

ENGINEERING NOTES

\*\*\*\*\* CONTINUED \*\*\*\*\*

SERIALIZATION LABELS ARE ALSO UTILIZED, THE CONTENTS OF A GIVEN SUBRACK (ON A SERIAL NUMBER BASIS) ARE TO BE RECORDED AND CORRELATED WITH THE SUBRACK SERIAL NUMBER. THE DATA IS TO BE MADE AVAILABLE TO LUCENT TECHNOLOGIES ON AN AGREED-TO SCHEDULE FOR UPLOADING INTO THE WARRENTY ELIGIBILITY SYSTEM. INFORMATION ON THE REQUIRED FORMAT FOR THE DATA CAN BE OBTAINED FROM:

A.L. FITZGERALD - LUCENT TECHNOLOGIES  
(708) 955-4493

- 65. EQUIPMENT SPARING REQUIREMENTS ARE TO BE DETERMINED FOR EACH INSTALLATION DEPENDANT ON THE LEVEL OF RELIABILITY AND REDUNDANCY DESIRED BY THE CUSTOMER. COMMON RECOMMENDED CSN SPARES FOR NORMAL SYSTEM RELIABILITY ARE LISTED IN TABLE "RS". ALTHOUGH ANY ITEM IN THIS DRAWING MAY BE SPARED, IN ANY QUANTITY, AT THE CUSTOMERS DISCRETION.  
TABLE "FR" LISTS ORDER CODES FOR FIELD REPLACEABLE ITEMS, NOT NORMALLY SPARED.
- 66. REFER TO STANDARD INSTALLATION GUIDELINES FOR ASSEMBLY INSTRUCTIONS.  
IF THE CUSTOMER DOES NOT USE THE POWER DISTRIBUTION UNIT PROVIDED IN THE ADVANTAGE MISCELLANEOUS CABINET, EDIS019-10, THEN THEY MUST PROVIDE FEEDER FUSES THAT MATCH THE VALUE AND SPECIFICATIONS OF THE FUSES SUPPLIED WITH THAT UNIT.  
FOUR A-BUS AND FOUR B-BUS -48V POWER/RETURN FEEDER CABLES ARE PROVIDED WITH GROUP 20.  
THESE FEEDS CONNECT TO THE OFFICE POWER PLANT, REMOTE SITE POWER OR ADVANTAGE MISCELLANEOUS CABINET PDU. SEE EDIS017-10 FOR METHOD OF INSTALLATION.  
ALL HARDWARE PROVIDED WITH GROUP 20 IS EMC COMPATIBLE.
- 67. UNDER NORMAL CIRCUMSTANCES PLASTIC CABLE TIES WILL BE USED TO SECURE INTRA-CABINET CABLING TO THE FRAMEWORK. IF A CUSTOMER HAS SPECIFIC RESTRICTIONS AGAINST THEIR USE, GROUP "AB" SHOULD BE SPECIFIED TO PROVIDE FOR THE USE OF WAXED TWINE CABLE TIES. (SEE NSP 800-612-153 FOR SPECIFIC REQUIREMENTS).
- 68. IF THE CUSTOMER DOES NOT SPECIFY THE EDIS019-10, MISCELLANEOUS CABINET, GROUP 50, INVERTER AS PART OF THE ORDER THE CUSTOMER MUST PROVIDE 115 VOLT PROTECTED AC POWER FOR THE TERMINAL AS PART OF SITE PREPARATION.
- 69. THE FOLLOWING GROUPS ARE MUTUALLY EXCLUSIVE:
 

25	AND	30
100	AND	101
100	AND	105
101	AND	106
105	AND	106
130	AND	140
445	AND	446
452	AND	454
510, 520	AND	525
- 70. THE LINE ENGINEER MUST PROVIDE ADDITIONAL CABLING WHEN SPECIFYING THIS GROUP.
- 71. THE DESIGNATIONS "ML" OR "SL" IN THE FEATURE TABLE DESCRIPTION COLUMN INDICATE "MAIN LIST" OR "SUPPLEMENTARY LIST" STATUS OF THAT GROUP IN THE ORDERING SYSTEM.

----- CONTINUED ON NEXT SHEET -----

ENGINEERING NOTES

- 51. INFORMATION FURNISHED PER THIS DRAWING IS IN ACCORDANCE WITH LUCENT TECHNOLOGIES PRACTICES - NONE.
- 52. THIS DOCUMENT CONTAINS COMPLETE ENGINEERING INFORMATION FOR THE SUBJECT EQUIPMENT. JOB INFORMATION SHALL BE RECORDED BY GROUP NUMBER.
- 53. DOLLAR SIGNS (\$) IN FRONT OF AND BEHIND WORDS, SENTENCES, PARAGRAPHS AND/OR CHARACTERS INDICATES HORIZONTALLY LINED OUT INFORMATION.
- 54. THIS CABINET TO BE INTEGRATED AND SUPPLIED BY:
  - CARLO GAVAZZI, INC.
  - MUPAC BUSINESS UNIT
  - 10 MUPAC DRIVE
  - BROCKTON, MA 02401
  - TEL. (508) 588-6110, FAX. (508) 588-0498
- 55. THIS UNIT TO BE INTEGRATED AND SUPPLIED BY:
  - DIVERSIFIED TECHNOLOGIES INC.
  - 112 E. STATE STREET
  - RIDGLAND, MS 39157
  - TEL. (508) 588-6110, FAX. (508) 588-0498
- 60. THE COMPACT SERVICE NODE CABINET DIMENSIONS ARE AS FOLLOWS:
 

LENGTH	-	762MM (30 IN)
WIDTH	-	600MM (23.6 IN)
HEIGHT	-	1829MM (72 IN)
416MM (16.4 IN)	IS REQUIRED FOR DOOR CLEARANCE FRONT AND REAR.	
WEIGHT	-	1362KG (300 LBS) MAXIMUM GROWTH - 4082KG (900 LBS).
- 61. EQUIPMENT LOCATIONS REFERRED TO IN THIS DRAWING INDICATE THE PHYSICAL LOCATION OF THE EQUIPMENT, IN INCHES, IN THE CABINET ASSIGNED AS FOLLOWS:
 

XX -	YYY -	ZZZ
----	----	----
VERTICAL LOCATION	-----	-----
HORIZONTAL LOCATION IN 1/8"		
INCREMENTS OR SLOT NUMBER	-----	-----
PIN OR PORT NUMBER WHERE REQUIRED	----	----
- 62. ALL SYSTEM AIR FILTERS ARE TO BE REPLACED PRIOR TO SYSTEM TURNOVER TO THE CUSTOMER.  
ORDER A QTY OF 1 LIST AA PER COMPACT SERVICE NODE EQUIPPED.
- 63. WHEN ORDERING CABINET ADDRESS LABELS SPECIFIC STAMPING INFORMATION MUST BE SPECIFIED PER EDIS001-11 TABLE AA PER JOB SPECIFICATIONS.
- 64. THE CABINET INTEGRATOR IS RESPONSIBLE FOR VERIFYING APPROPRIATE PRODUCT LABELING PER REQUIREMENTS OUTLINED IN NOTES 30 AND 31. CABINET INTEGRATOR IS ALSO RESPONSIBLE FOR CREATING AND MAINTAINING A DATABASE OF PRODUCT SERIALIZATION AND TRACKING INFORMATION. THIS DATABASE IS TO CONTAIN RECORDS OF ALL LUCENT TECHNOLOGIES PLUGGABLE APPARATUS SERIAL NUMBERS INSTALLED INTO A GIVEN CABINET ON A PER ORDER BASIS. IF SUBRACK LEVEL  
----- CONTINUED TO THE LEFT -----

ISSUE NOTES

- ORIG ISS: 01/07/98 NDD NBR: NDD1S022NW-1 CHANGE CLASS:
- |            |           |           |                     |          |
|------------|-----------|-----------|---------------------|----------|
| DRAFT: TMR | ENGR: TMR | SUPV: RKP | CERTIFIED: 01/07/98 | ISSUE: 1 |
|------------|-----------|-----------|---------------------|----------|
- SHEET INDEX ADDED, SHEETS B1 THROUGH B8 ADDED; GROUPS 101 & 106 ADDED, GROUPS 100 AND 105 REF TO "REMOTE MONITOR CAPABILITY" AND "SPLITTER" ADDED, GROUPS 101 & 106 ADDED TO ENG NOTE 69; MISC TABLES CHANGED ACCORDINGLY; SL ITEM 2610, PROD ID READ "407403728".
- ORIG ISS: 01/07/98 NDD NBR: NDD1S022NW-1 CHANGE CLASS: B
- |            |           |           |                     |          |
|------------|-----------|-----------|---------------------|----------|
| DRAFT: TMR | ENGR: TMR | SUPV: RKP | CERTIFIED: 02/18/98 | ISSUE: 2 |
|------------|-----------|-----------|---------------------|----------|
- H8351 - ENG NOTE 69 MODIFIED; IN TABLE A, ALL GROUPS, DESCR MODIFIED TO SHOW PROPER "MAIN LIST", "SUPPLEMENTARY LIST" RELATIONSHIP, GROUPS 130, 140, 525, 530 & 540 ADDED; IN SL REF TO NEW GROUPS ADDED.
- ORIG ISS: 01/07/98 NDD NBR: NDD1S015NW-10 CHANGE CLASS: B
- |            |           |           |                     |          |
|------------|-----------|-----------|---------------------|----------|
| DRAFT: TMR | ENGR: TMR | SUPV: RKP | CERTIFIED: 04/29/98 | ISSUE: 3 |
|------------|-----------|-----------|---------------------|----------|
- H8361 - ENG NOTES 70 & 71 AND REF TO ADDED; IN TABLE A GROUPS 100, 101 & 106 RERATED TO "DA", GROUPS 600, 650, 700 & 800 AND REF TO ADDED; STOCKLIST AND MISC TABLES CHGD ACCORDINGLY.  
PTISS - IN TABLE A GROUPS 320 & 340, IN DESCRIPTION, REF TO GROUP "530" READ "350" IN STOCKLIST ITEM 1640 QTY "1" READ "2", ITEMS 1740 & 1772 QTY "1" READ "5", ITEM 2460 QTY "4" READ "1", ITEM 1310, PROD ID READ "847272861".
- ORIG ISS: 01/07/98 NDD NBR: NDD1S015-11 CHANGE CLASS: B
- |            |           |           |                     |          |
|------------|-----------|-----------|---------------------|----------|
| DRAFT: TMR | ENGR: TMR | SUPV: RKP | CERTIFIED: 06/18/98 | ISSUE: 4 |
|------------|-----------|-----------|---------------------|----------|
- H8421 - NOTE 69 REF TO G510 ADDED, NOTE 73 ADDED; IN TBL A GROUP 70 RATED "DA", GROUP 70A & REF TO ADDED, GROUP 50, 530, 700 & 800 REF TO "INTELLIGENT PERIPHERAL" ADDED, GROUP 100, 101 & 106 "C-SN/IP" READ "CSN", GROUP 105, 600 & 650 REF TO "SPLITTER" REMVD, GROUP 110, 130, 140, 520 & 525 "ML" READ "SL", GROUP 120, 260, 280, 300, 320, 340, 360, 380, 400, 420, 440 & 460 REF TO TO "G700 OR 750" REMVD, GROUP 510 DESCR MODIFIED, GROUP 160, 445, 446, 710, 720, 810 & 820 AND REF TO ADDED; NOTE 34 MODIFIED TO ACSN1 INFO, NOTE 36 ADDED; IN SL ITEM 1040, DESCR READ "847169190", ITEM 1040 "901271031" REMVD, ITEM 1372, 1520, 1550, 1642, 1643, 1660, 1661, 1870, 2095, 2482, 2483, 2487, 2510, 2515, 2535 ADDED, ITEM 2540 QTY READ "1"; MISC TABLES CHGD ACCORDINGLY.  
PTISS - NOTE 72 ADDED, NOTE 25 ADDRESS READ "112 E STATE ST.", IN RS "407973932" AND "407967587" SENSORS ADDED.
- H8539 - ENG NOTE 74 & 75 AND REF TO ADDED; IN TABLE A GROUPS 200 - 240 REF TO "C SN/IP0 OR 10 THRU C AN/IP4 OR 14" READ "CSN0 THRU CSN4", GROUPS 350, 450, 452, 454, 725, 730, 825 & 830 AND REF TO ADDED; IN STOCKLIST, ITEMS 2097, 2099, 2320, 2321, 2325, 2327, 2465, 2466, 2470, 2471, 2490, 2491, 2495 & 2496 ADDED; MISC TBLs CHGD ACCORDINGLY.
- ORIG ISS: 01/07/98 NDD NBR: NDD1S022NW-2,3 CHANGE CLASS: B
- |            |           |           |                     |          |
|------------|-----------|-----------|---------------------|----------|
| DRAFT: TMR | ENGR: TMR | SUPV: RKP | CERTIFIED: 12/18/98 | ISSUE: 5 |
|------------|-----------|-----------|---------------------|----------|
- CN84408NW - STOCKLIST ITEMS 2500, 2510 & 2515, CLEI CODE "E4PQAN6A" ADDED.
- ORIG ISS: 01/07/98 CHANGE CLASS: AC
- |            |           |           |                     |          |
|------------|-----------|-----------|---------------------|----------|
| DRAFT: TMR | ENGR: TMR | SUPV: RKP | CERTIFIED: 01/22/99 | ISSUE: 6 |
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BT13

