

connection. If the OLEC does not wish to accept this responsibility, then options 1 and 2 listed above are applicable.

Additionally, (at the OLEC's request) BST will provide maintenance and repair services on its NID and, if applicable, the BST installed OLEC NID and cross-connect (NID-TM).

B. Basic Service Capabilities

C. Forecast

1) Regional (interstate and intrastate)

TBD

2) State (interstate and intrastate)

3) Geo/wire center

D. Pricing Structure and Description

BST does not plan to charge the OLEC any recurring or non-recurring charges for the OLEC's use of this NID. However, if the NID requires any maintenance or repair, BST will charge the OLEC on a time and material basis for the required work-time. Additionally, in those states where BST is required to provide NID's that are unbundled (and priced separately from the BST unbundled loop), then BST will develop recurring and non-recurring rates associated with the NID.

1) NRC (non-recurring charge)

It is expected that BST will need three NID offerings:

Network Interface Device (NID)

Network Interface Device Cross-Connect (NID/CC)

Network Interface Device Time and Material (NID-TM)

Network Interface Device Manual Order (NID-MO)

2) Recurring Charge

None proposed (except as described above)

3) Credit Terms (for failure to meet commitments)

E. Deployment Schedule

BST will be required to offer this capability in all end offices. However, it is expected that OLECs will target their service offerings in the Tier 1 and Tier 2 metro areas.

F. Distribution Channels

Use Interconnection Services Sales channels -- 12 headcount shared among all UNE's.

Use ASR/LSR Process through LCSC (Local Customer Service Center) -- see Kathy Massey standard process flows templates - ICSC.
Common EDI Interface (under development).

G. Product Codes, Sales Codes Requirements

Unique sales codes for LCSC
Establish new product codes for UNE's

H. Product Tracking Needs

Unit Counter

- Per MOU for usage-based
- Per unit for non-usage based

Revenue and Expenses - ABIS

Accounted for by: Region/State/GEO/Wire Center/Customer (by ACNA)

I. Tariff, Contract, or Other Agreement

BST will negotiate in good faith with all requesting OLECs to determine the terms, conditions and pricing associated with this offering. It is expected that BST will offer this service via a contract arrangement until the market and regulatory dynamics are appropriate for a tariff filing.

Need one headcount for contract administration spread over all UNE's.

J. Advertising and Promotion Plans and Requirements

Development of common "fact sheet" type brochure \$50k per year through 1999 spread to all UNEs.
InterNet WEB page - \$100k per year through 1999 spread to all UNEs.

K. Customer Training Considerations

Customer Training: one person-year plus \$20k materials per year through 1999

- Document-based training (not face to face)
- How to order
- Tech requirements/interface specifications
- Maintenance/repair
- General product overview - all UNE's
- Assume: man-hour loading - travel, PC equipped (misc.: office space, supplies)

L. Staff Support Requirements

II. Network Architecture

A. Physical Network Configuration

F. Billing and Special Arrangements

1) CABS vs CRIS

The NID elements will be billed in CRIS

2) Release Requirements

3) Special Considerations

G. Internal Training Requirements

H. Staff Support Requirements

1) Initial roll-out

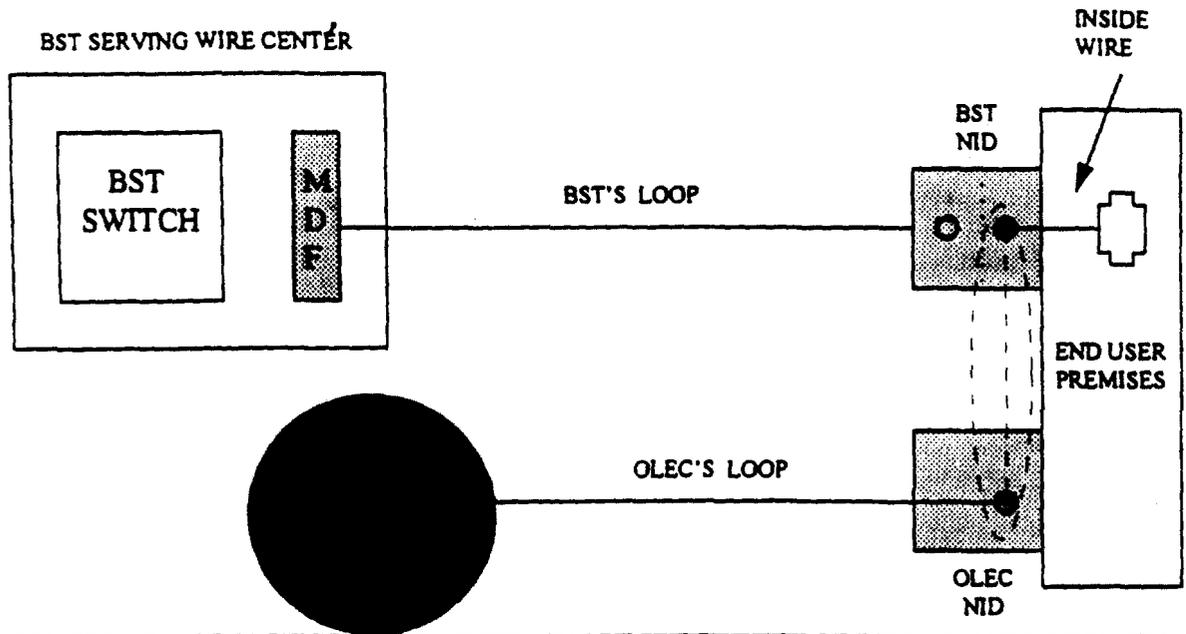
2) On-going requirements

GLOSSARY

TBD

TAB 9

- 1) switching requirements
- 2) signaling
- 3) recording (AMA, etc.)
- 4) transport
- 5) Drawing of Network Elements



B. OSS (operational support systems) Requirements

C. Software Requirements (AIN, queries, etc.)

III. Performance Standards and Reliability

A. General Description of Performance Standards and Reliability (parity, etc.)

Need to develop BellSouth Technical Reference for UNEs. 100 person days +\$7500 (all UNEs)

B. Diversity Requirements

No requirements for UNEs but some level of diversity will exist in BST network (embedded and forward looking)

C. Performance Monitoring

No specific requirement, however, network element will be monitored as part of BST network infrastructure.

