTs except for those listed below to support both POTS and integrated DSL. The OSP engineers must determine the potential POTS + DSL demand prior to selecting and equipping cabinets/enclosures. Each structure must be equipped with enough hardware/channel banks to accommodate both a 35% take rate for DSL plus the ultimate POTS demand and equipped with plugs as per Outside Plant Engineering Guidelines 1998-00397-OSP – East and PAR074 - West.

The 35% take rate for DSL is a function of the number of living units (LUs) that are served by the RTs. Therefore, if a RT is being constructed to support 300 LUs, then enough hardware must be placed to support the total forecasted POTS demands plus 105 (.35*300) DSL lines.

Recommendations for deploying DSL (ADLU) plugs in the Litespan RTs will be forthcoming. The cabinets/enclosures should be fully cabled by BARTAC/approved vendors so that the field will only have to plug in channel units at a later date. Additionally, all new Litespan systems (COTs & RTs) must be equipped with software release 10.2.X.

Please note that Verizon cannot install any Advanced Services Equipment (i.e., DSLAMs, integrated plug-in line cards, OCDs, etc.) until we are authorized to provide wholesale advanced services on a structurally unseparated basis.

There are instances where there will be existing COTs loaded with release 7.2.3 (East) or 8.2.5/8.3.1 (West) from which new RTs will have to be connected. Verizon still intends to pre-position these new RTs for DSL services. The following procedures must be followed when placing new RTs from existing COTs to ensure there are no service disruptions to existing services working off of the COTs.

- ◆ If there are existing COTs equipped with release 7.2.3 (East), 8.2.5 (5ESS/DMS) or 8.3.1 (GTD5) (West) and there are no working RTs attached, then the COTs should be upgraded to 10.2.X. Upgrading 7.2.3 systems to 10.2.X require changing SBMs to SCUs loaded with 10.2.X. However, systems operating on 8.2.5 or 8.3.1 are already equipped with SCUs. Therefore, upgrading from 8.2.5/8.3.1 to 10.2.X. is done via a software upgrade.
- ◆ If there are existing COTs equipped with 7.2.3 (East), 8.2.5 (5ESS/DMS) or 8.3.1 (GTD5 - West) with one route (East optics) working, then both the existing COTs and RTs must be upgraded to release 10.2.X prior to connecting new RTs to the second route (West optics).

Initially, as noted above, Verizon will not pre-position Litespan-2000 equipment (hardware/channel banks) to support integrated DSL as a wholesale offering at:

- ◆ MDUs (multiple dwelling units which are defined as buildings with a least 50 living units).
- ◆ RTs that serve business locations exclusively.
- ◆ RTs fed by both fiber and copper that are within 15Kft. of the CO and the copper can support a 35% take rate for DSL . (Please note that lab testing has revealed that RT based ADSL is not spectrally compatible with CO-Based DSLAM ADSL in the same binder group. Should you encounter this situation in your RT ADSL planning, please contact Patrick Anderson (212-395-

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7615) for further assistance).

Although Verizon will not pre-position DSL hardware initially in the three scenarios described above, the OSP engineers should decide how much hardware/channel banks would be required to support DSL if it had to be offered and leave enough empty space within the enclosure to accommodate the DSL hardware at a later date.

3.2.8.1 CPE CABINETS AND CEVS/HUTS :

As stated previously, Verizon has decided to pre-position all new enclosures (CEV/HUT, CPE cabinets and OSP cabinets) to support both POTS and integrated DSL. The following guidelines should be followed when deploying new CPE cabinets and CEVs/HUTs.

CPE Cabinet:

Existing Litespan CPE cabinets usually accommodate three CBAs for a total of 672 2-wire POTS lines. To pre-position for DSL, only one of the three CBAs can be equipped for DSL services. This is due to the added heat and power requirements of the DSL hardware. To adequately support DSL, the one CBA designated for DSL must also be connected to a PDFA (see section 3.2.6). Therefore all new CPE cabinet installations must be equipped with a maximum of two POTS CBAs (448 2-W POTS) and one DSL capable CBA (112 POTS + 112 DSL) for a total of 560 POTS + 112 DSL lines. Since the take rate for DSL is 35%, then the 112 DSL lines available equates to 320 LUs ($112/35 * 100$). Therefore, an existing Litespan (672 POTS line) cabinet when configured for POTS + integrated DSL could be deployed to serve a maximum of 320 LUs if the 560 POTS lines available will support the maximum POTS requirements at the RT.