ADVANCED NETWORK SERVICES  
SPECIFICATION FOR  
ADVANTAGE COMPACT  
SERVICE NODE  
CABINET  
(ACSN)

DWG SIZE	ISSUE
C2	6

LUCENT TECHNOLOGIES INC ED1S022-10

SHEET A1  
OF 22

TABLE A-FEATURES											
EQUIPMENT		RAT- ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA					SD EQUIVALENT		
DESCRIPTION	REF NOTE			QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
FRAMEWORK, ASSEMBLY, WIRING AND COMMON EQUIPMENT ALWAYS REQUIRED TO PROVIDE ONE ADVANTAGE COMPACT SERVICE NODE CABINET. ML	62 63 67		1	1	ED5D785-70	1A,4					
EQUIPMENT AND WIRING REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE ONE ETHERNET HUB. SL			10								
EQUIPMENT REQUIRED TO PROVIDE ONE CABINET HARDWARE KIT. PROVIDES DOORS, INDICATOR STRIPS JUNCTIONING HARDWARE, POWER FEEDERS, FILTERS, FUSES AND ANCHORING HARDWARE FOR EARTHQUAKE ZONES 0 AND 1. ML			20	1	ED5D785-70	2F, 3B, 3D					
				1	ED5D511-31	1					
				1	ED4A306-70	24					
EQUIPMENT REQUIRED TO PROVIDE ANCHORING HARDWARE FOR A RAISED FLOOR IN EARTHQUAKE ZONES 2, 3 OR 4. ML			25	1	ED4A306-70	25					
EQUIPMENT REQUIRED TO PROVIDE ANCHORING HARDWARE FOR A SLAB FLOOR IN EARTHQUAKE ZONES 2, 3 OR 4. ML			30	1	ED5D511-31	11					
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE A COMPACT SERVICE NODE/INTELLIGENT PERIPHERAL UNIT. CONSISTS OF CHASSIS AND ASSOCIATED HARDWARE CURRENT LIMITING BACKPLANE, 725W POWER SUPPLY, ONE 3.5" FLOPPY DISK DRIVE AND ONE 8GB SCSI DAT TAPE DRIVE EQUIPPED WITH ONE SPLITTER AND TERMINAL CABLE. (C-SN/IP0 THROUGH 4) SL	55		50								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 50 OR 530. PROVIDES ONE CONTROL COMPUTER CPU CARD, 200MHZ P6. SL FE:ED1S022-10,G70A		DA	70								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 50 OR 530. PROVIDES ONE CONTROL COMPUTER CPU CARD, 200MHZ P6. SL REPL:ED1S022-10,G70			70A								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 70,70A PROVIDES MEMORY, ONE 128MB SIMM MODULE. (P6, 4 REQD.) SL			80								
EQUIPMENT AND WIRING REQUIRED IN ADDITION TO GROUP 50 OR 530 TO PROVIDE A BASIC PERIPHERAL KIT WITH REMOTE MONITOR CAPABILITY. PROVIDES ONE DUAL PORT RS232 UNIX TERMINAL, SPLITTER AND CABLES FOR EACH C-SN/IP UNIT EQUIPPED. SL FE/RA:NONE DA EFF:06/18/98	68 69	DA	100								
EQUIPMENT AND WIRING REQUIRED IN ADDITION TO GROUP 50 OR 530 TO PROVIDE A BASIC PERIPHERAL KIT WITHOUT REMOTE MONITOR CAPABILITY. PROVIDES ONE DUAL PORT RS232 UNIX TERMINAL AND CABLES FOR EACH C-SN/IP UNIT EQUIPPED. SL FE/RA:NONE DA EFF:06/18/98	68 69	DA	101								
EQUIPMENT AND WIRING REQUIRED IN ADDITION TO GROUP 50 OR 530, 600 OR 650 TO PROVIDE A BASIC PERIPHERAL KIT WITH REMOTE MONITOR CAPABILITY. PROVIDES ONE DUAL PORT RS232 UNIX TERMINAL PER ACSN CABINET EQUIPPED WITH AN RS232 5-PORT MANUAL SWITCH. SL	68 69		105								

TABLE-A CONTINUED

ED1S022-10

ENGINEERING NOTES

\*\*\*\* CONTINUED \*\*\*\*

- 72. REFER TO DRAWING SD1S011-01 FOR COMPACT SN SYSTEM INTERCONNECTION AND FLOORPLAN INFORMATION.
- 73. THIS GROUP IS A PRECONFIGURED CABINET ASSEMBLY, BUT THE LINE ENGINEER MUST ALSO SPECIFY THE C-SN/IP UNITS TO BE EQUIPPED FROM THE 700 SERIES GROUPS. IN ADDITION, THE LINE ENGINEER MUST ALSO SPECIFY A GROUP 20 HARDWARE KIT AND WHEN NECESSARY, A GROUP 25 OR 30 ANCHOR KIT
- 74. THE ISUP SS7 CARD, COMCODE 408035913, ADAX P/N 96032, CONSISTS OF AN ADAX P/N 87-8042 SS7 CARD MATED WITH AN ANC-TCX DAUGHTER CARD P/N 84-8045-00 AND EQUIPPED WITH SS7-PCI, SOLARIS X.86 PCI AND ANC-TCX SOFTWARE.
- 75. WHEN ORDERING THIS GROUP THE LINE ENGINEER MUST ALSO ORDER THE CORRECT NUMBER OF THE ASSOCIATED SWITCHBOARD CABLES TO THE DISTRIBUTING FRAME IN EITHER OF THE PRECONFIGURED 200 OR 450 FOOT LENGTHS.

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ADVANCED NETWORK SERVICES  
SPECIFICATION FOR  
ADVANTAGE COMPACT  
SERVICE NODE  
CABINET  
(ACSN)

DWG SIZE C2 ISSUE 6

LUCENT TECHNOLOGIES INC ED1S022-10

SHEET A2 OF 22

TABLE A-FEATURES (CONTINUED)											
EQUIPMENT		RAT-ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA					SD EQUIVALENT		
DESCRIPTION	REF NOTE			QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
EQUIPMENT AND WIRING REQUIRED IN ADDITION TO GROUP 50 OR 530 TO PROVIDE A BASIC PERIPHERAL KIT WITHOUT REMOTE MONITOR CAPABILITY. PROVIDES ONE DUAL PORT RS232 UNIX TERMINAL PER ACSN CABINET EQUIPPED WITH AN RS232 5-PORT MANUAL SWITCH AND CABLING FOR FIVE C-SN/IP UNITS. FE/RA: NONE DA EFF: 06/18/98	68 69	DA	106								
EQUIPMENT AND WIRING REQUIRED IN ADDITION TO GROUP 50 OR 530, 600 OR 650 TO PROVIDE ONE REMOTE CONSOLE.			110								
EQUIPMENT AND WIRING REQUIRED IN ADDITION TO GROUP 50 OR 530 TO PROVIDE ONE ALARM RELAY UNIT. (ONE REQD PER EACH G50 OR 530)	70		120								
WIRING REQUIRED IN ADDITION TO GROUP 120 TO PROVIDE 450 FOOT SIGNAL DISTRIBUTOR AND SCAN POINT CABLES.	69		130								
WIRING REQUIRED IN ADDITION TO GROUP 120 TO PROVIDE 200 FOOT SIGNAL DISTRIBUTOR AND SCAN POINT CABLES.	69		140								
EQUIPMENT AND WIRING REQUIRED TO PROVIDE ONE ADDITIONAL DUAL PORT RS232 UNIX TERMINAL.	68		150								
EQUIPMENT, APPARATUS AND WIRING REQUIRED IN ADDITION TO GROUP 1, 600 OR 650 TO PROVIDE ONE INTELLIGENT PERIPHERAL MANAGER WORK STATION.			160								
WIRING AND EQUIPMENT REQUIRED IN ADDITION TO GROUP 50 OR 530 WHEN THE COMPACT SERVICE NODE IS ASSIGNED AS C SN/IP0 OR 10.			200								
WIRING AND EQUIPMENT REQUIRED IN ADDITION TO GROUP 50 OR 530 WHEN THE COMPACT SERVICE NODE IS ASSIGNED AS C SN/IP1 OR 11			210								
WIRING AND EQUIPMENT REQUIRED IN ADDITION TO GROUP 50 OR 530 WHEN THE COMPACT SERVICE NODE IS ASSIGNED AS C SN/IP2 OR 12.			220								
WIRING AND EQUIPMENT REQUIRED IN ADDITION TO GROUP 50 OR 530 WHEN THE COMPACT SERVICE NODE IS ASSIGNED AS C SN/IP3 OR 13.			230								
WIRING AND EQUIPMENT REQUIRED IN ADDITION TO GROUP 50 OR 530 WHEN THE COMPACT SERVICE NODE IS ASSIGNED AS C SN/IP4 OR 14.			240								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 50 OR 530 TO PROVIDE ONE 6GB IDE DISK DRIVE EQUIPPED WITH R8 SOFTWARE.			260								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 50 OR 530 TO PROVIDE ONE SCSA BUS CABLE. (MOD 3)			280								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 50 OR 530 TO PROVIDE ONE SCSA BUS CABLE. (MOD 4)			285								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 50 OR 530 TO PROVIDE ONE SCSA BUS CABLE. (MOD 6)			290								
TABLE-A CONTINUED											