D. Special Considerations (SIG, SAW, etc.)

- Assume no SIG applies for dedicated UNEs
- Assume no state-specific missed appointment credits (payments - currently FL. only)
- SAW does not apply
- Services outage credit may be the same as PL tariff
- Billing Guarantees do not apply - there will be CABS cost to exclude UNEs from current processes
- Blocking Performance reports - none

IV. OAM&P (ordering, administration, maintenance, and provisioning)

A. Intervals for Installation, Repair, etc.

Installation

- BST will install a NID and perform any cross-connect ordered by the OLEC within 5 -7 business days.
- Expedite charge for short intervals

Repair

- TBD

B. Description of Centers Affected and Their Role(s)

ICSC (usage billing only)

LCSC - Local Customer Service Center

AFIG - Assignment Facility Inventory Group

OSPE - (loop only)

CPG

CCM - Capacity Mgmt.

NISC

C.O. Operations

Field Work Groups

RRC, BRC, ACAC etc.

C. Ordering Standards and Order Reception Standards

- LCSC will receive and process orders.
- OLEC will utilize mechanized entry system where available.
- Entry system will accept only error free orders into our ordering systems.
- **If a mechanized order entry system is available and the OLEC sends a manual order, BST will bill the OLEC a charge associated with the additional cost that BST would incur with the manual process. This charge (NID-MO) will be billed in addition to the normal NRC which assumes a mechanized process.**

D. Repair Standards and Repair Order Reception Standards

E. Service Management

**Unbundled Interoffice Transport-Dedicated(UIT-D)
Technical Service Description
Issue 8
March 31, 1997**

Document Prepared by:

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I. MARKET SERVICE DESCRIPTION

A. Basic Service Features

Unbundled Interoffice Transport - Dedicated (UIT-D) provides a transmission path, and its associated electronics, between BellSouth end offices that allows an OLEC to transport DS0s (Voice or Data), Basic Rate ISDN (ISDN-BRI), DS1s or DS3s from one location to another. These facilities are dedicated to a single network provider. These facilities may be configured in various transmission configurations and will provide the same transport capacities that exist in Section 6 of the FCC tariff (i.e., DS0, DS1 and DS3) with the addition of ISDN-BRI which is equal to 3 DS0s. The structure of this UNE will also be consistent with existing interoffice transport elements in BellSouth's FCC tariff.

The costs associated with UIT-D include the physical transport facilities (i.e., fiber), any regenerating equipment and the facility terminating equipment such as fiber optic terminals, multiplexers, etc. In addition, one cross-connect element will be added to the UNE costs to account for the average cost of interconnecting with other UNEs. These costs will be based on forward looking technology as described in the Network Architecture section of this document.

B. Basic Service Capabilities

OLECs will utilize UIT-D to transport their local, toll and access traffic between BellSouth (BST) Central Offices. The interoffice mileage will be computed based on the airline mileage between the BST Central Offices regardless of how UIT-D is actually routed. This UNE may be combined with other UNEs or interconnected with higher level existing tariffed services via unbundled channel interfaces at the direction of the customer.

C. Forecast

The following forecast was based on the line loss forecast due to Unbundling. Since BellSouth is only supporting selective call routing associated with Directory Transport, Operator Transport and Repair, it is assumed that UIT-D will be used to create private line services. Assumptions associated with each level of transport are shown in the table below.

Description	1997	1998	1999	2000	2001
LINE LOSS DUE TO UNBUNDLING	54,489	135,552	217,183	272,410	425,296
UIT-D DS0s ASSUMING 1% OF LINE LOSS	545	1,356	2,172	2,724	4,253
UIT-D DS1s ASSUMING 10% OF DS0s	54	136	217	272	425
UIT-D DS3s ASSUMING 10% OF DS1s	5	14	22	27	43

Table I-1. UIT-D Forecast

D. Pricing Structure

- 1) **Non-recurring charge** - There will be non-recurring charges associated with this UNE. These charges will be flat rated and will be priced at rates established in each OLEC UNE contract.
- 2) **Recurring charge** - This UNE will have two rate elements: facility termination and per mile. The facility termination will be flat rated and will be priced at market rates. The per mile rate element will be flat rated but will be distance sensitive. The per mile rate element will also be priced at market rates. The market rates will be established in each OLEC UNE contract.

This UNE will be Zone priced based on the rate zones in the FCC tariff if ordered by the Public Service Commissions.

- 3) **Credit Terms** - There are also no volume or term options for this service; consequently, only month to month rates will be tariffed.

E. Deployment Schedule

- Ubiquitous deployment assuming current C.O. and loop capabilities
- Additional transport capacities will be developed based on the bona fide Request process. Special construction may apply as appropriate

F. Distribution Channels

- Use Interconnection Services Sales Channels - 12 headcount shared among all UNEs

G. Product Codes, etc.

- Unique sales codes for LCSC
- Establish new product codes for DS0, DS1 and DS3 UIT-D

H. Product Tracking Needs

- Unit Counter
 - Number of facility terminations and number of miles for each capacity (i.e., DS0, DS1 and DS3)
- Revenue and Expenses - ABIS
- Accounted for by: Region/State/GEO/Wire Center/Customer (by ACNA)

I. Tariff/Contract/Agreement:

- Short Term: Standard Contract Agreement
 - Need one headcount for contract administration spread over UNEs
- Long Term - 1999 forward: Tariff
 - Pricing/Tariff Development Headcount per UNE (to be determined)

J. Advertising and Promotion

- Development of common "fact sheet" type brochure \$50k per year through 1999 for all UNEs
- Internet WEB page -- \$100k per year through 1999 for all UNEs

K. Customer Training:

- one person-year plus \$20k materials per year through 1999
- Document-based training (not face to face)
- How common facility growth is triggered
- Tech requirements/interface specifications
- Maintenance/repair
- General product overview - all UNEs
- Assume: man-hour loading - travel, PC equipped (misc.: office space, supplies)

L. Staff Support Requirements

The following requirements are for all Transport Product and Project Management UNEs

	<u>PG</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>
Product Managers	59	2	2	2	2
	58	1	2	3	3
Project Mgrs.	59	5	5	5	5
Project Team	59	6	6	6	6
	58	6	6	6	6

Table I-2. Headcount Requirements for Transport UNEs

II. NETWORK ARCHITECTURE

A. *Physical Network Configuration*

1. Switching Requirements: None
2. Signaling: None
3. Recording (AMA, etc.): None
4. Transport

Unbundled Interoffice Transport - Dedicated (UIT-D) provides a transmission path, and its associated electronics, between BellSouth end offices that allows an OLEC to transport DS0s (Voice or Data), Basic Rate ISDN (ISDN-BRI), DS1s or DS3s from one location to another. These facilities are dedicated to a single network provider. These facilities may be configured in various transmission configurations and will provide the same transport capacities that exist in Section 6 of the FCC tariff (i.e., DS0, DS1 and DS3) with the addition of ISDN-BRI which is equal to 3 DS0s.

