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Attorneys for Plaintiffs

**UNITED STATES DISTRICT COURT
 FOR THE NORTHERN DISTRICT OF CALIFORNIA**

17	CAROLYN JEWEL, TASH HEPTING, GREGORY HICKS, ERIK KNUTZEN and JOICE WALTON, on behalf of themselves and all others similarly situated,)	CASE NO. 08-CV-4373-JSW
18)	
19	Plaintiffs,)	DECLARATION OF MARK KLEIN WITH REDACTED EXHIBITS FILED IN SUPPORT OF PLAINTIFFS' MOTION FOR PARTIAL SUMMARY JUDGMENT
20)	
21	v.)	(ORIGINALLY FILED IN THE RELATED CASE OF HEPTING v. AT&T, NO. 06-CV-0676)
22	NATIONAL SECURITY AGENCY, <i>et al.</i> ,)	
23	Defendants.)	Date: November 2, 2012 Time: 9:00 a.m. Courtroom 11, 19th Floor The Honorable Jeffrey S. White
24)	
25)	

Case No. 08-CV-4373-JSW

1 I, Richard R. Wiebe, do hereby declare:

2 1. I am a member in good standing of the Bar of the State of California and the bar of
3 this Court. I am counsel to plaintiffs in this action and plaintiffs in the related action of *Hepting, et*
4 *al. v. AT&T Corp., et al.*, N.D. Cal. No. 06-CV-0672. I have personal knowledge of the facts set
5 forth below, except as may be otherwise noted, and if called as a witness I could and would testify
6 competently to them.

7 2. Attached hereto is the Declaration of Mark Klein and accompanying redacted
8 exhibits, originally filed in the related *Hepting* action. Although portions of the Klein Declaration
9 and its exhibits originally were filed under seal (*Hepting* Dkt. #147; #231), the entire Klein
10 Declaration was unsealed pursuant to stipulation and court order and filed in the public docket
11 (*Hepting* Dkt. #358 & Ex. 1; #361). A redacted version of the exhibits to the Klein Declaration
12 was also unsealed pursuant to stipulation and court order and filed in the public docket (*Hepting*
13 Dkt. #358 & Ex. 2; #361).

14 3. The Klein Declaration and redacted exhibits attached hereto are the same as those
15 filed in the public docket in the *Hepting* action. The following portions of the Klein Exhibits
16 remaining under seal by order of this Court in the *Hepting* action and are not included in the
17 attached:

- 18 a. Exhibit A, pp. 2-3, 5-43.
- 19 b. Exhibit B, pp. 1-5, 7-19.
- 20 c. Exhibit C, pp. 2, 4-44, 47-58.

21 (*Hepting* Dkt. # 358 & Exs. 1, 2; #361).

22 I declare under penalty of perjury under the laws of the United States that the foregoing is
23 true and correct.

24 Executed at San Francisco, CA on June 29, 2012.

25
26 _____
s/ Richard R. Wiebe

27 Richard R. Wiebe

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15 [Additional counsel appear following the signature page.]

17 UNITED STATES DISTRICT COURT
 18 NORTHERN DISTRICT OF CALIFORNIA

19 TASH HEPTING, GREGORY HICKS,
 20 CAROLYN JEWEL and ERIK KNUTZEN on)
 Behalf of Themselves and All Others Similarly)
 21 Situated,)

22 Plaintiffs,)

23 vs.)

24 AT&T CORP., AT&T INC. and DOES 1-20,)
 inclusive,)

25 Defendants.)

No. C-06-0672-VRW

CLASS ACTION

DECLARATION OF MARK KLEIN IN
SUPPORT OF PLAINTIFFS' MOTION FOR
PRELIMINARY INJUNCTION

Date: June 8, 2006

Time: 2:00 p.m.