ED1S022-10

TABLE A-FEATURES (CONTINUED)											
EQUIPMENT		RAT-ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA					SD EQUIVALENT		
DESCRIPTION	REF NOTE			QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
EQUIPMENT REQUIRED IN ADDITION TO GROUP 50 OR 530 TO PROVIDE ONE SCSA BUS CABLE. (MOD 7)			295								
WIRING AND EQUIPMENT REQUIRED IN ADDITION TO GROUP 50 OR 530 TO PROVIDE ONE SET OF DUAL SS7 LINKS. (PCI) (PSS7)	70		300								
APPARATUS AND WIRING REQUIRED IN ADDITION TO GROUP 50 OR 530 TO PROVIDE ONE 10/100MB FOUR PORT ETHERNET CONTROLLER CIRCUIT PACK (PCI). (CGT)			320								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 50 OR 530 TO PROVIDE ONE SCSI HOST ADAPTER CIRCUIT PACK AND ONE ACTIVE SCSI TERMINATOR. (SC0)			340								
WIRING AND EQUIPMENT REQUIRED IN ADDITION TO GROUP 50 OR 530 TO PROVIDE ONE SET OF DUAL ISUP SS7 LINKS. (PCI) (IS7)	74 75		350								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 50 OR 530 TO PROVIDE TWO 9GB SCSI DISK DRIVES.			360								
WIRING AND EQUIPMENT REQUIRED IN ADDITION TO GROUP 50 OR 530 TO PROVIDE FOUR RS232 LINKS (PCI). (ASN)	70		380								
WIRING AND EQUIPMENT REQUIRED IN ADDITION TO GROUP 50 OR 530 TO PROVIDE ONE SET OF DUAL X.25 LINKS. (PCI) (PX25)	70	NRTO	400								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 50 OR 530 TO PROVIDE FOUR A-BASIC RATE INTERFACE CIRCUIT PACKS (ABR).	70		420								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 50 OR 530 TO PROVIDE ONE VOICE AND T1 INTERFACE CIRCUIT PACK. (VT1).	75		440								
WIRING REQUIRED IN ADDITION TO GROUP 440 TO PROVIDE ONE VT1 TO DSX BAY CABLE. 450 FOOT LENGTH.	69		445								
WIRING REQUIRED IN ADDITION TO GROUP 440 TO PROVIDE ONE VT1 TO DSX BAY CABLE. 200 FOOT LENGTH.	69		446								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 50 OR 530 TO PROVIDE ONE VOICE AND E1 INTERFACE CIRCUIT PACK. (VE1)	75		450								
TABLE-A CONTINUED											

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ADVANCED NETWORK SERVICES  
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SERVICE NODE  
CABINET  
(ACSN)

DWG SIZE C2    ISSUE 6

LUCENT TECHNOLOGIES INC    ED1S022-10    SHEET A3 OF 22

TABLE A-FEATURES (CONTINUED)												
EQUIPMENT		EQUIPMENT OR CIRCUIT DATA							SD EQUIVALENT			
DESCRIPTION	REF NOTE	RAT-ING	LIST OR GROUP	QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT	
WIRING REQUIRED IN ADDITION TO GROUP 350 OR 450 TO PROVIDE ONE IS7 OR VE1 CARD TO DSX BAY CABLE TRANSMIT OR RECEIVE. (TWO REQUIRED PER PORT) 450 FOOT LENGTH.	SL	69	452									
WIRING REQUIRED IN ADDITION TO GROUP 350 OR 450 TO PROVIDE ONE IS7 OR VE1 CARD TO DSX BAY CABLE TRANSMIT OR RECEIVE. (TWO REQUIRED PER PORT) 200 FOOT LENGTH.	SL	69	454									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 50 OR 530 TO PROVIDE ONE ASR/VOICE CONNECTED DIGIT AND SUBWORD CIRCUIT PACK (BYC51) (A51)	SL		460									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 50 OR 530, 700 OR 750 TO PROVIDE AN ECHO CANCELLATION CIRCUIT PACK. (AYC53) (EC)	SL		480									
WIRING REQUIRED IN ADDITION TO GROUP 380 TO PROVIDE AN RS232 LINK TO A DCE DEVICE. (MAX. THREE PER CSN UNIT)	SL		490									
WIRING REQUIRED IN ADDITION TO GROUPS 300 OR 400 TO PROVIDE ONE X.25/SS7 EXTENDER CABLE. Y-CABLE TO DIGITAL SERVICE UNIT IN MODEM RACK,	SL		500									
WIRING REQUIRED IN ADDITION TO GROUP 420 TO PROVIDE ONE ABRI TO NT1 CABLE. (PROVIDES "U" INTERFACE) (30 FOOT LENGTH)	SL		510									
WIRING REQUIRED IN ADDITION TO GROUP 420 TO PROVIDE ONE ABRI TO DSX ("T" INTERFACE) CABLE 450 FOOT LENGTH.	ML	69	520									
WIRING REQUIRED IN ADDITION TO GROUP 420 TO PROVIDE ONE ABRI TO DSX ("T" INTERFACE) CABLE 200 FOOT LENGTH.	ML	69	525									
EQUIPMENT REQUIRED TO PROVIDE ONE GROWTH COMPACT SERVICE NODE/ INTELLIGENT PERIPHERAL UNIT. CONSISTS OF CHASSIS AND ASSOCIATED HARDWARE CURRENT LIMITING BACKPLANE, 725W POWER SUPPLY, ONE 3.5" FLOPPY DISK DRIVE, ONE 8GB SCSI DAT TAPE DRIVE AND ONE SPLITTER AND TERMINAL CABLE. (C-SN/IP1 THROUGH N)	ML	54	530									
WIRING REQUIRED TO PROVIDE AN RS232 LINK TO A DCE DEVICE FOR GROWTH APPLICATIONS. (MAX. THREE PER CSN UNIT)	ML		540									
EQUIPMENT REQUIRED TO PROVIDE TWO 9GB SCSI DISK DRIVES FOR GROWTH APPLICATIONS.	ML		550									
EQUIPMENT WIRING AND APPARATUS REQUIRED TO PROVIDE ONE COMPACT SERVICE NODE CABINET. (ACSNO) EQUIPPED WITH ONE ETHERNET HUB, ONE DUAL PORT RS232 UNIX TERMINAL AND ONE 5-PORT MANUAL SWITCH.	ML	54 63 66 68 73	600	1	ED1S022-10	1,10 105 200 210 220 230 240						
EQUIPMENT WIRING AND APPARATUS REQUIRED TO PROVIDE ONE COMPACT SERVICE NODE CABINET. (ACSNI) EQUIPPED WITH ONE DUAL PORT RS232 UNIX TERMINAL AND ONE 5-PORT MANUAL SWITCH.	ML	54 63 66 68 73	650	1	ED1S022-10	1 105 200 210 220 230 240						

TABLE-A CONTINUED

TABLE A-FEATURES (CONTINUED)												
EQUIPMENT		EQUIPMENT OR CIRCUIT DATA							SD EQUIVALENT			
DESCRIPTION	REF NOTE	RAT-ING	LIST OR GROUP	QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT	
EQUIPMENT REQUIRED IN ADDITION TO GROUP 600 OR 650 TO PROVIDE ONE COMPACT SERVICE NODE/ INTELLIGENT PERIPHERAL UNIT. CONSISTS OF CHASSIS & ASSOCIATED HARDWARE, CURRENT LIMITING BACKPLANE, 725W POWER SUPPLY, ONE 3.5" FLOPPY DISK DRIVE, ONE 8GB SCSI DAT TAPE DRIVE, ONE ALARM RELAY UNIT (ARU), ONE SPLITTER, TERMINAL CABLES AND INTRA-CABINET CABLES. (C-SN/IP0 THROUGH 4 OR 10 THROUGH 14) CONFIGURATION 1	SL	55	700	1 1 4 1 1 1 1 1 1 1 4 5 2 1 3	ED1S022-10	50, 70A 80 120 260 280 300 320 340 360 380 420 440 460 480 490						
EQUIPMENT REQUIRED IN ADDITION TO GROUP 600 OR 650 TO PROVIDE ONE COMPACT SERVICE NODE/ INTELLIGENT PERIPHERAL UNIT. CONSISTS OF CHASSIS & ASSOCIATED HARDWARE, CURRENT LIMITING BACKPLANE, 725W POWER SUPPLY, ONE 3.5" FLOPPY DISK DRIVE, ONE 8GB SCSI DAT TAPE DRIVE, ONE ALARM RELAY UNIT (ARU), ONE SPLITTER, TERMINAL CABLES AND INTRA-CABINET CABLES. (C-SN/IP0 THROUGH 4 OR 10 THROUGH 14) CONFIGURATION 2	SL	55	710	1 1 4 1 1 1 1 1 1 1 4 5 2 1 3	ED1S022-10	50, 70A 80 120 260 280 300 320 340 360 380 420 440 460 480 490						
EQUIPMENT REQUIRED IN ADDITION TO GROUP 600 OR 650 TO PROVIDE ONE COMPACT SERVICE NODE/ INTELLIGENT PERIPHERAL UNIT. CONSISTS OF CHASSIS & ASSOCIATED HARDWARE, CURRENT LIMITING BACKPLANE, 725W POWER SUPPLY, ONE 3.5" FLOPPY DISK DRIVE, ONE 8GB SCSI DAT TAPE DRIVE, ONE ALARM RELAY UNIT (ARU), ONE SPLITTER, TERMINAL CABLES AND INTRA-CABINET CABLES. (C-SN/IP0 THROUGH 4 OR 10 THROUGH 14) CONFIGURATION 10	SL	55	720	1 1 4 1 1 1 1 1 1 1 7 3 1 3	ED1S022-10	50, 70A 80 120 260 285 300 320 340 360 380 440 460 480 490						
EQUIPMENT REQUIRED IN ADDITION TO GROUP 600 OR 650 TO PROVIDE ONE COMPACT SERVICE NODE/ INTELLIGENT PERIPHERAL UNIT. CONSISTS OF CHASSIS & ASSOCIATED HARDWARE, CURRENT LIMITING BACKPLANE, 725W POWER SUPPLY, ONE 3.5" FLOPPY DISK DRIVE, ONE 8GB SCSI DAT TAPE DRIVE, ONE ALARM RELAY UNIT (ARU), ONE SPLITTER, TERMINAL CABLES AND INTRA-CABINET CABLES. (C-SN/IP0 THROUGH 4 OR 10 THROUGH 14) CONFIGURATION 15	SL	55	725	1 1 4 1 1 1 1 1 1 1 14 3	ED1S022-10	50, 70A 80 120 260 295 300 320 340 360 380 440 490						