Typical configurations of Network Elements used for this UNE are shown in Section 5.

Unbundled Interoffice Transport - Dedicated Technical Service Description - 5

The following matrix defines the typical percentages of occurrence anticipated for these different architectures based on forecasts of UIT-D:

Table II-1. Percentage of Occurrence for IOF SONET - All Zones

<u>Architecture Descriptions</u>	<u>AL</u>	<u>FL</u>	<u>GA</u>	<u>KY</u>	<u>LA</u>	<u>MS</u>	<u>NC</u>	<u>SC</u>	<u>TN</u>	<u>BST</u>
Switching Locations on the same OC-48 BLSR	40.0%	43.1%	46.8%	38.5%	30.5%	40.8%	41.4%	41.7%	46.4%	43.2%
Switching Locations on different, single node interconnected OC-48 BLSRs	16.0%	18.5%	20.1%	12.8%	15.3%	13.6%	13.8%	20.9%	15.5%	17.3%
Switching Locations on different, dual node interconnected OC-48 BLSRs	0.0%	12.3%	13.4%	12.8%	7.6%	0.0%	6.9%	0.0%	15.5%	8.6%
Switching Locations on different, single node interconnected OC-48 BLSRs with one intermediate OC-48 BLSR	8.0%	6.2%	6.7%	12.8%	7.6%	13.6%	6.9%	10.4%	7.7%	8.6%
Switching Locations on the same OC-12 UPSR	10.7%	5.0%	2.3%	7.3%	14.0%	11.1%	6.0%	6.0%	4.4%	7.0%
Switching Locations on different, single node interconnected OC-12 UPSRs	3.6%	0.0%	0.0%	2.4%	4.7%	2.2%	3.0%	3.0%	2.2%	2.3%
Switching Locations on the same OC-3+ UPSR	3.6%	5.0%	2.3%	2.4%	4.7%	2.2%	3.0%	1.5%	2.2%	2.3%
Switching Locations on single node interconnected OC-48 BLSR and OC-12 UPSR	7.1%	5.0%	2.3%	4.9%	4.7%	4.4%	3.0%	1.5%	2.2%	2.3%
Switching Locations on single node interconnected OC-48 BLSR and OC-3 UPSR	4.4%	2.5%	3.0%	1.7%	3.7%	4.0%	6.4%	6.0%	2.0%	3.3%
Switching Locations on single node interconnected OC-12 UPSR and OC-3 UPSR	2.2%	1.3%	1.5%	0.9%	1.8%	2.0%	3.2%	3.0%	1.0%	1.6%
Switching Locations on the same OC-3 UPSR	2.2%	1.3%	1.5%	0.9%	1.8%	2.0%	3.2%	3.0%	1.0%	1.6%
Switching Locations on an OC-3 Pt.-to-Pt. System	2.2%	0.0%	0.0%	1.7%	1.8%	2.0%	3.2%	1.8%	0.0%	1.0%
Switching Locations on back to back OC-3 Pt.-to-Pt. Systems	0.0%	0.0%	0.0%	0.9%	1.8%	2.0%	0.0%	1.2%	0.0%	0.7%
Total All Zones	100%									

Unbundled Interoffice Transport - Dedicated Technical Service Description - 6

Table II-2. Percentage of Occurrence for IOF SONET Zone 1

<u>Architecture Descriptions</u>	<u>AL</u>	<u>FL</u>	<u>GA</u>	<u>KY</u>	<u>LA</u>	<u>MS</u>	<u>NC</u>	<u>SC</u>	<u>TN</u>	<u>BST</u>
Switching Locations on the same OC-48 BLSR	46.7%	46.3%	49.6%	42.3%	36.1%	47.0%	47.8%	47.1%	49.1%	47.4%
Switching Locations on different, single node interconnected OC-48 BLSRs	18.7%	19.8%	21.2%	14.1%	18.0%	15.7%	15.9%	23.6%	16.4%	18.9%
Switching Locations on different, dual node interconnected OC-48 BLSRs	0.0%	13.2%	14.2%	14.1%	9.0%	0.0%	8.0%	0.0%	16.4%	9.5%
Switching Locations on different, single node interconnected OC-48 BLSRs with one intermediate OC-48 BLSR	9.3%	6.6%	7.1%	14.1%	9.0%	15.7%	8.0%	11.8%	8.2%	9.5%
Switching Locations on the same OC-12 UPSR	8.0%	3.7%	1.8%	5.2%	10.7%	8.2%	4.5%	4.5%	3.1%	5.1%
Switching Locations on different, single node interconnected OC-12 UPSRs	2.7%	0.0%	0.0%	1.7%	3.6%	1.6%	2.2%	2.2%	1.5%	1.7%
Switching Locations on the same OC-3+ UPSR	2.7%	3.7%	1.6%	1.7%	3.6%	1.6%	2.2%	1.1%	1.5%	1.7%
Switching Locations on single node interconnected OC-48 BLSR and OC-12 UPSR	5.4%	3.7%	1.6%	3.4%	3.6%	3.3%	2.2%	1.1%	1.5%	1.7%
Switching Locations on single node interconnected OC-48 BLSR and OC-3 UPSR	2.6%	1.4%	1.8%	0.9%	2.2%	2.3%	3.7%	3.5%	1.1%	1.8%
Switching Locations on single node interconnected OC-12 UPSR and OC-3 UPSR	1.3%	0.7%	0.8%	0.5%	1.1%	1.2%	1.8%	1.7%	0.5%	0.9%
Switching Locations on the same OC-3 UPSR	1.3%	0.7%	0.8%	0.5%	1.1%	1.2%	1.8%	1.7%	0.5%	0.9%
Switching Locations on an OC-3 Pt.-to-Pt. System	1.3%	0.0%	0.0%	0.9%	1.1%	1.2%	1.8%	1.0%	0.0%	0.6%
Switching Locations on back to back OC-3 Pt.-to-Pt. Systems	0.0%	0.0%	0.0%	0.5%	1.1%	1.2%	0.0%	0.7%	0.0%	0.4%
Total Zone 1	100%									