Verizon is in the process of securing new CPE cabinets to replace the ones currently approved. To date, three vendors have been chosen to provide new CPE cabinets across the footprint. The three approved vendors are: EMAR, APW Inc and Network Technology Solutions Inc. (NTS).

- APW will supply the following four CPE cabinets to BA:
 - ◆ 48" high single sided indoor cabinet (access on one side of the cabinet)
 - ◆ 48" high double sided indoor cabinet (access on two sides of the cabinet)
 - ◆ 78" high indoor cabinet
 - ◆ 39" wall mounted swing frame cabinet
- NTS will be responsible for constructing or providing Verizon a cabinet-like enclosure around existing equipment bays/frames at existing CPE locations where the equipment needs protection.
- EMAR will supply a 39" outdoor wall mount indoor/outdoor cabinet.

These cabinets are currently in the final design stage prior to lab testing and final approval for general use within Verizon. Detailed CPE cabinet/enclosure application guidelines will be distributed once the approval process has been completed.

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CEV/HUT or OPEN RACK:

CEVs or open relay racks are equipped with 7ft. relay racks. Each 7ft. relay rack is either equipped with one CCA + three CBAs or four CBAs. Bay one (1) of each Litespan system always house the CCA + three CBAs. Bay one must continue to house the CCA and three POTS only CBAs providing a total of 672 2-W POTS lines. Currently, bay two and three of each system can accommodate up to four standard CBAs. When pre-configured for POTS and ADSL, only bays two and three of each system may be configured with CBA/PDFA combinations. A maximum of three CBAs/PDFAs can be placed within each these two bays. This architecture still allows nine CBAs per three rack system. Therefore, each OSP engineer must determine the total DSL requirements (35% of the total # of LUs) and ensure there are enough CBAs/PDFAs placed within bay 2 and/or bay 3 of each Litespan system to support the total POTS + ADSL requirements.

Assuming that Verizon's waiver agreement is similar to the SBC conditions, Verizon will also reserve 20% of available relay rack space in CEVs/HUTs for CLEC/DLEC use. This may result in the upsizing of the structure to accommodate the additional requirement.

3.2.8.2 OSP CABINETS:

Verizon has secured three new OSP cabinets that will be used for all new RT deployments throughout Verizon. The three OSP cabinets are the MESA4 and MESA6 manufactured by RELTEC/Marconi Communications and the CS Outdoor cabinet manufactured by Rittal Corporation. The CS Outdoor cabinet is used for small line size applications of 96/224 lines, while the MESA4/6 supports line sizes ranging from 224 to 2016. The specifications along with the standard equipment available in each cabinet is shown in Table-1 below:

Table-1

	CS OUTDOOR	MESA4	MESA6
Dimensions (W SAI)	54.1"H x 39.4"W x 39.5"D	72"H x 90"W x 46"D	72"H x 112"W x 46"D
Dimensions (No SAI)	54.1"H x 31.5"W x 39.5"D	72"H x 90"W x 46"D	72"H x 112"W x 46"D
Heat Exchangers	TWO 420 WATTS	TWO 1600 WATTS	THREE 1600 WATTS
Power plant	LUCENT CPS 2000	HELIOS 200	HELIOS 200
Rectifier/Output Current	UP TO 15A	UP TO 58A	UP TO 112A
Battery Strings	THREE - SB60s	SIX - 6VF11s	EIGHT - 6VF11s
Fiber Panel	YES	YES	YES
DSX-1 cross connect	YES	YES	YES
DSX-3 cross connect	NO	YES	YES
AC Panel	YES	YES	YES
Maximum POTS lines	224	1120	2016
OPTIONAL EQPT.			
HDSL Shelf	NO	YES	YES
Optional Multiplexer	NO	YES	YES
SAI	UP TO 800 PAIRS	UP TO 2000 PAIRS	UP TO 2000 PAIRS

These cabinets were chosen to support the deployment of both POTS/integrated DSL along with the capability to house additional optical multiplexers and HDSL equipment at each RT location.

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Each cabinet is limited in its configuration due its size and its ability to dissipate the heat generated by the electronics. Each cabinet has designated CBA positions ranging from 1 to 9 (i.e. CBA #1 is always in position #1, CBA #5 is always in position #5, etc.). The physical location of a CBA cannot be changed, because the cables between the CCA and each CBA are pre-wired with the count associated to that CBA #. (e.g. If an outside cabinet was equipped with 3 CBAs and the CBAs were placed in positions 1, 3 & 5, then these CBAs would be labeled CBA #1, 3 & 5. The corresponding cable pairs at the RT would be PGXXX 1-224, 451-674 & 901-1124 because CBA #2 & 4 were never placed.). Additionally, all DS-1s must be provisioned on CBA #1 in all cabinets except in instances when the DS-1s are being provisioned with HDSL technology.