TABLE-A CONTINUED

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BT13

ADVANCED NETWORK SERVICES  
SPECIFICATION FOR  
ADVANTAGE COMPACT  
SERVICE NODE  
CABINET  
(ACSNI)

DWG SIZE C2 ISSUE 6

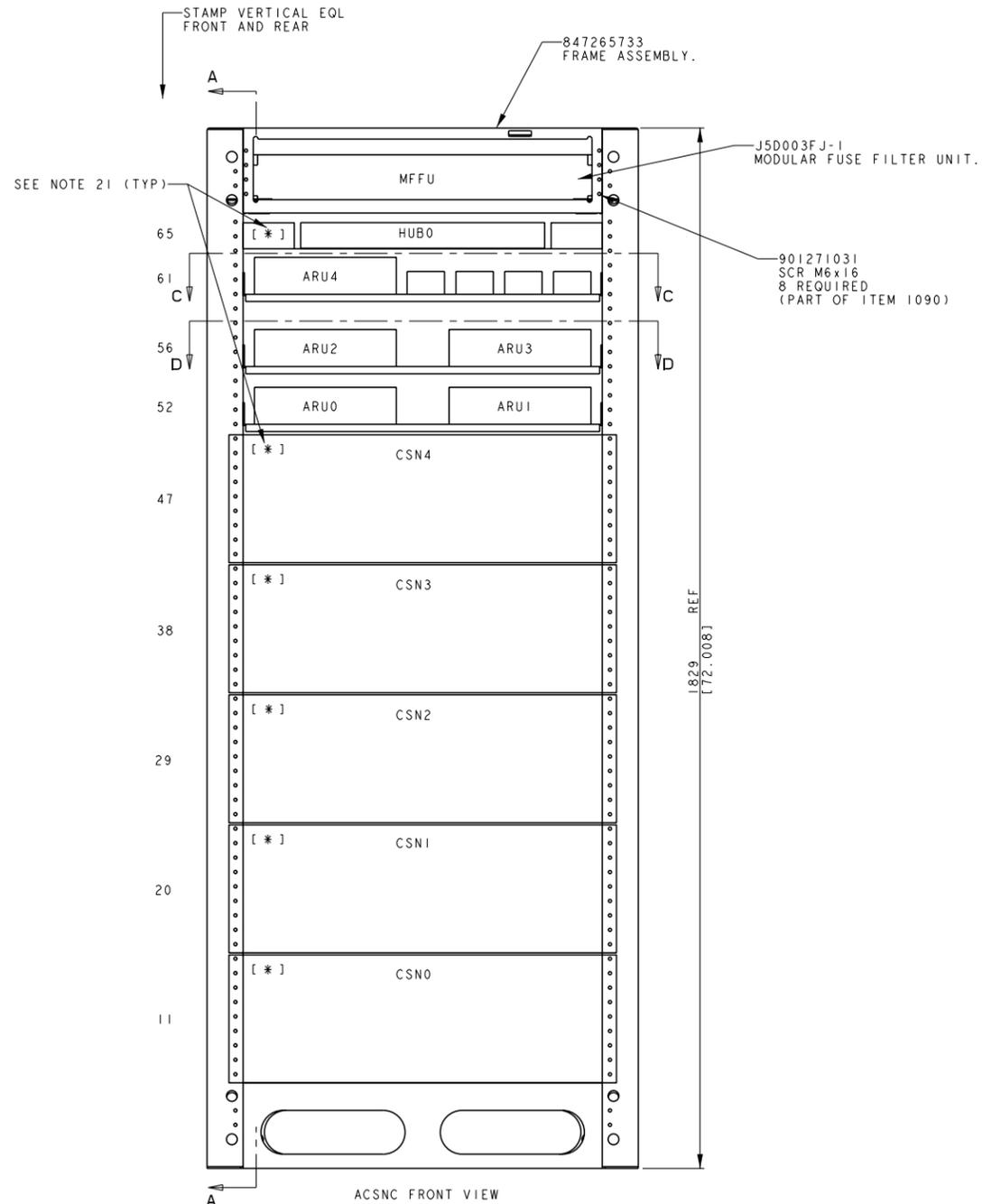
ED1S022-10

LUCENT TECHNOLOGIES INC ED1S022-10

SHEET A4 OF 22

PRINTED IN U.S.A.

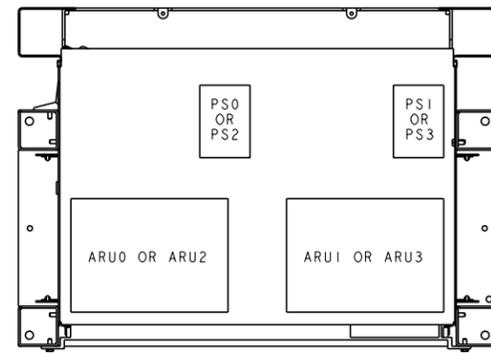




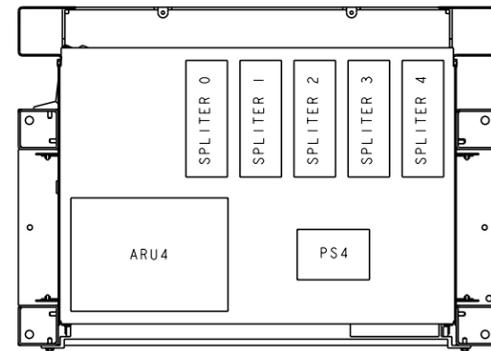
SEE NOTE 21 (TYP)