Court: Courtroom 6, 17th Floor

Judge: The Hon. Vaughn R. Walker,
Chief United States District Judge

27 FILED UNDER SEAL PURSUANT TO CIVIL LOCAL RULE 79-S

28 DECLARATION OF MARK KLEIN
C-06-0672-VRW

1 I, Mark Klein, declare under penalty of perjury that the following is true and correct:

2 1. I am submitting this Declaration in support of Plaintiffs' Motion for a
3 Preliminary Injunction. I have personal knowledge of the facts stated herein, unless stated
4 on information and belief, and if called upon to testify to those facts I could and would
5 competently do so.

6 2. For over 22 years I worked as a technician for AT&T Corporation ("AT&T"),
7 first in New York and then in California. I started working for AT&T in November 1981 as
8 a Communications Technician.

9 3. From January 1998 to October 2003, I worked as a Computer Network
10 Associate III at an AT&T facility on Geary Street in San Francisco, CA.

11 4. From October 2003 to May 2004 I worked as a Communications Technician at
12 an AT&T facility at 611 Folsom St., San Francisco, CA (the "Folsom Street Facility").

13 5. Previously, I worked as an AT&T Communications Technician from
14 November 1981 to January 1998. I was assigned to AT&T facilities in New York, New
15 York (November 1981 to December 1990), White Plains, NY (December 1990 to March
16 1991), Pleasanton, CA (March 1991 to May 1993 and March 1994 to January 1998) and
17 Point Reyes, CA (June 1993 to March 1994).

18 6. I retired from AT&T in May 2004.

19 7. AT&T Corp. (now a subsidiary of AT&T Inc.) maintains domestic
20 telecommunications facilities over which millions of Americans' telephone and Internet
21 communications pass every day. These facilities allow for the transmission of interstate or
22 foreign electronic voice and data communications by the aid of wire, fiber optic cable, or
23 other like connection between the point of origin and the point of reception.

24 8. Between 1998 and 2003 I worked in an AT&T office located on Geary Street
25 in San Francisco as one of six Computer Network Associates in the office. The site manager
26 was a management-level technician with the title of Field Support Specialist (hereinafter
27 referred to as FSS #1). Two other FSS people (FSS #2 and FSS #3) also operated from this
28

1 office.

2 9. During my service at the Geary Street facility, the office provided WorldNet
3 Internet service, international and domestic Voice Over IP (voice communications
4 transmitted over the Internet), and data transport service to the Asia/Pacific region.

5 10. While I worked in the Geary Street facility in 2002, FSS #1 told me to expect a
6 visit from a National Security Agency (“NSA”) agent. I and other technicians also received
7 an email from higher management advising us of the pending visit, and the email explicitly
8 mentioned the NSA. FSS #1 told me the NSA agent was to interview FSS #2 for a special
9 job. The NSA agent came and met with FSS #2. FSS #1 later confirmed to me that FSS #2
10 was working on the special job, and that it was at the Folsom Street Facility.

11 11. In January 2003, I, along with others, toured the Folsom Street Facility. The
12 Folsom Street Facility consists of three floors of a building that was then operated by SBC
13 Communications, Inc. (now known as AT&T Inc.).

14 12. While on the January 2003 tour, I saw a new room being built adjacent to the
15 4ESS switch room. The new room was near completion. I saw a workman apparently
16 working on the door lock for the room. I later learned that this new room being built was
17 referred to in AT&T documents as the “SG3 Secure Room” (hereinafter the “SG3 Secure
18 Room”). The SG3 Secure Room was room number 641A, and measures approximately 24
19 by 48 feet.

20 13. The 4ESS switch room is a room that contains a 4ESS switch, a type of
21 electronic switching system that is used to direct long-distance telephone communications.
22 AT&T uses the 4ESS switch in this room to route the public’s telephone calls that transit
23 through the Folsom Street Facility.

24 14. FSS #2, the management-level technician whom the NSA cleared and
25 approved for the special job referenced above, was the person working to install equipment
26 in the SG3 Secure Room.

27 15. In October 2003, the company transferred me to the AT&T Folsom Street
28 Facility to oversee the WorldNet Internet room, as a Communications Technician.