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Table II-3. Percentage of Occurrence for IOF SONET - Zone 2

Architecture Descriptions	FL	GA	KY	LA	MS	NC	SC	TN	BST	
Switching Locations on the same OC-48 BLSR	42.1%	43.6%	48.1%	39.6%	32.2%	43.0%	44.3%	44.2%	47.1%	44.5%
Switching Locations on different, single node interconnected OC-48 BLSRs	16.8%	18.7%	20.6%	13.2%	16.1%	14.3%	14.8%	22.1%	15.7%	17.8%
Switching Locations on different, dual node interconnected OC-48 BLSRs	0.0%	12.4%	13.7%	13.2%	8.0%	0.0%	7.4%	0.0%	15.7%	8.9%
Switching Locations on different, single node interconnected OC-48 BLSRs with one intermediate OC-48 BLSR	8.4%	6.2%	6.9%	13.2%	8.0%	14.3%	7.4%	11.0%	7.8%	8.9%
Switching Locations on the same OC-12 UPSR	10.9%	5.2%	2.3%	7.2%	14.2%	11.3%	6.2%	6.3%	4.4%	7.3%
Switching Locations on different, single node interconnected OC-12 UPSRs	3.6%	0.0%	0.0%	2.4%	4.7%	2.3%	3.1%	3.1%	2.2%	2.4%
Switching Locations on the same OC-3+ UPSR	3.6%	5.2%	2.3%	2.4%	4.7%	2.3%	3.1%	1.6%	2.2%	2.4%
Switching Locations on single node interconnected OC-48 BLSR and OC-12 UPSR	7.3%	5.2%	2.3%	4.8%	4.7%	4.5%	3.1%	1.6%	2.2%	2.4%
Switching Locations on single node interconnected OC-48 BLSR and OC-3 UPSR	2.9%	1.7%	1.9%	1.1%	2.4%	2.6%	4.3%	4.1%	1.3%	2.2%
Switching Locations on single node interconnected OC-12 UPSR and OC-3 UPSR	1.4%	0.8%	1.0%	0.6%	1.2%	1.3%	2.1%	2.0%	0.7%	1.1%
Switching Locations on the same OC-3 UPSR	1.4%	0.8%	1.0%	0.8%	1.2%	1.3%	2.1%	2.0%	0.7%	1.1%
Switching Locations on an OC-3 Pt.-to-Pt. System	1.4%	0.0%	0.0%	1.1%	1.2%	1.3%	2.1%	1.2%	0.0%	0.7%
Switching Locations on back to back OC-3 Pt.-to-Pt. Systems	0.0%	0.0%	0.0%	0.6%	1.2%	1.3%	0.0%	0.8%	0.0%	0.4%
Total Zone 2	100%									

Unbundled Interoffice Transport - Dedicated Technical Service Description - 8

Table II-4. Percentage of Occurrence for IOF SONET - Zone 3

<u>Architecture Descriptions</u>	<u>AL</u>	<u>FL</u>	<u>GA</u>	<u>KY</u>	<u>LA</u>	<u>MS</u>	<u>NC</u>	<u>SC</u>	<u>TN</u>	<u>BST</u>
Switching Locations on the same OC-48 BLSR	26.4%	37.1%	39.4%	28.9%	19.5%	27.9%	28.5%	31.4%	39.8%	34.3%
Switching Locations on different, single node interconnected OC-48 BLSRs	10.5%	15.9%	16.9%	9.6%	9.8%	9.3%	9.5%	15.7%	13.3%	13.7%
Switching Locations on different, dual node interconnected OC-48 BLSRs	0.0%	10.6%	11.3%	9.6%	4.9%	0.0%	4.8%	0.0%	13.3%	6.9%
Switching Locations on different, single node interconnected OC-48 BLSRs with one intermediate OC-48 BLSR	5.3%	5.3%	5.6%	9.6%	4.9%	9.3%	4.8%	7.8%	6.6%	6.9%
Switching Locations on the same OC-12 UPSR	17.0%	7.7%	4.7%	13.2%	21.6%	18.3%	10.0%	9.8%	7.9%	11.8%
Switching Locations on different, single node interconnected OC-12 UPSRs	5.7%	0.0%	0.0%	4.4%	7.2%	3.7%	5.0%	4.9%	3.9%	3.9%
Switching Locations on the same OC-3+ UPSR	5.7%	7.7%	4.7%	4.4%	7.2%	3.7%	5.0%	2.5%	3.9%	3.9%
Switching Locations on single node interconnected OC-48 BLSR and OC-12 UPSR	11.3%	7.7%	4.7%	8.8%	7.2%	7.3%	5.0%	2.5%	3.9%	3.9%
Switching Locations on single node interconnected OC-48 BLSR and OC-3 UPSR	7.2%	4.0%	6.3%	3.2%	5.9%	6.8%	11.0%	10.2%	3.7%	5.8%
Switching Locations on single node interconnected OC-12 UPSR and OC-3 UPSR	3.6%	2.0%	3.2%	1.8%	2.9%	3.4%	5.5%	5.1%	1.9%	2.9%
Switching Locations on the same OC-3 UPSR	3.6%	2.0%	3.2%	1.6%	2.9%	3.4%	5.5%	5.1%	1.9%	2.9%
Switching Locations on an OC-3 Pt.-to-Pt. System	3.6%	0.0%	0.0%	3.2%	2.9%	3.4%	5.5%	3.1%	0.0%	1.7%
Switching Locations on back to back OC-3 Pt.-to-Pt. Systems	0.0%	0.0%	0.0%	1.6%	2.9%	3.4%	0.0%	2.0%	0.0%	1.2%
Total Zone 3	100%									

Unbundled Interoffice Transport - Dedicated Technical Service Description - 9

Based on the expected amount of Lucent and Fujitsu SONET equipment to be deployed in the interoffice network, the following table defines assumptions for percentages of occurrence for all zones:

Table II-5. Percentage of Occurrence for Deriving DS1s from IOF SONET

Architecture Descriptions Transporting DS1s on SONET (one per each end)	AL	FL	GA	KY	LA	MS	NC	SC	TN	BST
DS1 on OC-3 (DDM-2000)	70	40	50	70	70	70	70	75	70	65
DS1 on OC-3 (FLM-150)	30	60	50	30	30	30	30	25	30	30
DS1 on OC-12 (DDM-2000)	70	40	50	70	70	70	70	75	70	65
DS1 on OC-12 (FLM-600)	30	60	50	30	30	30	30	25	30	30
DS1 on OC-48 (FT-2000)	70	40	50	70	70	70	70	75	70	65
DS1 on OC-48 (FLM-2400)	30	60	50	30	30	30	30	25	30	30

Tables II-6 and II-7 that follow include the current TIRKS SONET Utilization data extracted from the Facility and Equipment Planning System- Planning Workstation (FEPS-PWS). This data was summarized to exclude any 0% utilization's in Table II-6 and any utilization's less than 10% in Table II-7. This was done to try to eliminate any new SONET facilities which have just been installed but do not yet have services working on them.