SEE SHEET B4 AND B5

ACSNC FRONT VIEW



SECTION D-D  
SHELF POSITION 52 OR 56

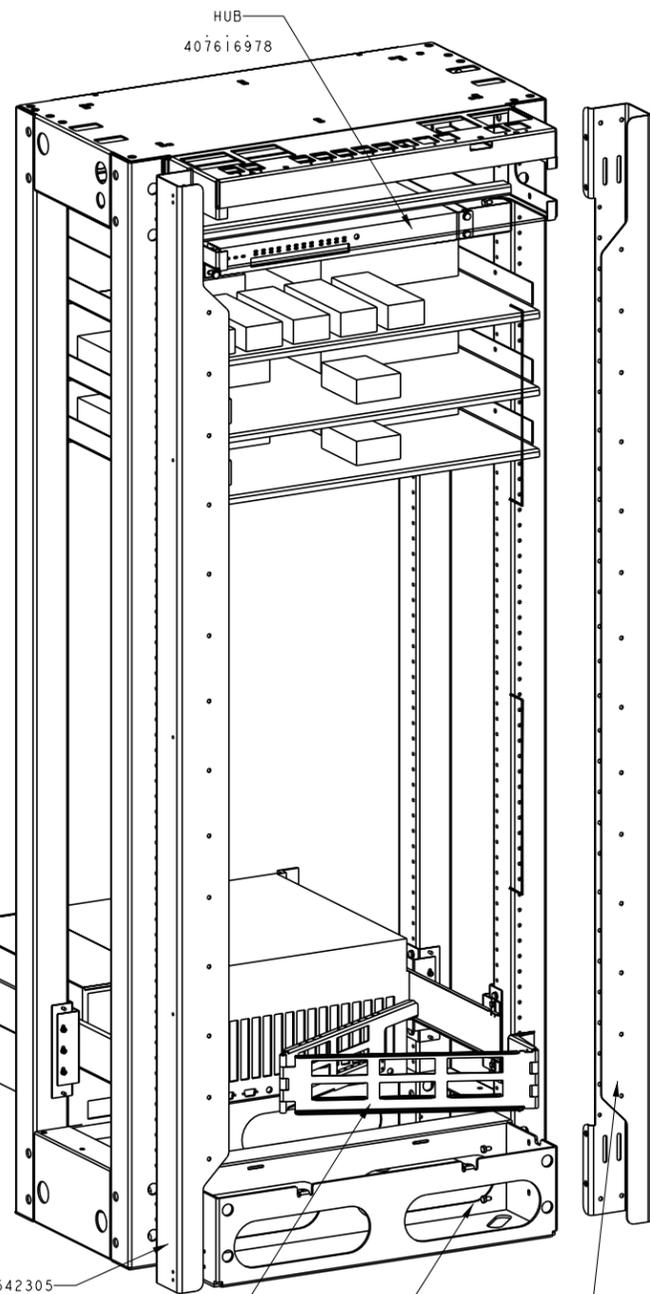


SECTION C-C  
SHELF POSITION 61

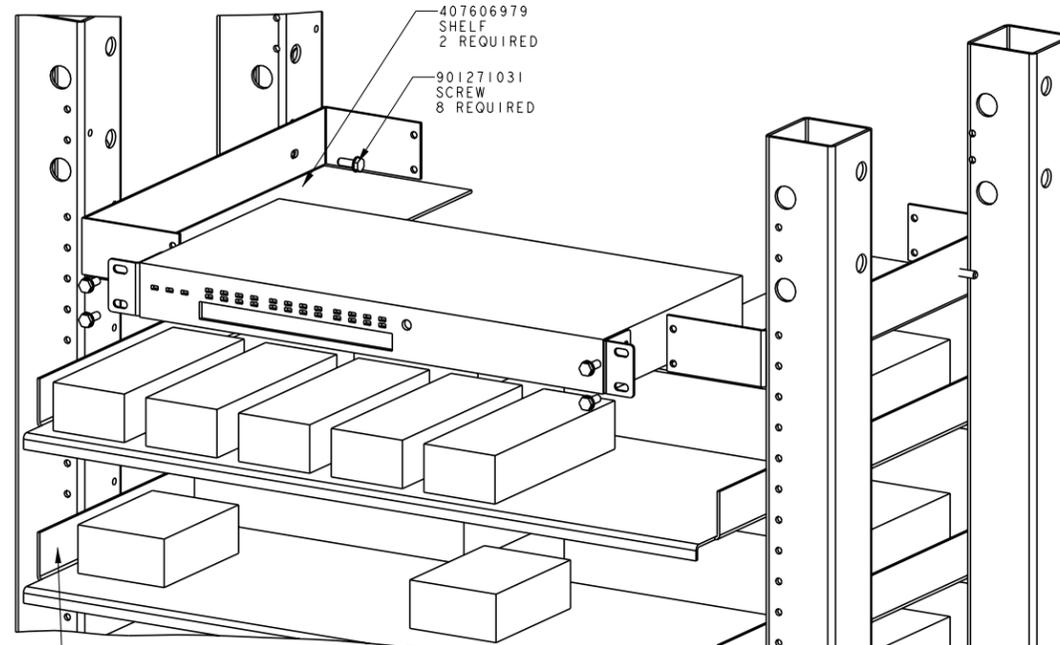
\* TEXT READABLE WHEN UNITS ARE IN CLOSED POSITION.

TITLE ADVANCED INTELLIGENT NETWORK SPECIFICATION FOR ADVANTAGE COMPACT SERVICE NODE CABINET (P)		Lucent Technologies	
THIRD ANGLE PJTN	LUCENT TECHNOLOGIES - PROPRIETARY USE PURSUANT TO COMPANY INSTRUCTIONS ALL RIGHTS RESERVED		
SCALE	EDIS022-10	SHEET B1	ISSUE 2
			DWG SIZE AIR

ACSNC SHOWN WITHOUT DOORS & SIDE PANELS ED5D785-( ) 2000 CABINET.

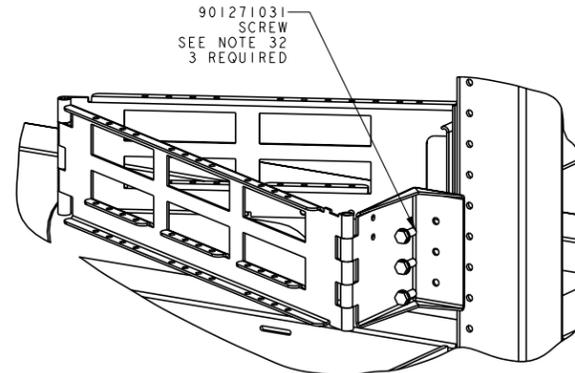


REAR VIEW

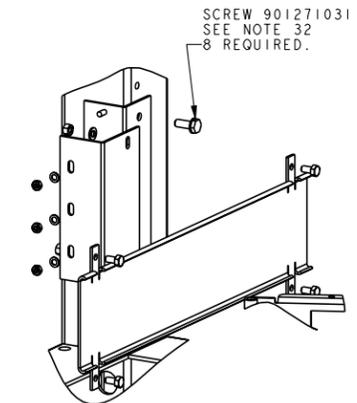


DETAIL MOUNTING HUB AND ARU

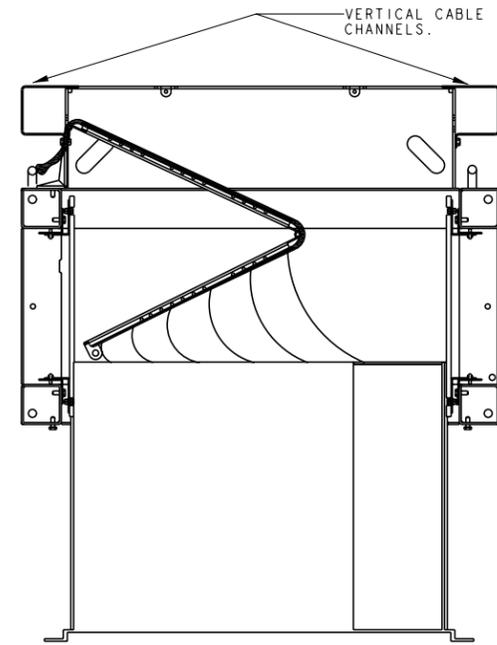
847639887 SHELF 2 REQUIRED  
901271031 SCREW 12 REQUIRED



DETAIL MOUNTING CABLE BRACKET ASSEMBLY  
846978104  
CENTER OF CABLE BRACKET ASSEMBLY IS EQUAL TO CENTER OF COMPACT SERVICE NODE UNIT.  
EQUALLY DISTRIBUTE CABLES OVER CABLE BRACKET ASSEMBLY.

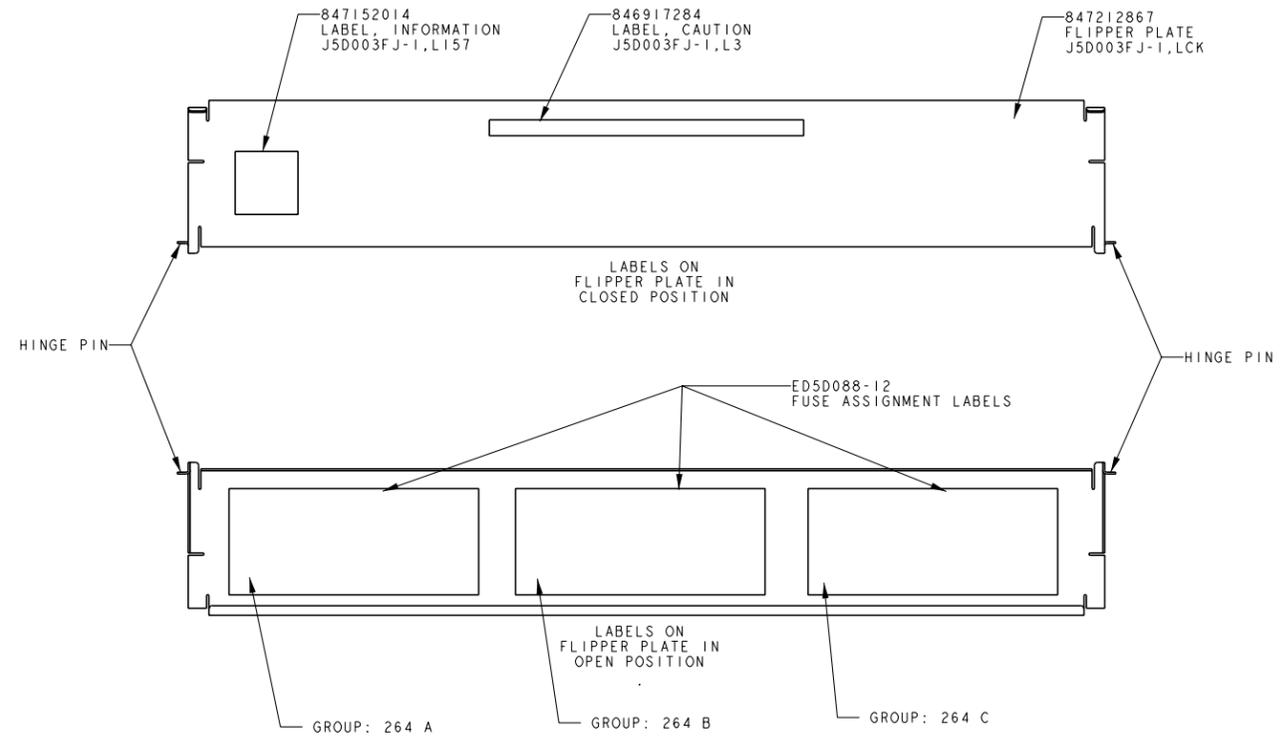
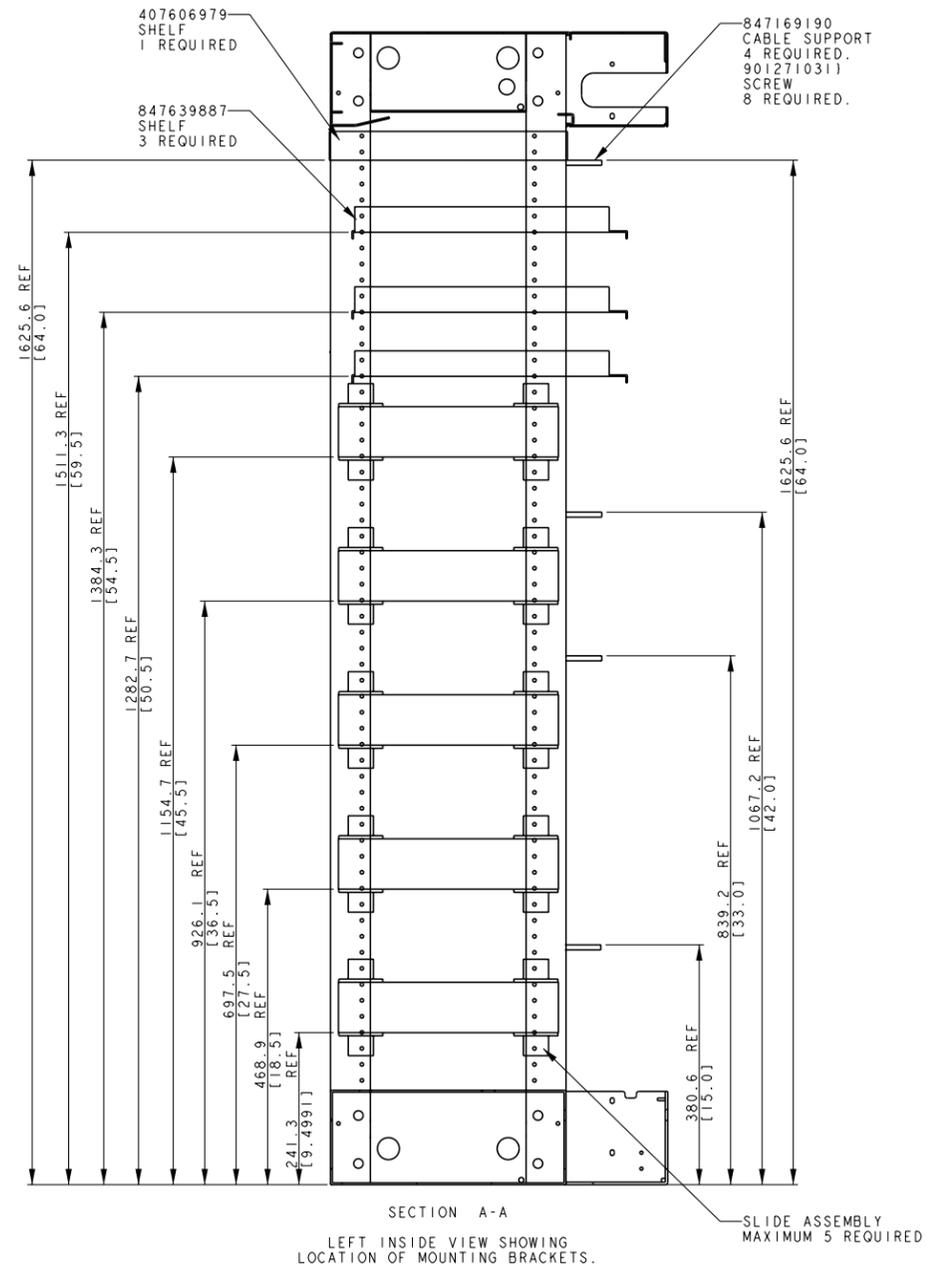