The CBA designation is vital for the provisioning of DSL. DSL line cards consume more power and generate more heat than the standard POTS/specials line cards. Each CBA designated for DSL must also be equipped with a PDFA which provides the additional power consumed by DSL line cards. The heat exchangers (fans) available within each cabinet will be able to dissipate the additional heat generated by the DSL line cards only if the DSL line cards are placed in and the PDFAs are wired to the designated CBA #s within each cabinet.

The engineers must determine the potential DSL demand prior to selecting a cabinet. Depending on the POTS + DSL service requirements, the MESA4 and MESA6 can be ordered in multiple configurations. When ordering, select the configuration that will best meet the ultimate requirements for the site. However, only order hardware/channel banks to accommodate the ultimate POTS growth plus a 35% take rate for DSL and equipped per Outside Plant Engineering Guidelines 1998-00397-OSP (East) and PAR074 (West). Recommendations for deploying DSL plugs in the Litespan RTs will be forthcoming. The cabinets will be fully cabled by BARTAC/approved vendors so that the field will only have to plug in channel units at a later date. Refer to 2000-00245-OSP for additional details and ordering information.

The following configurations are available for each cabinet. For each cabinet there is one configuration that supports POTS only, however this configuration is not recommended since it does not support DSL. The additional configurations support both POTS and DSL.

Assuming that Verizon's waiver agreement is similar to the SBC conditions, Verizon will establish a process by which CLECs/DLECs can collocate in a cabinet based upon a special construction arrangement. This arrangement could include making approximately 15% of the total cabinet space available to the CLEC/DLEC or by providing an adjacent collocation structure with all necessary connections to the network.

CS Outdoor cabinet:

The CS Outdoor is currently undergoing final configuration and testing and is expected to be approved for use in the very near future. The CS Outdoor cabinet will house only 1 CBA that can be equipped with either a POTS only CBA to provision 224 POTS or a CBA/PDFA combination capable of providing 112 POTS/112 DSL lines as shown in options 1 & 2 below:

Option #	CBA # 1	Total POTS	Total DSL
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1	POTS (not recommended)	224	0
2	POTS/DSL	112	112

MESA 4 cabinet:

The MESA4 cabinet can house 5 CBAs. A maximum of two CBAs (CBA #2 & 4) can be equipped with the CBA/PDFA combination to provision DSL services. If alternate multiplexer/HDSL shelves are required at the RT site, they can be placed in position # 5 instead of a POTS CBA. There are four options available for this cabinet as shown below:

Option #	CBA #1	CBA #2	CBA #3	CBA #4	CBA #5	Total POTS	Total DSL
1	POTS	POTS	POTS	POTS	POTS	1120	0
2	POTS	POTS/ DSL	POTS	POTS	POTS	1008	112
3	POTS	POTS/ DSL	POTS	POTS/ DSL	POTS	896	224
4	POTS	POTS/ DSL	POTS	POTS/ DSL	MUX/ HDSL	672	224

Note: Only CBA #2 & 4 can be equipped to support DSL services. Mux/HDSL are optional. Option # 1 is **not** recommended by this guideline because it does not support Verizon's recommendation that all new enclosures should be pre-positioned to support POTS and integrated DSL.

MESA6 cabinet:

The MESA6 can house 9 CBAs. There is also additional space to house additional multiplexer/HDSL equipment. A maximum of four CBAs (CBA #2, 4, 6 & 8) can be equipped with the CBA/PDFA combinations to provision DSL services. There are four options available for this cabinet as shown below:

Option #	Channel Bank #1	Channel Bank #2	Channel Bank #3	Channel Bank #4	Channel Bank #5	Channel Bank #6	Channel Bank #7	Channel Bank #8	Channel Bank #9	Total POTS	Total DSL
1	POTS	POTS	POTS	POTS	POTS	POTS	POTS	POTS	POTS	2016	0
2	POTS	POTS/ DSL	POTS	POTS/ DSL	POTS	POTS	POTS	POTS	POTS	1792	224
3	POTS	POTS/ DSL	POTS	POTS/ DSL	POTS	POTS/ DSL	POTS	POTS	POTS	1680	336
4	POTS	POTS/ DSL	POTS	POTS/ DSL	POTS	POTS/ DSL	POTS	POTS/ DSL	POTS	1560	448

Note: Only CBA #2, 4, 6 & 8 can be equipped to support DSL services. Option # 1 is **not** recommended by this guideline because it does not support Verizon's recommendation that all new enclosures should be pre-positioned to support POTS and integrated DSL.