Unbundled Interoffice Transport - Dedicated Technical Service Description - 10

Table II-6. SONET Facility Utilization's by State (Link Util > 0%)

State	Rate	Link Util > 0%	2B	S	P	Total	2B	S	P	Total	Description
			R	R	C		R	R	C		
AL	OC03	SCIDS	0	14	38	52					
		Nodal Links	0	46	38	84		3.29	1.00	1.62	Avg Nodes
		Total STS-1s	0	138	114	252		29.1%	22.4%	10.5%	% of Total
		Spare STS-1s	0	75.81	69.54	145.35		45.1%	39.0%	42.3%	Util %
	OC12	SCIDS	0	7	29	36					
		Nodal Links	0	24	29	53		3.43	1.00	1.47	Avg Nodes
		Total STS-1s	0	288	348	636		60.8%	68.2%	26.5%	% of Total
		Spare STS-1s	0	140	183.75	323.75		51.4%	47.2%	49.1%	Util %
	OC48	SCIDS	11	1	1	13					
		Nodal Links	59	1	1	61	5.36	1.00	1.00	4.69	Avg Nodes
		Total STS-1s	1416	48	48	1512	100.0%	10.1%	9.4%	63.0%	% of Total
		Spare STS-1s	1003.38	20	36	1059.38	70.9%	58.3%	25.0%	29.9%	Util %
AL		SCIDS	11	22	68	101					
AL		Nodal Links	59	71	68	198	5.36	3.23	1.00	1.96	Avg Nodes
AL		Total STS-1s	1416	474	510	2400	100.0%	100.0%	100.0%	100.0%	% of Total
AL		Spare STS-1s	1003.38	235.81	289.29	1528.48	70.9%	50.3%	43.3%	36.3%	Util %
FL	OC03	SCIDS	0	144	37	181					
		Nodal Links	0	518	37	555		3.60	1.00	3.07	Avg Nodes
		Total STS-1s	0	1554	111	1665		16.8%	41.6%	11.5%	% of Total
		Spare STS-1s	0	957.92	63.79	1021.71		38.4%	42.5%	38.6%	Util %
	OC12	SCIDS	0	55	5	60					
		Nodal Links	0	196	5	201		3.56	1.00	3.35	Avg Nodes
		Total STS-1s	0	2352	60	2412		25.5%	22.5%	16.6%	% of Total
		Spare STS-1s	0	1340.14	33	1373.14		43.0%	45.0%	43.1%	Util %
	OC48	SCIDS	39	24	2	65					
		Nodal Links	208	111	2	321	5.33	4.63	1.00	4.94	Avg Nodes
		Total STS-1s	4992	5328	96	10416	100.0%	57.7%	36.0%	71.9%	% of Total
		Spare STS-1s	3683.14	3538.82	38	7259.98	26.2%	33.6%	60.4%	30.3%	Util %
FL		SCIDS	39	223	44	306					
FL		Nodal Links	208	825	44	1077	5.33	3.70	1.00	3.52	Avg Nodes
FL		Total STS-1s	4992	9234	267	14493	100.0%	100.0%	100.0%	100.0%	% of Total
FL		Spare STS-1s	3683.14	5836.88	134.79	9654.81	26.2%	36.8%	49.5%	33.4%	Util %

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GA	OC03	SCIDS	0	168	30	198					
		Nodal Links	0	610	30	640		3.63	1.00	3.23	Avg Nodes
		Total STS-1s	0	1810	90	1900		33.5%	34.9%	13.6%	% of Total
		Spare STS-1s	0	1161.7	59.25	1220.95		35.8%	34.2%	35.7%	Util %
	OC12	SCIDS	0	25	3	31					
		Nodal Links	0	75	6	81		3.00	1.00	2.61	Avg Nodes
		Total STS-1s	0	900	72	972		16.7%	27.9%	7.0%	% of Total
		Spare STS-1s	0	531.4	40.96	572.36		41.0%	43.1%	41.1%	Util %
	OC48	SCIDS	67	4	2	73					
		Nodal Links	346	56	2	404	5.16	14.00	1.00	5.53	Avg Nodes
		Total STS-1s	8304	2688	96	11088	100.0%	49.8%	37.2%	79.4%	% of Total
		Spare STS-1s	5151	1187.89	58	6396.89	38.0%	55.8%	39.6%	42.3%	Util %
GA		SCIDS	67	197	38	302					
GA		Nodal Links	346	741	38	1125	5.16	3.76	1.00	3.73	Avg Nodes
GA		Total STS-1s	8304	5398	258	13960	100.0%	100.0%	100.0%	100.0%	% of Total
GA		Spare STS-1s	5151	2880.99	158.21	8190.2	38.0%	46.6%	38.7%	41.3%	Util %
KY	OC03	SCIDS	0	12	33	45					
		Nodal Links	0	35	33	68		2.92	1.00	1.51	Avg Nodes
		Total STS-1s	0	91	99	190		20.7%	50.8%	8.0%	% of Total
		Spare STS-1s	0	42.52	60.23	102.75		53.3%	39.2%	45.9%	Util %
	OC12	SCIDS	0	9	8	17					
		Nodal Links	0	29	8	37		3.22	1.00	2.18	Avg Nodes
		Total STS-1s	0	348	96	444		79.3%	49.2%	18.8%	% of Total
		Spare STS-1s	0	255.44	70.64	326.08		26.6%	26.4%	26.6%	Util %
	OC48	SCIDS	17	0	0	17					
		Nodal Links	72	0	0	72	4.24			4.24	Avg Nodes
		Total STS-1s	1728	0	0	1728	100.0%			73.2%	% of Total
		Spare STS-1s	1179	0	0	1179	31.8%			31.8%	Util %
KY		SCIDS	17	21	41	79					
KY		Nodal Links	72	64	41	177	4.24	3.05	1.00	2.24	Avg Nodes
KY		Total STS-1s	1728	439	195	2362	100.0%	100.0%	100.0%	100.0%	% of Total
KY		Spare STS-1s	1179	297.96	130.87	1607.83	31.8%	32.1%	32.9%	31.9%	Util %