DETAIL MOUNTING SLIDE



DETAIL MOUNTING COMPACT SERVICE NODE UNIT ( IN OPEN POSITION ) AND METHOD OF RUNNING CABLE(S) ON CABLE BRACKET ASSEMBLY

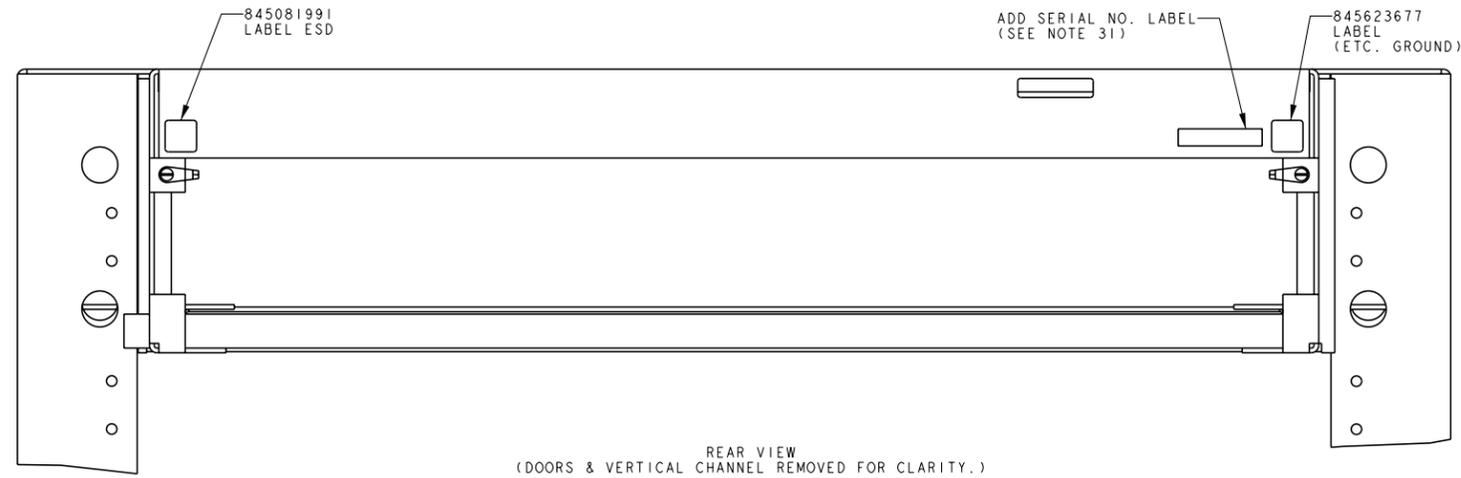
TITLE ADVANCED INTELLIGENT NETWORK SPECIFICATION FOR ADVANTAGE COMPACT SERVICE NODE CABINET (P)		Lucent Technologies	
THIRD ANGLE PJTN	LUCENT TECHNOLOGIES - PROPRIETARY USE PURSUANT TO COMPANY INSTRUCTIONS ALL RIGHTS RESERVED		
SCALE	EDIS022-10	SHEET B2	ISSUE 2
			DWG SIZE AIR



PROJ. AIR SHEET2.10.FRM AUG 94

TITLE ADVANCED INTELLIGENT NETWORK SPECIFICATION FOR ADVANTAGE COMPACT SERVICE NODE CABINET		Lucent Technologies	
THIRD ANGLE PJTN	LUCENT TECHNOLOGIES - PROPRIETARY USE PURSUANT TO COMPANY INSTRUCTIONS ALL RIGHTS RESERVED		
SCALE	EDIS022-10	SHEET B3	ISSUE 2
		DWG SIZE AIR	

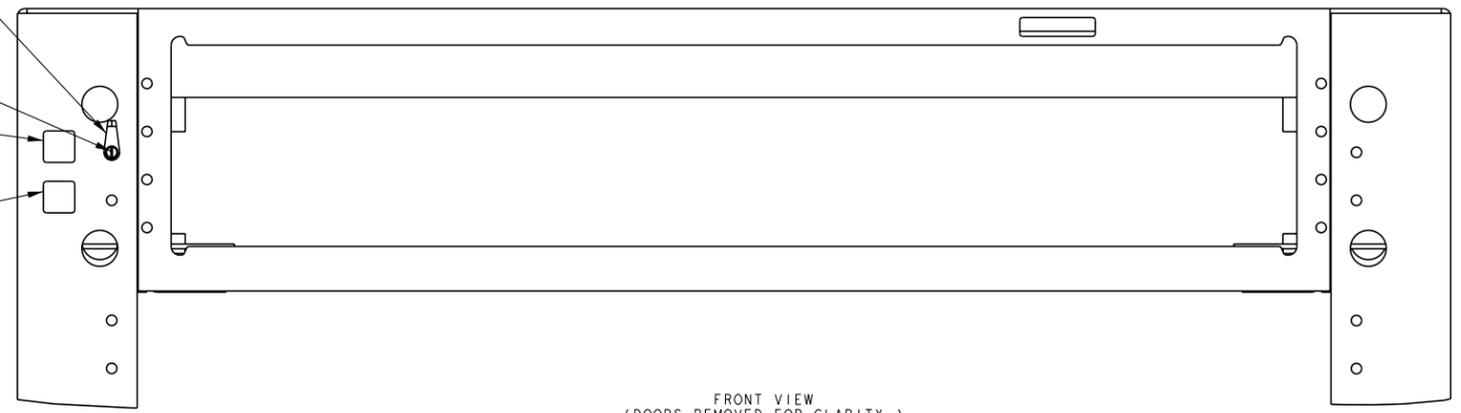
847245255



REAR VIEW  
(DOORS & VERTICAL CHANNEL REMOVED FOR CLARITY.)

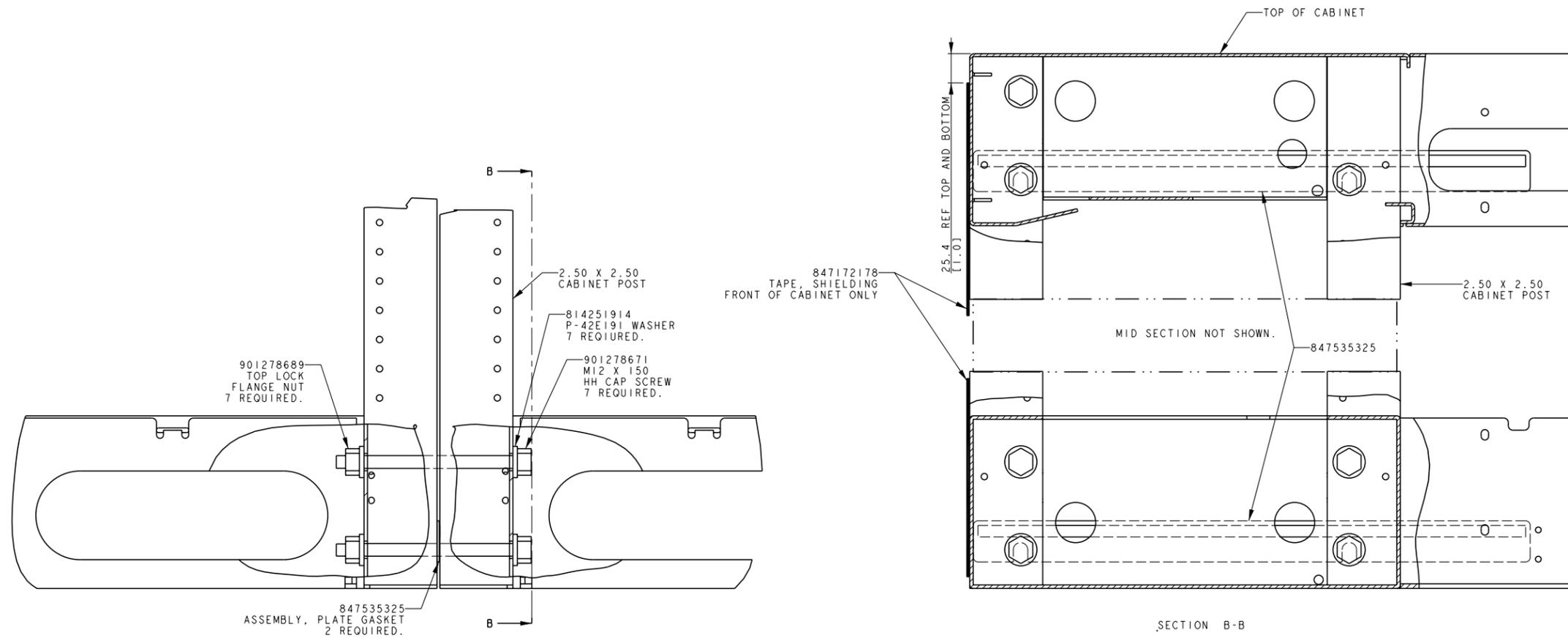
MATERIAL PROVIDED WITH  
KIT 847513470

- 405701756 LUG (GROUNDING POINT) 3 REQUIRED.
- 901271031 SCR TTF M6 1.0 X 16 mm. 3 REQUIRED.
- 845081991 LABEL ESD
- 846923290 LABEL, CAUTION



FRONT VIEW  
(DOORS REMOVED FOR CLARITY.)