3.2.8.3 DS-1 PROVISIONING:

A maximum of twenty transport DS-1s can be provisioned per Litespan COT based on recommended slot and bandwidth limitations (i.e., use of available bandwidth to deliver DS-1s limits system DS0 delivery

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capacity). The DS-1s should be provisioned in CBA #1 at the RT except in instances where the DS-1s are being provisioned with HDSL technology. The DS-1s can be either synchronous or asynchronous. A synchronous DS-1 requires the placement of a DS1U channel unit in both the COT and RT at a total cost of \$592.00 (each DS1U costs \$296). An asynchronous DS-1 requires the placement of an ADS1U channel unit in both the COT and RT at a total cost of \$1722.00 (each ADS1U costs \$861). However, if a synchronous or asynchronous DS-1 is required and the terminating end (customer interface) extends beyond the standard DS-1 transmission limitations, then place a ADS1U in the COT, a AHT1U (channel unit for HDSL circuits on Litespan) in the RT and HTU-R (HDSL remote unit) at the customer interface. This configuration costs \$1440.00 (ADS1U costs \$861, AHT1U costs \$425 & HTU-R costs \$154). For additional information regarding HDSL and Litespan please refer to product selection notice Network Planning Product Selection Notice NP-PSN 98-003 Issue 1 approved 10-1-98 and Facilities Management letter 2000-00262-OSP titled "Adtran AHT1U Channel Unit for HDSL Circuits on Litespan". Note: The Adtran AHT1U is not standard in the Verizon West footprint. Recommendation for its use in the West is forthcoming.

3.2.9 LITESPAN-2000 SOFTWARE RELEASES AND ISSUES:

Litespan-2000 systems currently deployed within Verizon East are operating with various versions of software. Versions currently deployed include 5.0.6, 6.0.3, 7.1.6, 7.1.7, 7.2.3 (East) and 8.2.5/8.3.1 (West). All new Litespan systems must be deployed with release 10.2.X TR-008 (East) GR-303 (West) except for systems that met the conditions described in section 3.2.8.

Also, there is an existing Facilities Management directive that all Litespan-2000 systems operating below 7.2.3 (East) must be upgraded to version 7.2.3 by 12/31/00 to correct a access security "bug" and meet Y2K compliance standards. The reasons and methodology of the upgrade can be found in the Outside Plant Network Services Staff Letter 1999-00201-OSP, or contact Kathy Brodecki on 215-466-5541.

Litespan is currently approved for GR-303/DLE/SA with release 7.2.3 for new COTs in limited applications in Verizon East as defined by Network Planning. However, software release 7.2.3 only supports a single GR-303 Interface Group. This does not meet Verizon's requirement that all GR-303 implementations support multiple GR-303 Interface Groups. Litespan will be fully approved for GR-303/DLE/SA applications with the approval of software release 10.2.X. Software release 10.2.X will support multiple (4) GR-303 Virtual Interface Groups (VIGs) with the Virtual Remote Digital Terminal (VRDT) software key which must be purchased at an additional cost of \$1460 per system. Acceptance and approval is expected in the 4Q2000. Additional memory will be required with release 10.2.X, which will be accomplished with the use of the SCU memory card in place of the existing SBM card. Once release 10.2.X is approved for GR-303/DLE/SA deployments (East), all new Litespan installations will be deployed with this release in the DLE/SA mode provided the CO has been converted from LFACS X-BOX, and DLE/SA training has been completed. This applies to both TR-008 and GR-303 implementations. If not approved, all new systems will continue to be deployed in the LFACS X-BOX mode.

Also, release 10.2.X triggers the use of an element management system (EMS) to manage/monitor the

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Litespan platform. Alcatel's EMS is called the Access Management System (AMS). The AMS requires IP connectivity to the Operational Support Network (OSN).

3.3 LITESPAN/STARSPAN:

Starspan is the fiber-in-the loop extension of the Litespan digital loop carrier system, which is currently deployed in **Verizon East only**. However, this configuration is also available in the West footprint, but is currently not used. It extends the service capabilities of Litespan to a point at or near the customer's premises. Starspan consists of High Density Fiber Banks (HDFBs) located in a Litespan terminal and Optical Network Units (ONUs) located at or near the customer's premises. Transport between the HDFB and the ONUs is provided by Optical Line Units (version 2) (OLU2) which are located in both the HDFB and the ONUs. Each OLU2 provides for optical transmit and receive functions using non-SONET, proprietary, 16.384 Mb/s optical transport. This requires two single mode fibers (one for transmit and one for receive). [Protection of the optical span requires two additional fibers and additional OLUs at the HDFB and ONU.] The OLU2s also provide for the electrical/optical and optical/electrical conversions required at the Litespan terminal HDFB and at the ONU.