1 16. In the Fall of 2003, FSS #1 told me that another NSA agent would again visit
2 our office at Geary Street to talk to FSS #1 in order to get the latter's evaluation of FSS #3's
3 suitability to perform the special job that FSS #2 had been doing. The NSA agent did come
4 and speak to FSS #1. By January 2004, FSS #3 had taken over the special job as FSS #2 was
5 forced to leave the company in a downsizing.

6 17. The regular AT&T technician workforce was not allowed in the SG3 Secure
7 Room. To my knowledge, only employees cleared by the NSA were permitted to enter the
8 SG3 Secure Room. To gain entry to the SG3 Secure Room required both a physical key for
9 the cylinder lock and a combination code number to be entered into an electronic keypad on
10 the door. To my knowledge, only FSS #2, and later FSS #3, had both the key and the
11 combination code. Regular technicians, including myself, had keys to every other door in
12 the facility because we were often there working alone. We were not given either a key or
13 the combination code for the SG3 Secure Room. On one occasion, when FSS #3 was
14 retrieving a circuit card for me from the SG3 Secure Room, he invited me into the room with
15 him for a couple of minutes while he retrieved the circuit card from a storage cabinet and
16 showed me some poorly installed cable.

17 18. The extremely limited access to the SG3 Secure Room was highlighted by one
18 incident in 2003. FSS #1 told me that the large industrial air conditioner in the SG3 Secure
19 Room was leaking water through the floor and onto SBC's equipment downstairs, but
20 FSS #2 was not immediately available to provide servicing, and the regular technicians had
21 no access, so the semi-emergency continued for some days until FSS #2 arrived.

22 19. AT&T provides dial-up and DSL Internet services to its customers through its
23 WorldNet service. The WorldNet Internet room included large routers, racks of modems for
24 AT&T customers' WorldNet dial-in services, and other telecommunications equipment. The
25 equipment in the WorldNet Internet room was used to direct emails, web browsing requests
26 and other electronic communications sent to or from the customers of AT&T's WorldNet
27 Internet service.

28 20. In the course of my employment, I was responsible for troubleshooting

1 problems on the fiber optic circuits and installing new fiber optic circuits.

2 21. The fiber optic cables used by AT&T typically consist of up to 96 optical
3 fibers, which are flexible thin glass fibers capable of transmitting communications through
4 light signals.

5 22. Within the WorldNet Internet room, high speed fiber optic circuits connect to
6 routers for AT&T's WorldNet Internet service and are part of the AT&T WorldNet's
7 "Common Backbone" (CBB). The CBB comprises a number of major hub facilities, such as
8 the Folsom Street Facility, connected by a mesh of high-speed (OC3, OC12, OC48 and some
9 even higher speed) optical circuits.

10 23. Unlike traditional copper wire circuits, which emit electromagnetic fields that
11 can be tapped into without disturbing the circuits, fiber optic circuits do not "leak" their light
12 signals. In order to monitor such communications, one has to physically cut into the fiber
13 and divert a portion of the light signal to access the information.

14 24. A fiber optic circuit can be split using splitting equipment to divide the light
15 signal and to divert a portion of the signal into each of two fiber optic cables. While both
16 signals will have a reduced signal strength, after the split both signals still contain the same
17 information, effectively duplicating the communications that pass through the splitter.

18 25. In the course of my employment, I reviewed two "Cut-In and Test Procedure"
19 documents dated January 13, 2003 and January 24, 2003, which instructed technicians on
20 how to connect the already in-service circuits to a "splitter cabinet," which diverted light
21 signals from the WorldNet Internet service's fiber optical circuits to the SG3 Secure Room.

22 26. A true and correct copy of the "Cut-In and Test Procedure" documents are
23 attached hereto as Exhibits A and B. Exhibit A is the January 13, 2003 document, and
24 Exhibit B is the January 24, 2003 document.

25 27. The light signals from the WorldNet Internet service's optical circuits were
26 split, with a portion of the light signal going through fiber optic cables into the SG3 Secure
27 Room. The AT&T location code of the "splitter cabinet" is 070177.04, which denotes the
28 7th floor, aisle 177 and bay 04.