TITLE ADVANCED INTELLIGENT NETWORK SPECIFICATION FOR ADVANTAGE COMPACT SERVICE NODE CABINET (P)		Lucent Technologies	
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SCALE	EDIS022-10	SHEET B4	ISSUE 2
			DWG SIZE AIR



901278689  
TOP LOCK  
FLANGE NUT  
7 REQUIRED.

814251914  
P-42E191 WASHER  
7 REQUIRED.

901278671  
M12 X 150  
HH CAP SCREW  
7 REQUIRED.

847535325  
ASSEMBLY, PLATE GASKET  
2 REQUIRED.

847172178  
TAPE, SHIELDING  
FRONT OF CABINET ONLY

25.4 REF TOP AND BOTTOM  
(1.0)

MID SECTION NOT SHOWN.

847535325

FRONT VIEW  
( DOORS REMOVED )  
METHOD OF JUNCTIONING TWO CABINETS

MATERIAL PROVIDED WITH  
KIT 847337565

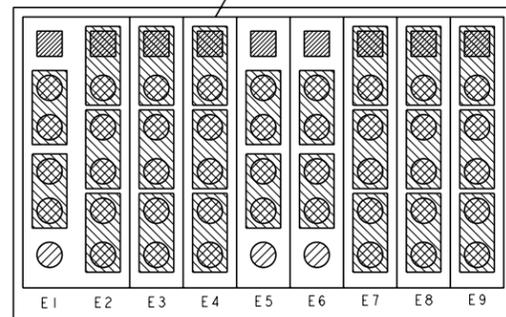
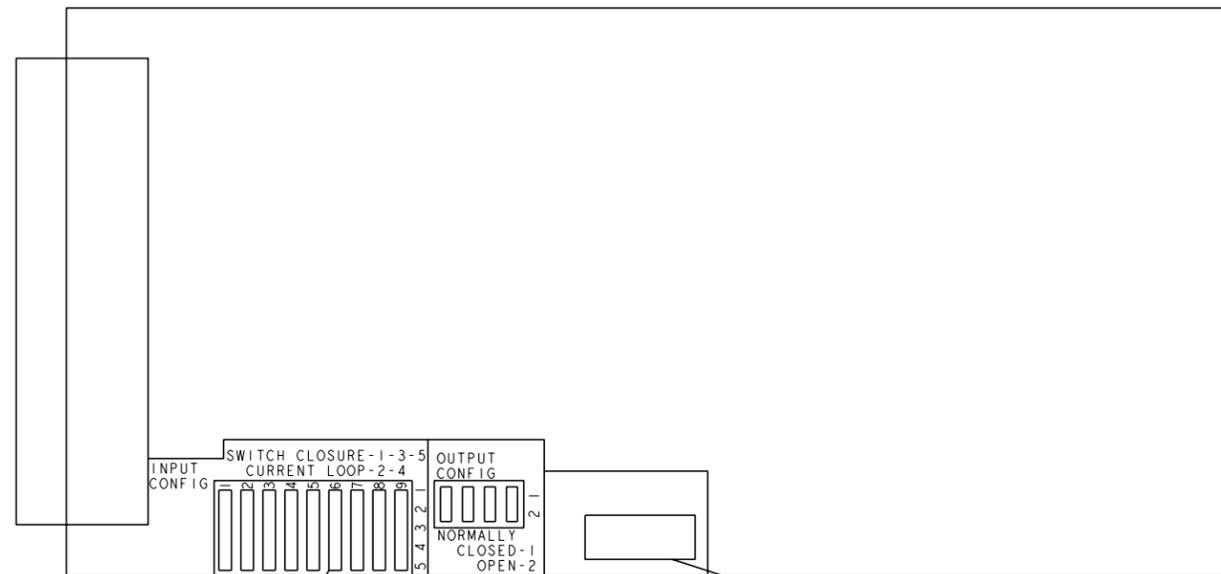
SECTION B-B

PROJ. AIR. SHEETZ. 10.17.04. 94

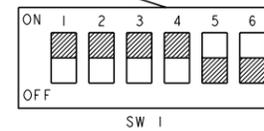
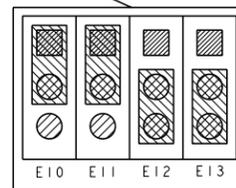
TITLE ADVANCED INTELLIGENT NETWORK SPECIFICATION FOR ADVANTAGE COMPACT SERVICE NODE CABINET (P)		Lucent Technologies		
THIRD ANGLE PJTN 	LUCENT TECHNOLOGIES - PROPRIETARY USE PURSUANT TO COMPANY INSTRUCTIONS ALL RIGHTS RESERVED			
SCALE	EDIS022-10	SHEET B5	ISSUE 2	DWG SIZE AIR

847245255

DTI PRODUCT  
 AABIO24 ALARM INTERFACE BOARD  
 JUMPER AND SWITCH LOCATIONS



NOT AVAILABLE



JUMPER POSITION IS INDICATED BY A HEAVY OUTLINE

PIN 1 IS DENOTED BY A "SQUARE" PIN



PROJ. AIR SHEET 2.10.1 PM AUG 94

TITLE ADVANCED INTELLIGENT NETWORK SPECIFICATION FOR ADVANTAGE COMPACT SERVICE NODE CABINET		Lucent Technologies	
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SCALE	EDIS022-10	SHEET B6	ISSUE 2
			DWG SIZE AIR

847245255

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ADVANCED INTELLIGENT NETWORK SPEC 4 ADVANTAGE COMPACT SERVICE NODE CABINET		
DWG SIZE c2	ISSUE 2	
Lucent Technologies, Inc.	ED1S022-10	SHEET B7

ED1S022-10

PRINTED IN U.S.A.

COIX 2-23-98

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ADVANCED INTELLIGENT NETWORK SPEC 4 ADVANTAGE COMPACT SERVICE NODE CABINET		
DWG SIZE c2	ISSUE 2	
Lucent Technologies, Inc.	ED1S022-10	SHEET B8

ED1S022-10

PRINTED IN U.S.A.

COIX 2-23-98

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MANUFACTURING NOTES

\*\*\*\*\* CONTINUED \*\*\*\*\*

TECHNOLOGY. SN/COMCODE LABEL ORDERS TO GRAPHIC TECHNOLOGY MUST SPECIFY QUANTITY REQUIRED, LIST NUMBER FROM KS23490, THE COMCODES REQUIRED AND THE BLOCK OF LUCENT TECHNOLOGIES SERIAL NUMBERS REQUIRED. LUCENT TECHNOLOGIES IS RESPONSIBLE FOR SUPPLYING THE INTEGRATOR WITH THE LUCENT SERIAL NUMBERS ALLOCATED ON A MONTHLY BASIS WITH PROJECTED PRODUCTION QUANTITIES. THE INTEGRATOR'S MANUFACTURING LOCATION ID CODE FOR USE IN THE SERIAL NUMBER LABELS IS "9R".

CLEI LABELS ARE TO BE APPLIED TO THE CIRCUIT PACKS PER FIGURES ON THE B-SHEETS. SERIAL NUMBER AND COMCODE LABELS ARE TO BE APPLIED TO THE SOLDER SIDE OF THE APPARATUS PRINTED WIRING BOARDS IN CONSISTANT LOCATIONS AS DETERMINED BY THE INTEGRATOR.

THE INTEGRATOR MAY ALSO APPLY STANDARD SUBRACK SERIALIZATION LABELING TO THE OUTSIDE OF THE DTI UNIT CHASSIS AS PART OF THE STANDARD MANUFACTURING PROCESS.

THE INTEGRATOR IS TO PROCURE AND APPLY SERIALIZATION LABELING ON ALL CABINETS AS SHOWN ON THE REAR RIGHT HAND UPPER CORNER VIEW OF SHEET B4. LABELS SHOULD CONFORM TO KS23490, LIST 5.

X 32. TO BE OBTAINED FROM:

BLACK BOX CORPORATION.  
P.O. BOX 12800  
PITTSBURG, PA 15241

TEL. (412) 746-5500, FAX. (412) 746-0746

X X

33. THE COMCODES SHOWN IN THE DRAWING IDENTIFICATION FIELD REFERENCED BY THIS NOTE ARE NOT THE INDIVIDUAL OR SINGULAR COMCODE FOR THE PART DESCRIBED BUT ARE THE FACTORY'S BULK ORDERING COMCODE. TABLE JJ CONTAINS THE FACTORY'S BULK ORDERING COMCODE FOR THE DESCRIBED PART AND THE EQUIVALENT SINGULAR/INDIVIDUAL COMCODE THAT MAY BE REQUIRED BY AN INSTALLER, CUSTOMER, REGIONAL LINE ENGINEER, OR A CLASS A CHANGE NOTICE.

X

34. THE RS232 SWITCH PROVIDED WITH GROUPS 105 AND 106 IS TO BE MOUNTED ADJACENT TO THE CONSOLE/LMT TERMINAL. THE CONNECTIONS AT THE REAR OF THE SWITCH CONSIST OF TWO ROWS OF SIX 9-PIN CONNECTORS LABELED A THROUGH F. THE TOP ROW OF CONNECTORS ARE FOR THE LMT CABLES AND THE BOTTOM ROW ARE FOR THE CONSOLE CABLES. THEY ARE ASSIGNED AS FOLLOWS:

ACSN0	CONSOLE BOTTOM	LMT TOP
A	MS0 P3	C-SN/IP0 COM2
B	MS1 P3	C-SN/IP1 COM2
C	TERM P1	TERM P2
D	MS2 P3	C-SN/IP2 COM2
E	MS3 P3	C-SN/IP3 COM2
F	MS4 P3	C-SN/IP4 COM2

ACSN1	CONSOLE BOTTOM	LMT TOP
A	MS5 P3	C-SN/IP5 COM2
B	MS6 P3	C-SN/IP6 COM2
C	TERM P1	TERM P2
D	MS7 P3	C-SN/IP7 COM2
E	MS8 P3	C-SN/IP8 COM2
F	MS9 P3	C-SN/IP9 COM2

X

35. THIS CABLE IS TO BE ATTACHED TO THE DIGI RS232 CARD AT THE RJ45 END AND ROUTED THROUGH A STRAIN RELIEF CLAMP ON THE REAR OF THE UNIT. THE OTHER END IS TO COILED NEAR THE CABINET TOP, BAGGED AND ATTACHED TO THE CABINET UPRIGHT.