Alcatel has introduced the SOLU2 card. The SOLU2 provide the optical transmit, receive, and multiplexing functions for the optical link between the HDFB and the ONU. The SOLU2 uses a single fiber supporting an OSP loss budget of equal or less than 8.4 dB for the fiber, connectors and splices. The SOLU2 card can be used for single fiber applications not requiring the larger loss budget (15.5 dB) of the current dual fiber OLU2 cards.

However, Verizon has just completed testing of the SOLU2 card operating with software release 7.2.3 in its lab. The SOLU2 has failed testing in two categories and cannot be approved for use at this time. The failures as documented by the lab are:

- SOLU2 protection switching does not function when a fault is introduced. When the fiber is pulled from the active SOLU2 card or the active SOLU2 card in the ONU96 is unseated, the ONU96 or the HDFB does not switch to the protect SOLU2 card. All traffic to the ONU96 (POTS & T1) is lost during the fault introduction.
- Alarms are not generated in any node during the fault introduction. Alarms are not generated if both the A & B fibers are removed from the ONU96.

Verizon will re-test the SOLU2 card once software version 10.2.X has been tested and approved.

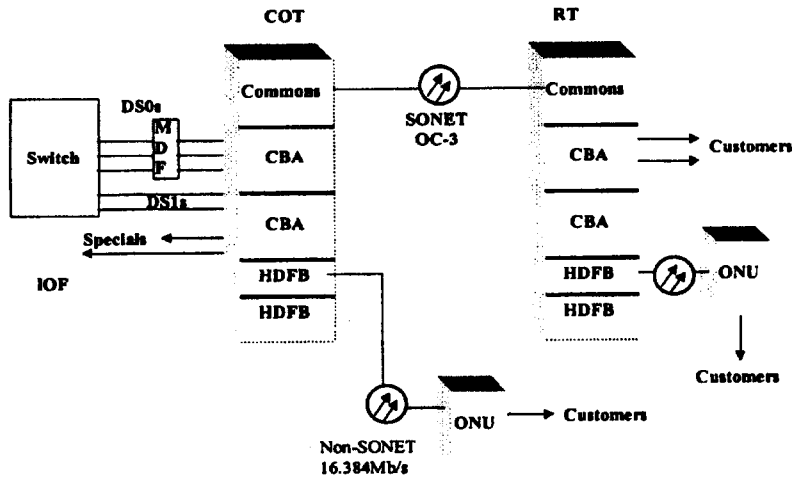
A Litespan terminal supporting Starspan is also called a Host digital Terminal (HDT). Any terminal in a Litespan system can support Starspan. In the CO, the Litespan COT as an HDT must provide both a fiber interface to the ONUs and an electrical interface to the switch. At a remote terminal, the RT as an HDT can provide both copper and fiber distribution.

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3.3.1 GENERAL LITESPAN/STARSPAN ARCHITECTURE:

Figure 8 shows a point-to-point configuration in which both the COT and the RT support Starspan.



Litespan/Starspan From Both COT and RT (Figure 8)

Alcatel provides the ONUs in three sizes: ONU-24, ONU-48 and ONU-96. Only the ONU-96 is approved for general deployment within Verizon East.

The ONU-96 has the capacity for 24 channel units and can serve a maximum of 96 POTS lines assuming Quad cards are used. This product utilizes the same channel units as does the Litespan-2000 COT/RT and can thereby provide the same POTS, ISDN and Special Services as the COT/RT. **However, Litespan/Starspan (ONU-96) configuration does not support DSL. If DSL is forecasted at these sites, then a small Litespan-2000 RT should be placed instead of the Starspan configuration.** In addition, each ONU-96 has the bandwidth to provide up to eight DS-1 services. The ONU-96 should primarily be considered for DS0 services only since slot restrictions and bandwidth restrictions must be carefully considered to determine the exact capacity of the ONU-96 if a mix of DS0s and DS-1s is being considered. A single ONU 96 card cage can be housed in a SSC-250 Outdoor Cabinet or SSC-650 Indoor Cabinet. For applications up to or equal to 192 lines, two ONU-96 cages housed in 192O or 192I cabinets can be utilized. ONU-96 configurations are recommended where the ONU-96 or ONU-192 is the functional equivalent to a RT. (The new Verizon OSP cabinets have not yet been configured with the ONU product line. These guidelines will be updated once this has been completed.)