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LA	OC03	SCIDS	0	39	41	80					
		Nodal Links	0	114	41	155		2.92	1.00	1.94	Avg Nodes
		Total STS-1s	0	342	123	465		28.1%	77.4%	15.5%	% of Total
		Spare STS-1s	0	248.49	68.01	316.5		27.3%	44.7%	31.9%	Util %
	OC12	SCIDS	0	24	3	27					
		Nodal Links	0	73	3	76		3.04	1.00	2.81	Avg Nodes
		Total STS-1s	0	876	36	912		71.9%	22.6%	30.3%	% of Total
		Spare STS-1s	0	565	24	589		35.5%	33.3%	35.4%	Util %
	OC48	SCIDS	14	0	0	14					
		Nodal Links	68	0	0	68	4.86			4.86	Avg Nodes
		Total STS-1s	1632	0	0	1632	100.0%			54.2%	% of Total
		Spare STS-1s	1121.6	0	0	1121.6	31.3%			31.3%	Util %
LA		SCIDS	14	63	44	121					
LA		Nodal Links	68	187	44	299	4.86	2.97	1.00	2.47	Avg Nodes
LA		Total STS-1s	1632	1218	159	3009	100.0%	100.0%	100.0%	100.0%	% of Total
LA		Spare STS-1s	1121.6	813.49	92.01	2027.1	31.3%	33.2%	42.1%	32.6%	Util %
MS	OC03	SCIDS	0	47	13	60					
		Nodal Links	0	157	13	170		3.34	1.00	2.83	Avg Nodes
		Total STS-1s	0	471	39	510		41.6%	13.4%	12.4%	% of Total
		Spare STS-1s	0	237.87	22.94	260.81		49.5%	41.2%	48.9%	Util %
	OC12	SCIDS	0	11	17	28					
		Nodal Links	0	39	17	56		3.4%	5.8%	1.4%	Avg Nodes
		Total STS-1s	0	468	204	672		41.4%	70.1%	16.4%	% of Total
		Spare STS-1s	0	171	56	227		63.5%	72.5%	66.2%	Util %
	OC48	SCIDS	15	2	1	18					
		Nodal Links	112	4	1	117	7.47	2.00	1.00	6.50	Avg Nodes
		Total STS-1s	2688	192	48	2928	100.0%	17.0%	16.5%	71.2%	% of Total
		Spare STS-1s	1207	144	27	1378	55.1%	25.0%	43.8%	52.9%	Util %
MS		SCIDS	15	60	31	106					
MS		Nodal Links	112	200	31	343	7.47	3.33	1.00	3.24	Avg Nodes
MS		Total STS-1s	2688	1131	291	4110	100.0%	100.0%	100.0%	100.0%	% of Total
MS		Spare STS-1s	1207	552.87	105.94	1865.81	55.1%	51.1%	63.6%	54.6%	Util %

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NC	OC03	SCIDS	0	64	116	180					
		Nodal Links	0	223	116	339		3.48	1.00	1.88	Avg Nodes
		Total STS-1s	0	667	348	1015		48.1%	80.6%	14.7%	% of Total
		Spare STS-1s	0	408.15	207.61	615.76		38.8%	40.3%	39.3%	Util %
	OC12	SCIDS	0	19	7	26					
		Nodal Links	0	60	7	67		3.16	1.00	2.58	Avg Nodes
		Total STS-1s	0	720	84	804		51.9%	19.4%	11.7%	% of Total
		Spare STS-1s	0	359.89	35	394.89		50.0%	58.3%	50.9%	Util %
	OC48	SCIDS	45	0	0	45					
		Nodal Links	211	0	0	211	4.69			4.69	Avg Nodes
		Total STS-1s	5064	0	0	5064	100.0%			73.6%	% of Total
		Spare STS-1s	2774	0	0	2774	45.2%			45.2%	Util %
NC		SCIDS	45	83	123	251					
NC		Nodal Links	211	283	123	617	4.69	3.41	1.00	2.46	Avg Nodes
NC		Total STS-1s	5064	1387	432	6883	100.0%	100.0%	100.0%	100.0%	% of Total
NC		Spare STS-1s	2774	768.04	242.61	3784.65	45.2%	44.6%	43.8%	45.0%	Util %
SC	OC03	SCIDS	0	17	51	68					
		Nodal Links	0	73	51	124		4.29	1.00	1.82	Avg Nodes
		Total STS-1s	0	219	153	372		44.2%	35.7%	13.5%	% of Total
		Spare STS-1s	0	103.48	99.09	202.57		52.7%	35.2%	45.5%	Util %
	OC12	SCIDS	0	3	23	26					
		Nodal Links	0	11	23	34		3.67	1.00	1.31	Avg Nodes
		Total STS-1s	0	132	276	408		26.7%	64.3%	14.8%	% of Total
		Spare STS-1s	0	55.67	129.53	185.2		57.8%	53.1%	54.6%	Util %
	OC48	SCIDS	17	1	0	18					
		Nodal Links	76	3	0	79	4.47	3.00		4.39	Avg Nodes
		Total STS-1s	1824	144	0	1968	100.0%	29.1%		71.6%	% of Total
		Spare STS-1s	1245.65	93	0	1338.65	31.7%	35.4%		32.0%	Util %
SC		SCIDS	17	21	74	112					
SC		Nodal Links	76	87	74	237	4.47	4.14	1.00	2.12	Avg Nodes
SC		Total STS-1s	1824	495	429	2748	100.0%	100.0%	100.0%	100.0%	% of Total
SC		Spare STS-1s	1245.65	252.15	228.62	1726.42	31.7%	49.1%	46.7%	37.2%	Util %