1 28. In the course of my employment, I reviewed a document entitled "Study Group
2 3, LGX/Splitter Wiring, San Francisco" dated December 10, 2002, authored by AT&T Labs'
3 consultant Mathew F. Casamassima. A true and correct copy of this document is attached
4 hereto as Exhibit C. This document described the connections from the SG3 Secure Room
5 on the 6th floor to the WorldNet Internet room on the 7th floor, and provided diagrams on
6 how the light signal was being split.

7 29. The circuits that were listed in the "Cut-in and Test Procedure" document
8 dated January 24, 2003 are "Peering Links" that connect the WorldNet Internet network to
9 national and international Internet networks of non-AT&T telecommunications companies.

10 30. The "Cut-In and Test Procedure" documents provided procedures to "cut-in"
11 AT&T's Peering Links to the splitter and hence to the SG3 Secure Room.

12 31. Starting in February 2003, the "splitter cabinet" split (and diverted to the SG3
13 Secure Room) the light signals that contained the communications in transit to and from
14 AT&T's Peering Links with the following Internet networks and Internet exchange points:
15 ConXion, Verio, XO, Genuity, Qwest, PAIX, Allegiance, Abovenet, Global Crossing, C&W,
16 UUNET, Level 3, Sprint, Telia, PSINet, and MAE-West.

17 32. MAE-West is an Internet nodal point and one of the largest "Internet exchange
18 points" in the United States. PAIX, the Palo Alto Internet Exchange, is another significant
19 Internet exchange point.

20 33. Internet exchange points are facilities at which large numbers of major Internet
21 service providers interconnect their equipment in order to facilitate the exchange of
22 communications among their respective networks.

23 34. Through the "splitter cabinet," the content of all of the electronic voice and
24 data communications going across the Peering Links mentioned in paragraphs 29 to 31 was
25 transferred from the WorldNet Internet room's fiber optical circuits into the SG3 Secure
26 Room.

27 35. The document "Study Group 3, LGX/Splitter Wiring, San Francisco" dated
28 December 10, 2002, listed the equipment installed in the SG3 Secure Room, including such

1 equipment as Sun servers and Juniper (M40e and M160) "backbone" routers. This list also
2 included a Narus STA 6400, which is a "Semantic Traffic Analyzer."

3 36. In the course of my employment, I was required to connect new circuits to the
4 "splitter cabinet" and get them up and running. While working on a particularly difficult one
5 with another AT&T technician, I learned that other such "splitter cabinets" were being
6 installed in other cities, including Seattle, San Jose, Los Angeles and San Diego.

7
8 I declare under penalty of perjury under the laws of the United States that the
9 foregoing is true and correct.

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DATED: March 28, 2006



Mark Klein

EXHIBIT A

PERSONAL INFORMATION REDACTED FROM THIS PAGE



Labs Connectivity & Net Services

SIMS

Splitter Cut-In and Test Procedure

Issue 2, 01/13/03

Author: Mathew F. Casamassima

KLEIN A-1

Pages A-2 and A-3
redacted.

PERSONAL INFORMATION REDACTED FROM THIS PAGE**SIMS - Splitter Test and Cut-In Procedure****Issue 2, 01/13/03**

Mathew F. Casamassima,

1. Procedure Overview

A WMS Ticket will be issued by the AT&T Bridgeton Network Operation Center (NOC) to charge time for performing the work described in this procedure document. At some point prior to the splitter cut-in being performed your office will be contacted by the Bridgeton Network Operations Center (NOC) to confirm the WMS Ticket has been received. Bridgeton NOC personnel will again contact OSWF the night of the cut to begin coordination. The work described in the procedure will be supported, on-site, by an IP Field Support Specialist (FSS) from the Day Tech organization.