3.3.2 LITESPAN/STARSPAN ARCHITECTURE:

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As mentioned in the previous section, Litespan/Starspan requires the addition of High Density Fiber Banks (HDFB) to the COT or RT supporting ONUs in the field. Also, ONU-24s were originally used in very limited cases to provide DS1 services (4 or less) in the former BA North and are no longer approved for this application. ONU-48s are only available for current, controlled, FTTC applications and are not to be considered for general deployment.

Use of the ONU-96 is the primary trigger for the deployment of Litespan/Starspan. ONU-96s are approved for two major applications. One is the use of ONU-96s in Fiber-to-the-Business (FTTB) applications where the business requires several DS1 services in addition to the full range of DS0 POTS and DS0 Specials. Cabinets, which house either one or two ONU-96 card cages, are currently available for indoor applications. The second significant application for the ONU-96 is as a functional equivalent of a small size RT for line size applications of up to 192 lines. OSP cabinets are available for both one (96 lines), or two (192 lines) ONU-96 card cages. (Note: In former BA North, the ISC-303 is currently approved for small line sized applications. Guidelines require the ONU-96 be considered before using the ISC-303).

In all new Litespan installations, the planner must determine if the new Litespan system will be used to provide service via ONU-96s fed from the COT for either the FTTB or small RT applications within the planning horizon for the system. If the answer is yes, then one or two HDFB banks (depending on estimated requirements) must be added to the standard COT configuration depicted in Figure 5 in the lower shelf space of bay 2.

3.4 LITESPAN-2000/SONET (FUJITSU/LUCENT/NORTEL) APPLICATIONS:

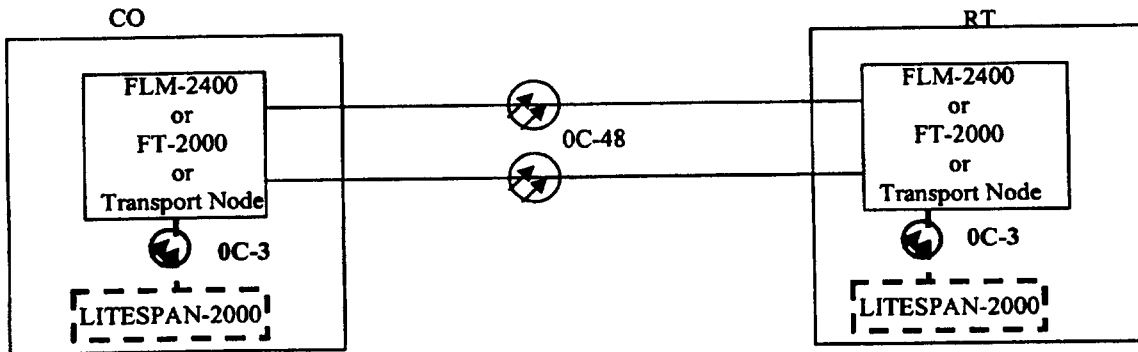
As a fiber transport system, Litespan uses lightwave technology and SONET protocol to transport signals between Litespan Terminals (COT & RT). The normal transport facility between terminals is four single mode fibers: transmit, receive, transmit protect, and receive protect. However, where there is fiber deficiency in the route and there is an existing SONET multiplexer* at an existing or proposed remote terminal site, it is possible (and the technology is approved) to utilize spare OC-3 transport facilities between the SONET multiplexer and the Litespan system. (See figures 9,10 & 11 below).

* Either the Lucent FT-2000/DDM2000 OC-12 or the Fujitsu FLM-2400/600 or the Nortel Transport Node OC-12/OC-48