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TN	OC03	SCIDS	0	78	72	150					
		Nodal Links	0	307	72	379		3.94	1.00	2.53	Avg Nodes
		Total STS-1s	0	921	216	1137		50.9%	72.0%	13.9%	% of Total
		Spare STS-1s	0	559.44	136.89	696.33		39.3%	36.6%	38.8%	Util %
	OC12	SCIDS	0	10	7	17					
		Nodal Links	0	42	7	49		4.20	1.00	2.88	Avg Nodes
		Total STS-1s	0	504	84	588		27.9%	28.0%	7.2%	% of Total
		Spare STS-1s	0	215.26	48.21	263.47		57.3%	42.6%	55.2%	Util %
	OC48	SCIDS	50	3	0	53					
		Nodal Links	253	8	0	261	5.06	2.67		4.92	Avg Nodes
		Total STS-1s	6072	384	0	6456	100.0%	21.2%		78.9%	% of Total
		Spare STS-1s	3659.65	342.6	0	4002.25	39.7%	10.8%		38.0%	Util %
TN		SCIDS	50	91	79	220					
TN		Nodal Links	253	357	79	689	5.06	3.92	1.00	3.13	Avg Nodes
TN		Total STS-1s	6072	1809	300	8181	100.0%	100.0%	100.0%	100.0%	% of Total
TN		Spare STS-1s	3659.65	1117.3	185.1	4962.05	39.7%	38.2%	38.3%	39.3%	Util %
Total		SCIDS	275	389	464	1128					
Total		Nodal Links	1405	1416	464	3285	5.11	3.64	1.00	2.91	Avg Nodes
Total		Total STS-1s	33720	14969	2508	51197	100.0%	100.0%	100.0%	100.0%	% of Total
Total		Spare STS-1s	21024.42	8764.33	1370.44	31159.19	37.7%	41.5%	45.4%	39.1%	Util %

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Table II-7. SONET Facility Utilization by State (Link Util > 10%)

State	Rate	Link Util >10%	2B			Total	S			Total	Description
			R	R	C		R	R	C		
AL	OC03	SCIDS	0	11	31	42					
		Nodal Links	0	39	31	70		3.55	1.00	1.67	Avg Nodes
		Total STS-1s	0	117	93	210		28.1%	19.0%	11.1%	% of Total
		Spare STS-1s	0	55.49	49.63	105.12		52.6%	46.6%	49.9%	Util %
	OC12	SCIDS	0	6	29	35					
		Nodal Links	0	21	29	50		3.50	1.00	1.43	Avg Nodes
		Total STS-1s	0	252	348	600		60.4%	71.2%	31.7%	% of Total
		Spare STS-1s	0	107	183.75	290.75		57.5%	47.2%	51.5%	Util %
	OC48	SCIDS	9	1	1	11					
		Nodal Links	41	1	1	43	4.56	1.00	1.00	3.91	Avg Nodes
		Total STS-1s	984	48	48	1080	100.0%	11.5%	9.8%	57.1%	% of Total
		Spare STS-1s	592.6	20	36	648.6	60.2%	58.3%	25.0%	39.9%	Util %
AL		SCIDS	9	18	61	88					
AL		Nodal Links	41	61	61	163	4.56	3.39	1.00	1.85	Avg Nodes
AL		Total STS-1s	984	417	489	1890	100.0%	100.0%	100.0%	100.0%	% of Total
AL		Spare STS-1s	592.6	182.49	269.38	1044.47	60.2%	56.2%	44.9%	44.7%	Util %
FL	OC03	SCIDS	0	115	30	145					
		Nodal Links	0	422	30	452		3.67	1.00	3.12	Avg Nodes
		Total STS-1s	0	1266	90	1356		16.7%	36.6%	11.6%	% of Total
		Spare STS-1s	0	687.06	43.97	731.03		45.7%	51.1%	46.1%	Util %
	OC12	SCIDS	0	48	5	53					
		Nodal Links	0	175	5	180		3.65	1.00	3.40	Avg Nodes
		Total STS-1s	0	2100	60	2160		27.7%	24.4%	18.5%	% of Total
		Spare STS-1s	0	1104.66	33	1137.66		47.4%	45.0%	47.3%	Util %
	OC48	SCIDS	28	18	2	48					
		Nodal Links	161	88	2	251	5.75	4.89	1.00	5.23	Avg Nodes
		Total STS-1s	3864	4224	96	8184	100.0%	55.7%	39.0%	69.9%	% of Total
		Spare STS-1s	2621.07	2485.73	38	5144.8	32.2%	41.2%	60.4%	37.1%	Util %
FL		SCIDS	28	181	37	246					
FL		Nodal Links	161	685	37	883	5.75	3.78	1.00	3.59	Avg Nodes
FL		Total STS-1s	3864	7590	246	11700	100.0%	100.0%	100.0%	100.0%	% of Total
FL		Spare STS-1s	2621.07	4277.45	114.97	7013.49	32.2%	43.6%	53.3%	40.1%	Util %

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GA	OC03	SCIDS	1	125	24	150					
		Nodal Links	4	482	24	510		3.86	1.00	3.40	Avg Nodes
		Total STS-1s	4	1446	72	1522		29.4%	30.0%	12.3%	% of Total
		Spare STS-1s	2.06	812.42	44.41	858.89		43.8%	38.3%	43.6%	Util %
	OC12	SCIDS	0	20	6	26					
		Nodal Links	0	65	6	71		3.25	1.00	2.73	Avg Nodes
		Total STS-1s	0	780	72	852		15.9%	30.0%	6.9%	% of Total
		Spare STS-1s	0	421.4	40.96	462.36		46.0%	43.1%	45.7%	Util %
	OC48	SCIDS	59	4	2	65					
		Nodal Links	301	56	2	359	5.10	14.00	1.00	5.52	Avg Nodes
		Total STS-1s	7224	2688	96	10008	99.9%	54.7%	40.0%	80.8%	% of Total
		Spare STS-1s	4142	1187.89	58	5387.89	42.7%	55.8%	39.6%	46.2%	Util %
GA		SCIDS	60	149	32	241					
GA		Nodal Links	305	603	32	940	5.08	4.05	1.00	3.90	Avg Nodes
GA		Total STS-1s	7228	4914	240	12382	100.0%	100.0%	100.0%	100.0%	% of Total
GA		Spare STS-1s	4144.06	2421.71	143.37	6709.14	42.7%	50.7%	40.3%	45.8%	Util %
KY	OC03	SCIDS	0	11	30	41					
		Nodal Links	0	32	30	62		2.91	1.00	1.51	Avg Nodes
		Total STS-1s	0	84	90	174		21.9%	51.7%	9.1%	% of Total
		Spare STS-1s	0	35.64	51.88	87.52		57.6%	42.4%	49.7%	Util %
	OC12	SCIDS	0	7	7	14					
		Nodal Links	0	25	7	32		3.57	1.00	2.29	Avg Nodes
		Total STS-1s	0	300	84	384		78.1%	48.3%	20.2%	% of Total
		Spare STS-1s	0	211.44	59.64	271.08		29.5%	29.0%	29.4%	Util %
	OC48	SCIDS	15	0	0	15					
		Nodal Links	56	0	0	56	3.73			3.73	Avg Nodes
		Total STS-1s	1344	0	0	1344	100.0%			70.7%	% of Total
		Spare STS-1s	817	0	0	817	39.2%			39.2%	Util %
KY		SCIDS	15	18	37	70					
KY		Nodal Links	56	57	37	150	3.73	3.17	1.00	2.14	Avg Nodes
KY		Total STS-1s	1344	384	174	1902	100.0%	100.0%	100.0%	100.0%	% of Total
KY		Spare STS-1s	817	247.08	111.52	1175.6	39.2%	35.7%	35.9%	38.2%	Util %