This procedure covers the steps required to insert optical splitters into select live Common Backbone (CBB) OC3, OC12 and OC48 optical circuits. The splitter insertion will be accomplished by removing existing optical cross-connects and installing new cross-connects all within the CBB LGX complex. The optical splitters will be contained in a standalone cabinet located in the proximity of the CBB LGX complex. The splitters will be pre-cabled by an EF&I vendor to the rear of a dedicated LGX bay (LLGX13) within the CBB LGX complex. A partial installation and test of cross-connects can be done prior to the actual splitter cut-in. This portion of the work can be done outside the CBB maintenance window. An IP FSS member of the Day Tech organization will contact OSWF to schedule the pre-cut portion of the work. Section 2 of this document will describe the pre-cut installation of cross-connects and the pre-cut testing of the new circuit path. The actual cut-in of the splitter will be done during the CBB maintenance window and will be closely coordinated with the Bridge NOC and will be supported, on-site, by an IP FSS member of the Day Tech organization. The actual splitter cut-in is described in Section 3 of this document.

The number of cross-connects required and the final path the circuit will take is dependant on the location of the affected LGX bays within the multiple line-ups of the CBB LGX complex. This procedure will describe all possible splitter cut-in circuit paths. The procedure will also describe the procedures for testing each possible circuit path.

1.1. How to Use this Procedure

This procedure document is quite long. It is not necessary to read this whole document to do the work. There are 4 possible LGX arrange that may encounter. By reading section 1.2 below, determine which LGX arrangement applies to the circuit you are working. Then, after reading the introductory paragraphs in Sections 2 and 3, go directly to the subsections within Sections 2 and 3 associated with the LGX arrangement you are dealing with.

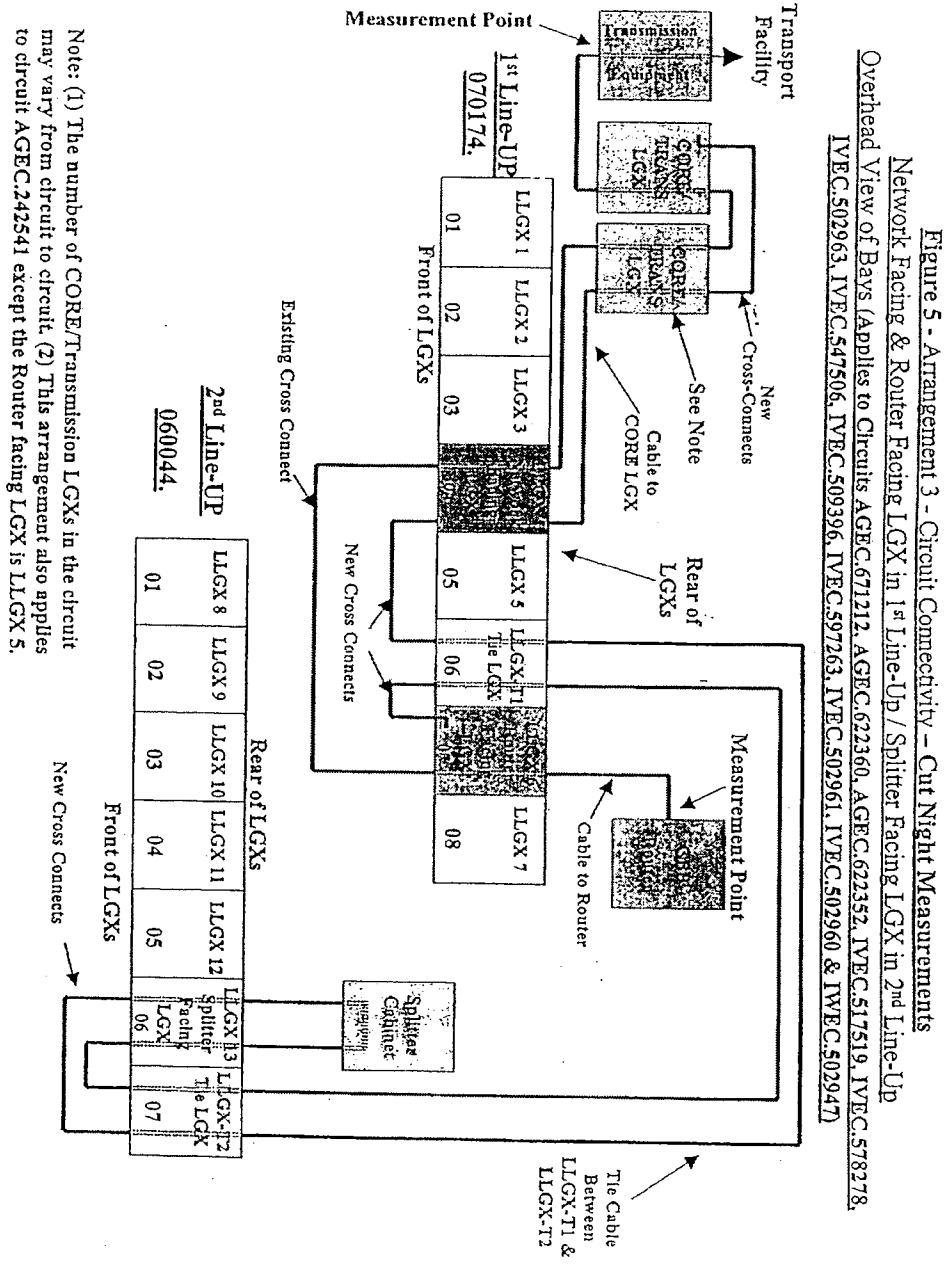
1.2. LGX Definition and LGX-Arrangement:

LGX Definition: There are multiple LGX bays affected by this procedure. Within the CBB LGX complex LGX bays follow a specific naming convention (LLGX 1, LLGX2, LLGX3, LLGX4, ...). This naming convention is uniform across sites. Since this document is designed to cover all sites, this uniform naming convention will be used here. Site-specific engineering will use the LGX FIC code rather than the naming. Prior to the start of the work described here the local IP FSS will label the LGX bays with the naming as presented in this document. The following are generic definitions for the LGX bays affected by this procedure:

Pages A-5 to A-43
redacted.

EXHIBIT B

Pages B-1 to B-5
redacted.



Pages B-7 to B-19
redacted.

Priority	Parenting Link	CKI Type	ID	AS Number	Circuit Comments	Router	Port	Circuit Change Order Issue Date	Engineering Complete Date	Circuit Engineering Complete Date Actual	Splicer Pre-Test Date	Splicer In-Circuit Date	Splicer Active Date	Comments
1	ConXon	OC-3	AGEC.622352	4544		sfed1c1	POS 7/3	1/24/2003	1/31/2003	1/22/2003	2/4/2003	2/6/2003		
2	Yviro	OC-12	IVEG.517219	2814		sfed1c1	POS 3/1	1/24/2003	1/31/2003	1/23/2003	2/4/2003	2/6/2003		
3	XO	OC-12	IVEG.518278	2828		sfed1c1	POS 3/2	1/24/2003	1/31/2003	1/23/2003	2/4/2003	2/6/2003		
4	Genity	OC-12	IVEG.502763	1		sfed1c1	POS 3/5	1/24/2003	1/31/2003	1/23/2003	2/4/2003	2/6/2003		
5	Overst	OC-12	IVEG.547608	209		sfed1c1	POS 2/2	1/30/2003	2/1/2003	1/23/2003	2/1/2003	2/1/2003		
6	PAVX	OC-12	IVEG.509396	map		sfed1c1	POS 8/1	1/30/2003	2/1/2003	1/23/2003	2/1/2003	2/1/2003		
7	Allyblanca	OC-12	IVEG.591263	2548		sfed1c1	POS 8/3	1/30/2003	2/1/2003	1/23/2003	2/1/2003	2/1/2003		
8	Abdarak	OC-12	IVEG.502941	6481		sfed1c1	POS 8/2	1/30/2003	2/1/2003	1/24/2003	2/1/2003	2/1/2003		
9	Global Crossing	OC-12	IVEG.502960	3549		sfed1c1	POS 8/2	1/30/2003	2/1/2003	1/24/2003	2/1/2003	2/1/2003		
10	CKW	OC-48	IVEG.502947	3561		sfed1c1	POS 2/0	2/1/2003	2/1/2003	2/2/2003	2/1/2003	2/2/2003		
11	UNNET	OC-48	IVEG.509433	701		sfed1c1	POS 2/0	2/1/2003	2/1/2003	2/2/2003	2/1/2003	2/2/2003		
12	Level 3	OC-48	IVEG.509433	3356		sfed1c1	POS 3/0	2/1/2003	2/1/2003	2/2/2003	2/1/2003	2/2/2003		
13	Sprint	OC-48	IVEG.509438	1239		sfed1c1	POS 3/0	2/1/2003	2/1/2003	2/2/2003	2/1/2003	2/2/2003		
14	Telcel	OC-3	AGEC.611212	1292		sfed1c1	POS 0/1	2/1/2003	2/1/2003	2/2/2003	2/1/2003	2/2/2003		
15	PSINet	OC-3	AGEC.622390	172		sfed1c1	POS 0/2	2/1/2003	2/1/2003	2/2/2003	2/1/2003	2/2/2003		
16	Mano Vista	OC-3	AGEC.242541	992		sfed1c1	POS 2/5	2/1/2003	2/1/2003	2/2/2003	2/1/2003	2/2/2003		