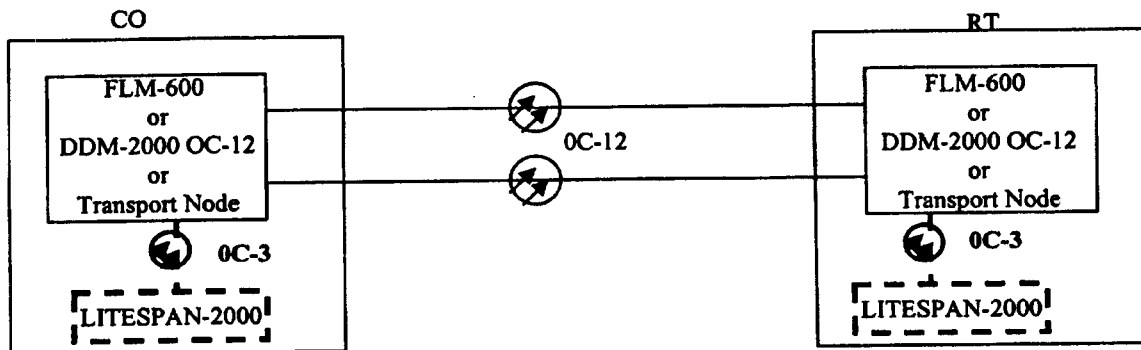
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**FIGURE 9
LITESPAN INTERCONNECTED TO AN OC-48 SONET SYSTEM**



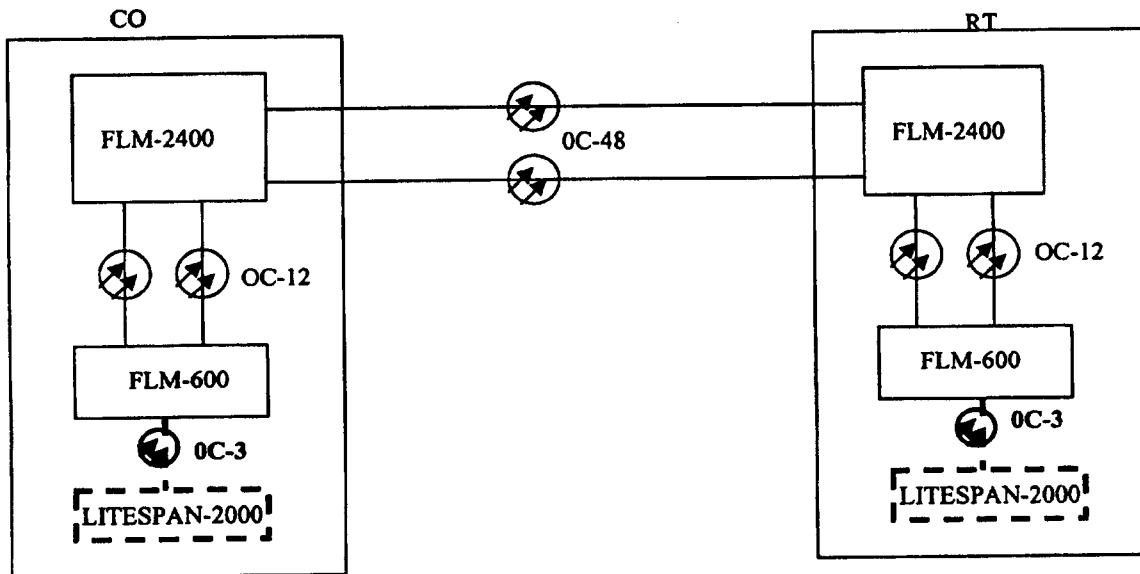
**FIGURE 10
LITESPAN INTERCONNECTED TO AN OC-12 SONET SYSTEM**



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FIGURE 11
LITESPAN INTERCONNECTED TO AN OC-48/12 SONET SYSTEM



Due to economic considerations, this combined product architecture is not recommended for a new build application. It is approved, however, where the multiplexers are already in place, or are being installed to provision existing SONET services and there are no fibers available to feed the Litespan system directly.

4.0 Recommendations

Effective immediately, all new Litespan systems (COT & RT) deployed in Verizon East will be installed using software release 10.2.X via TR-008 LFACS X-BOX or if DLE/SA has been implemented within the CO, then all NGDLC systems should be turned-up utilizing DLE/SA. If there are existing COTs equipped with release 7.2.3 and there are no working RTs attached, then the COTs should be upgraded to release 10.2.X (change SBMs to SCUs loaded with 10.2.X) prior to connecting a new RT. Additionally, if there are existing COTs equipped with 7.2.3 with one route (East optics) working, then both the COTs and existing RTs must be upgraded to release 10.2.X prior to connecting the new RTs to the second route (West optics). A comprehensive upgrade procedure is being developed by Alcatel for Verizon and will be available with the approval of 10.2.X.