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LA	OC03	SCIDS	0	24	32	56					
		Nodal Links	0	63	32	95		2.63	1.00	1.70	Avg Nodes
		Total STS-1s	0	189	96	285		21.4%	72.7%	12.7%	% of Total
		Spare STS-1s	0	103.25	42.68	145.93		45.4%	55.5%	48.8%	Util %
	OC12	SCIDS	0	20	3	23					
		Nodal Links	0	58	3	61		2.90	1.00	2.65	Avg Nodes
		Total STS-1s	0	696	36	732		78.6%	27.3%	32.7%	% of Total
		Spare STS-1s	0	389.86	24	413.86		44.0%	33.3%	43.5%	Util %
	OC48	SCIDS	12	0	0	12					
		Nodal Links	51	0	0	51	4.25			4.25	Avg Nodes
		Total STS-1s	1224	0	0	1224	100.0%			54.6%	% of Total
		Spare STS-1s	733.08	0	0	733.08	40.1%			40.1%	Util %
LA		SCIDS	12	44	35	91					
LA		Nodal Links	51	121	35	207	4.25	2.75	1.00	2.27	Avg Nodes
LA		Total STS-1s	1224	885	132	2241	100.0%	100.0%	100.0%	100.0%	% of Total
LA		Spare STS-1s	733.08	493.11	66.68	1292.87	40.1%	44.3%	49.5%	42.3%	Util %
MS	OC03	SCIDS	0	41	12	53					
		Nodal Links	0	140	12	152		3.41	1.00	2.87	Avg Nodes
		Total STS-1s	0	420	36	456		42.7%	13.0%	11.8%	% of Total
		Spare STS-1s	0	188.83	20.12	208.95		55.0%	44.1%	54.2%	Util %
	OC12	SCIDS	0	11	16	27					
		Nodal Links	0	39	16	55		3.55	1.00	2.04	Avg Nodes
		Total STS-1s	0	468	192	660		47.6%	69.6%	17.1%	% of Total
		Spare STS-1s	0	171	45	216		63.5%	76.6%	67.3%	Util %
	OC48	SCIDS	15	1	1	17					
		Nodal Links	108	2	1	111	7.20	2.00	1.00	6.53	Avg Nodes
		Total STS-1s	2592	96	48	2736	100.0%	9.8%	17.4%	71.0%	% of Total
		Spare STS-1s	1118	52	27	1197	56.9%	45.8%	43.8%	56.3%	Util %
MS		SCIDS	15	53	29	97					
MS		Nodal Links	108	181	29	318	7.20	3.42	1.00	3.28	Avg Nodes
MS		Total STS-1s	2592	984	276	3852	100.0%	100.0%	100.0%	100.0%	% of Total
MS		Spare STS-1s	1118	411.83	92.12	1621.95	56.9%	58.1%	66.6%	57.9%	Util %

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NC	OC03	SCIDS	0	48	78	126					
		Nodal Links	0	173	78	251		3.60	1.00	1.99	Avg Nodes
		Total STS-1s	0	519	234	753		42.7%	73.6%	11.9%	% of Total
		Spare STS-1s	0	265.87	98.37	364.24		48.8%	58.0%	51.6%	Util %
	OC12	SCIDS	0	18	7	25					
		Nodal Links	0	58	7	65		3.22	1.00	2.60	Avg Nodes
		Total STS-1s	0	696	84	780		57.3%	26.4%	12.3%	% of Total
		Spare STS-1s	0	337.89	35	372.89		51.5%	58.3%	52.2%	Util %
	OC48	SCIDS	41	0	0	41					
		Nodal Links	200	0	0	200	4.88			4.88	Avg Nodes
		Total STS-1s	4800	0	0	4800	100.0%			75.8%	% of Total
		Spare STS-1s	2526	0	0	2526	47.4%			47.4%	Util %
NC		SCIDS	41	66	85	192					
NC		Nodal Links	200	231	85	516	4.88	3.50	1.00	2.69	Avg Nodes
NC		Total STS-1s	4800	1215	318	6333	100.0%	100.0%	100.0%	100.0%	% of Total
NC		Spare STS-1s	2526	603.76	133.37	3263.13	47.4%	50.3%	58.1%	48.5%	Util %
SC	OC03	SCIDS	0	17	39	56					
		Nodal Links	0	69	39	108		4.06	1.00	1.93	Avg Nodes
		Total STS-1s	0	207	117	324		42.9%	32.8%	13.2%	% of Total
		Spare STS-1s	0	91.92	64.8	156.72		55.6%	44.6%	51.6%	Util %
	OC12	SCIDS	0	3	20	23					
		Nodal Links	0	11	20	31		3.67	1.00	1.35	Avg Nodes
		Total STS-1s	0	132	240	372		27.3%	67.2%	15.2%	% of Total
		Spare STS-1s	0	55.67	96.53	152.2		57.8%	59.8%	59.1%	Util %
	OC48	SCIDS	14	1	0	15					
		Nodal Links	67	3	0	70	4.79	3.00		4.67	Avg Nodes
		Total STS-1s	1608	144	0	1752	100.0%	29.8%		71.6%	% of Total
		Spare STS-1s	1040.09	93	0	1133.09	35.3%	35.4%		35.3%	Util %
SC		SCIDS	14	21	59	94					
SC		Nodal Links	67	83	59	209	4.79	3.95	1.00	2.22	Avg Nodes
SC		Total STS-1s	1608	483	357	2448	100.0%	100.0%	100.0%	100.0%	% of Total
SC		Spare STS-1s	1040.09	240.59	161.33	1442.01	35.3%	50.2%	54.8%	41.1%	Util %