EXHIBIT C

PERSONAL INFORMATION REDACTED FROM THIS PAGE



Labs Connectivity & Net Services

Study Group 3
LGX/Splitter Wiring
San Francisco

Issue 1, 12/10/02

Author: Mathew F. Casamassima

KLEIN C-1

Page C-2 redacted.

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Study Group 3 LGX/Splitter Wiring, San Francisco
Issue 1, 12/10/02

Mathew F. Casamassima,

Cabinet Naming:

Equipment	Name
Splitter Cabinet	SFC
LGX Cabinet	LXC
Meta Data Cabinet	MDC
Network Management Cabinet	NMC
Data Filter Cabinet	DFC
Juniper M40E Router Cabinet	JC
Sun V880 Cabinet	S8C
Sun 3800 Cabinet	S3C
Sun StoreEdge Cabinet	SSC
ADC Chassis For LGX	lxp
ADC Chassis For Splitter	spp
ADC Splitter Module	spl
ADC Bulkhead Module (LGX)	bk
Juniper M160	jp
Juniper M40e	j4
Narus STA 6400	nr
Sun Fire V880/Narus Logic Server	s8
Sun Fire 3800	s3
Sun StorEdge T3	st
Sun StorEdge FC switch	sf
Cisco Catalyst 2924M-XL	cz
BayTech DS9	b9
BayTech RPC22	bv
Brocade SilkWorm 2800 Switch	bz
Lucent LGX	LLGX

AT&T Proprietary

KLEIN C-3

Pages C-4 to C-44
redacted.

PERSONAL INFORMATION REDACTED FROM THIS PAGE**Study Group 3 LGX/Splitter Wiring, San Francisco****Issue 1, 12/10/02****Mathew F. Casamassima,****011xp SG3 LGX Panel to Splitter Cabinet Connectivity**