Likewise, all new Litespan systems deployed in Verizon West must be installed with software release

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10.2.X in a GR-303 mode. However, if there are existing COTs equipped with release 8.2.5 (5ESS/DMS) or 8.3.1 (GTD5) and there are no working RTs attached, then the COTs should be upgraded to 10.2.X prior to connecting a new RT. Additionally, If there are existing COTs equipped with 8.2.5 (5ESS/DMS) or 8.3.1 (GTD5) with one route (East optics) working, then both the COTs and existing RTs must be upgraded to release 10.2.X prior to connecting the new RTs to the second route (West optics). A comprehensive upgrade procedure is being developed by Alcatel for Verizon and will be available with the approval of release 10.2.X.

Additionally, all new Litespan RT nodes must be pre-configured (hardware/channel banks) and deployed to support both POTS and integrated DSL (Digital Subscriber Line) except in MDUs (multiple dwelling units) and other special applications (see sections 3.2.7 & 3.2.8 for details). However, Verizon may not order or install any equipment (Plugs (ABCUs & ADLUs) & Optical Concentrator Device (OCD)) that will be used to provide Advanced Services at this time. POTS and integrated DSL are available with the approval of software release 10.2.X. Remaining testing on 10.2.X is scheduled to complete in December 2000.

In September 2000, the FCC granted a waiver to SBC to offer wholesale DSL service utilizing integrated narrowband and DSL capable cards (combo cards). Assuming that Verizon receives the same relief and same capability, Verizon has decided to pre-position all new Litespan deployments to support both POTS and integrated DSL. This document provides planning information for use in pre-positioning Litespan DSL capable hardware in all enclosure deployments. (see sections 3.2.7 & 3.2.8).

Software upgrades of the embedded base from 7.2.3 or 8.2.5/8.3.1 to 10.2.X and beyond are not recommended at this time. **However, upgrades from 7.2.3 or 8.2.5/8.3.1 to 10.2.X & beyond are recommended for all existing systems (COTs & RTs) to which new RT nodes pre-positioned to support both POTS and integrated DSL will be connected. Additional guidelines for upgrading the embedded base will developed and made available during 1Q2001.**

Effective immediately, all new Litespan systems will be installed using the Dual Feeder Route architecture. However, the DFR software key must not be activated until the West optics is being activated. Verizon East has bought out the Dual Feeder Route software for the life of the current contract with Alcatel (through 2003 - East). Use of Dual Feeder Route will effectively utilize Litespan's bandwidth and save approximately \$19,000 per COT material and installation costs. These savings can also be realized by adding the DFR feature to an existing Litespan COT. Therefore, upgrades of existing systems to DFR is encouraged but only after a careful study of the existing COT installations to insure the exiting COT configuration can support DFR. For instance, this upgrade will most likely be possible in installations that have heavy concentration of integrated requirements. A site that is heavily universal may have CBA capacity at the COT exceeded with the requirements from the additional route. Also, the CCA to CBA 15 foot cabling restriction may preclude the addition of additional CBAs at the COT. **Also, any Litespan installed with one route in the LFACS X-BOX mode cannot have the second route installed as DLE/SA.**

Likewise, use of the Litespan Tandem Remotes (Multiple Remote Terminals) architecture is encouraged provided Litespan feeder route bandwidth restrictions are observed and the RT sites are available for

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maintenance access on a 7 x 24-hour basis.

Effective immediately, all new Litespan COT installations in Verizon East will be installed in the standard COT configuration described in Section 3.2.4. Litespan COT configurations in Verizon West will follow the present method of operation (PMO).

All new Litespan COT installations in Verizon East will eventually be deployed in the DLE/SA mode rather than the LFACS X-BOX mode in districts that have completed DLE/SA training. There are no plans to upgrade previously installed Litespan systems using the LFACS X-BOX mode to DLE/SA.

Litespan is also approved when deployed as an optical extension from an existing SONET (Lucent/Fujitsu -East) and (Fujitsu/Nortel - West) platform. (See section 3.4)

5.0 ACKNOWLEDGEMENTS:

Thanks are expressed to the following people for inputs and/or comments to this application guideline: Gregory Hudak, Charles Karpewicz, Tom Berard, Kathy Brodecki, Joe Finn, Frank Klopfer, Michael Jenkins, James Larkin, Amos Lucas, Shaun Cross, Steven Pomp, Curtis Hill, Clifford Ginn, David Weisner, Ralph Russell, Jim Scarborough, Deborah Chance, Michael Palmer, Domenic Testa, Myron Harper, John Blake, Jim Bardong, Hal Bolduc, William McNew, Gregory Sherrill, Sui Chin and Pat Procopio.

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NETWORK PLANNING

NP-G-99-021

ISSUE 1.0

November, 2000 PAGE # 30

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