011xp SG3 LGX Panel Port (In SG3 Room)	Splitter Cabinet Destination	SG3 LGX Designation Card Text	Splitter End Fiber Label Text
1	01spp/Slot 3/port 14	RR 070177.04 01spp/Slot 3/port 14	FROM: 060903.01 011xp/JK 1 TO: 01spp/Slot 3/port 14
2	01spp/Slot 3/port 13	RR 070177.04 01spp/Slot 3/port 13	FROM: 060903.01 011xp/JK 2 TO: 01spp/Slot 3/port 13
3	01spp/Slot 3/port 16	RR 070177.04 01spp/Slot 3/port 16	FROM: 060903.01 011xp/JK 3 TO: 01spp/Slot 3/port 16
4	01spp/Slot 3/port 15	RR 070177.04 01spp/Slot 3/port 15	FROM: 060903.01 011xp/JK 4 TO: 01spp/Slot 3/port 15
5	01spp/Slot 3/port 18	RR 070177.04 01spp/Slot 3/port 18	FROM: 060903.01 011xp/JK 5 TO: 01spp/Slot 3/port 18
6	01spp/Slot 3/port 17	RR 070177.04 01spp/Slot 3/port 17	FROM: 060903.01 011xp/JK 6 TO: 01spp/Slot 3/port 17
7	01spp/Slot 4/port 20	RR 070177.04 01spp/Slot 4/port 20	FROM: 060903.01 011xp/JK 7 TO: 01spp/Slot 3/port 20
8	01spp/Slot 4/port 19	RR 070177.04 01spp/Slot 4/port 19	FROM: 060903.01 011xp/JK 8 TO: 01spp/Slot 3/port 19
9	01spp/Slot 4/port 22	RR 070177.04 01spp/Slot 4/port 22	FROM: 060903.01 011xp/JK 9 TO: 01spp/Slot 3/port 22
10	01spp/Slot 4/port 21	RR 070177.04 01spp/Slot 4/port 21	FROM: 060903.01 011xp/JK 10 TO: 01spp/Slot 3/port 21
11	01spp/Slot 4/port 24	RR 070177.04 01spp/Slot 4/port 24	FROM: 060903.01 011xp/JK 11 TO: 01spp/Slot 3/port 24
12	01spp/Slot 4/port 23	RR 070177.04 01spp/Slot 4/port 23	FROM: 060903.01 011xp/JK 12 TO: 01spp/Slot 3/port 23
13	01spp/Slot 5/port B2	RR 070177.04 01spp/Slot 5/port B2	FROM: 060903.01 011xp/JK 13 TO: 01spp/Slot 5/port B2
14	01spp/Slot 5/port A2	RR 070177.04 01spp/Slot 5/port A2	FROM: 060903.01 011xp/JK 14 TO: 01spp/Slot 5/port A2
15	01spp/Slot 6/port B2	RR 070177.04 01spp/Slot 6/port B2	FROM: 060903.01 011xp/JK 15 TO: 01spp/Slot 6/port B2
16	01spp/Slot 6/port A2	RR 070177.04 01spp/Slot 6/port A2	FROM: 060903.01 011xp/JK 16 TO: 01spp/Slot 6/port A2

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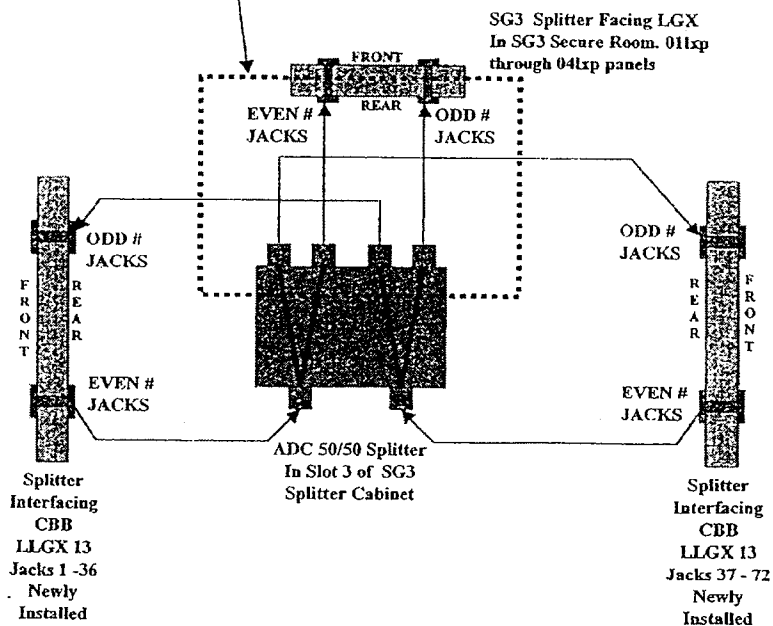
PERSONAL INFORMATION REDACTED FROM THIS PAGE

Study Group 3 LGX/Splitter Wiring, San Francisco
Issue 1, 12/10/02

Mathew F. Casamassima,

Splitter to SG3 LGX Connectivity

The Tables in this section give the splitter to SG3 LGX connectivity as shown within the bounds of this box.



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Pages C-47 to C-58
redacted.