X X

36. SCSA CABLE TYPES ARE DEFINED AS FOLLOWS:

- TYPE MOD 3 - MUPAC PART NUMBER 9031717-01, 12 CONNECTORS, CONNECTORS 1 - 9 STANDARD SPACING, CONNECTOR 10 OFFSET, FOR 1 EC AND 2 A51.
- TYPE MOD 4 - MUPAC PART NUMBER 9031765-01, 11 CONNECTORS, CONNECTORS 1 - 7 STANDARD SPACING, CONNECTOR 8 OFFSET, PIN CUT BETWEEN CONNECTORS 8 AND 9, FOR 1 EC AND 3 A51.
- TYPE MOD 6 - MUPAC PART NUMBER 9031885-02, 13 CONNECTORS, CONNECTORS 1 - 11 STANDARD SPACING, CONNECTOR 12 OFFSET, FOR 1 EC AND 1 A51 CARD.
- TYPE MOD 7 - MUPAC PART NUMBER 9031886-01, 14 CONNECTORS,

----- CONTINUED ON NEXT SHEET -----

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MANUFACTURING NOTES

\*\*\*\*\* CONTINUED \*\*\*\*\*

27. TO BE OBTAINED FROM :

AMTELCO  
4800 CURTAN DRIVE  
MCFARLAND, WI 53558

TEL. (608) 838-4194, FAX. (608) 838-8361

X

28. TO BE OBTAINED FROM :

COGENT DATA TECHNOLOGIES  
15375 SE 30TH PLACE, SUITE 310  
BELLEVUE, WA 98007

TEL. (206) 603-0333, FAX. (206) 603-9223

X

29. TO BE OBTAINED FROM:

DIGI INTERNATIONAL.  
11001 BREN ROAD E.  
MINNETONKA, MN 55343

TEL. (612) 912-3444, FAX. (612) 912-4991

X

30. DIVERSIFIED TECHNOLOGIES INC. (DTI) IS TO PROCURE AND APPLY ALL LABELING ON THE COMPACT SERVICE NODE UNIT PLUGGABLE APPARATUS. THESE REQUIRED LABELS INCLUDE THE CLEI LABELS PER LUCENT SPECIFICATION KS22002, LIST 53 AND SERIAL NUMBER AND COMCODE LABELS PER LUCENT SPECIFICATION KS23490, LIST 5. THE CLEI LABELS ARE COMCODED ITEMS ORDERED BY GROUPS CA, CB, CC ETC. OF THIS DRAWING. THEY MAY BE PRINTED IN-HOUSE PER KS22002 REQUIREMENTS OR PROCURED BY COMCODE FROM THE FOLLOWING LUCENT APPROVED VENDOR:

GRAPHIC TECHNOLOGY  
301 GARDNER DRIVE  
NEW CENTURY, KANSAS 66031

TELEPHONE (913) 764-5550 EXT 181 (ATTN: FRED COMBS)

THE SERIAL NUMBER AND COMCODE LABELS CAN ALSO BE PRINTED IN-HOUSE PER KS23490, LIST 5 REQUIREMENTS OR PROCURED FROM GRAPHIC TECHNOLOGY. SN/COMCODE LABEL ORDERS TO GRAPHIC TECHNOLOGY MUST SPECIFY QUANTITY REQUIRED, LIST NUMBER FROM KS23490, THE COMCODES REQUIRED AND THE BLOCK OF LUCENT TECHNOLOGIES SERIAL NUMBERS REQUIRED. LUCENT TECHNOLOGIES IS RESPONSIBLE FOR SUPPLYING THE INTEGRATOR WITH THE LUCENT SERIAL NUMBERS ALLOCATED ON A MONTHLY BASIS PER PROJECTED PRODUCTION QUANTITIES. DTI'S MANUFACTURING LOCATION ID CODE FOR USE IN THE SERIAL NUMBER LABELS IS "9S".

CLEI, SERIAL NUMBER AND COMCODE LABELS ARE TO BE APPLIED TO THE SOLDER SIDE OF THE PLUGGABLE APPARATUS PRINTED WIRING BOARDS IN CONSISTANT LOCATIONS TO BE DETERMINED BY DTI. LABEL VISIBILITY WHEN THE PACKS ARE INSTALLED IN THE DTI CHASSIS, IE. TOP EDGE OF PWB IS PREFERRED BUT NOT REQUIRED BASED ON SPACE AVAILABLE.

THE INTEGRATOR MAY ALSO APPLY STANDARD SUBRACK SERIALIZATION LABELING TO THE OUTSIDE OF THE TELECOM SERVER CHASSIS AS PART OF STANDARD MANUFACTURING PROCESS. THE DTI SERIAL NUMBER ON THE SUBRACK LABEL IS TO CORRELATE TO THE SPECIFIC CONTENTS OF THE CHASSIS. AN ELECTRONIC AND HARD COPY DATABASE OF ALL LUCENT TECHNOLOGIES SERIAL NUMBERS CORRELATING TO THE DTI SUBRACK SERIAL NUMBER IS TO BE MAINTAINED, WITH AT LEAST A HARD COPY RECORD ACCOMPANYING EACH SUBRACK DELIVERED TO THE INTEGRATOR. ELECTRONIC TRANSFER OF THE SAME SERIAL NUMBER TRACKING DATA WILL BE PER REQUIREMENTS ESTABLISHED BY THE INTEGRATOR.

X

31. THE INTEGRATOR IS TO PROCURE AND APPLY ALL LABELING ON ALL OPTIONAL DTI UNIT PLUGGABLE APPARATUS. REQUIRED LABELS INCLUDE THE CLEI LABELS PER LUCENT SPECIFICATION KS22002, LIST 53 AND SERIAL NUMBER AND COMCODE LABELS PER LUCENT SPECIFICATION KS23490, LIST 5. THE CLEI LABELS ARE COMCODED ITEMS ORDERED BY GROUPS CA, CB, CC ETC. OF THIS DRAWING. THEY MAY BE PRINTED IN-HOUSE PER KS22002 REQUIREMENTS OR PROCURED BY COMCODE FROM THE FOLLOWING LUCENT APPROVED VENDOR:

GRAPHIC TECHNOLOGY  
301 GARDNER DRIVE  
NEW CENTURY, KANSAS

TELEPHONE (913) 764-5550 EXT 181 (ATTN: FRED COMBS)

THE SERIAL NUMBER AND COMCODE LABELS CAN ALSO BE PRINTED IN-HOUSE PER KS23490, LIST 5 REQUIREMENTS OR PROCURED FROM GRAPHIC TECHNOLOGY. SN/COMCODE LABEL ORDERS TO GRAPHIC TECHNOLOGY MUST SPECIFY QUANTITY REQUIRED, LIST NUMBER FROM KS23490, THE COMCODES REQUIRED AND THE BLOCK OF LUCENT TECHNOLOGIES SERIAL NUMBERS REQUIRED. LUCENT TECHNOLOGIES IS RESPONSIBLE FOR SUPPLYING THE INTEGRATOR WITH THE LUCENT SERIAL NUMBERS ALLOCATED ON A MONTHLY BASIS PER PROJECTED PRODUCTION QUANTITIES. DTI'S MANUFACTURING LOCATION ID CODE FOR USE IN THE SERIAL NUMBER LABELS IS "9S".

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MANUFACTURING NOTES

1. X PARTS REQUIRED FOR INSTALLATION.

X/ PARTS REQUIRED FOR MANUFACTURE WHEN EQUIPMENT IS SHOP MOUNTED OR BY THE INSTALLER WHEN THE EQUIPMENT IS TO BE FIELD MOUNTED.

\* PARTS THAT ARE TO BE SHIPPED ATTACHED TO OR ENCLOSED IN THE SAME CONTAINER WITH THE ASSOCIATED ASSEMBLED ITEM.

\*/ PARTS (A) REQUIRED FOR MANUFACTURE WHEN EQUIPMENT INVOLVED IS SHOP MOUNTED OR (B) TO BE SHIPPED ATTACHED TO, OR ENCLOSED IN THE SAME CONTAINER WITH THE ASSOCIATED ASSEMBLED ITEM WHEN FIELD MOUNTED.

( ) INDICATES DESIGNATIONS TO BE STAMPED IN ACCORDANCE WITH JOB INFORMATION.

{ } INDICATES DESIGNATIONS SHOWN FOR INFORMATION ONLY AND ARE NOT TO BE STAMPED.

< > INDICATES DESIGNATIONS AND/OR INFORMATION PROVIDED IN ACCORDANCE WITH OTHER INFORMATION.

"W" PARTS ASSEMBLED AT THE SAME TIME THE EQUIPMENT IS MOUNTED.

"W\*" PARTS TO BE (A) SHOP ASSEMBLED, BUT WHICH CANNOT BE ASSEMBLED UNTIL THE ASSOCIATED EQUIPMENT IS BEING MOUNTED, OR (B) SHIPPED ATTACHED TO, OR ENCLOSED IN THE SAME CONTAINER WITH THE ASSOCIATED EQUIPMENT WHEN FIELD MOUNTED.

"S" PARTS NOT ASSEMBLED, SHIPPED SEPARATELY.

A/R AS REQUIRED.

"B" PARTIAL ASSEMBLIES ON OTHER DRAWINGS WITH STOCKLISTS.

X X

12. THIS DOCUMENT CONTAINS BOTH CUSTOMARY U.S. (INCH) AND SI (METRIC) DIMENSIONS. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS. EQUIVALENT INCH DIMENSIONS ARE ENCLOSED IN BRACKETS.

X X

13. WHEN JUNCTIONING SIX FOOT CABINETS TOGETHER THE LEVEL OF EACH CABINET SHALL BE DETERMINED AT THE TOP SURFACE OF THE CABINET AND NOT THE BOTTOM, WHEN JUNCTIONING THE CABINETS TOGETHER IN BLOCKS OF TWO, THREE OR FOUR CABINETS.

X X

14. THE HEXAGON HEAD CAP SCREWS USED FOR JUNCTIONING CABINETS TOGETHER MAY BE INSERTED FROM EITHER SIDE OF THE JUNCTION AS DETERMINED BY THE MANUFACTURING LOCATION.

X

15. ALL B-SHEETS SHOW MAXIMUM CONFIGURATIONS.

X

16. CABINET ADDRESS LABELS SHOWN IN THE STOCKLIST ARE FOR ACCOUNTING PURPOSES ONLY ACTUAL LABELS ARE PROVIDED PER JOB SPECIFICATIONS.

X

17. ATTACH ONE LABEL TO THE TOP, MIDDLE, REAR OF THE CABINET FOR IDENTIFICATION PURPOSES. THE REMAINING LABELS ARE TO BE BAGGED AND ATTACHED TO THE CABINET FOR FIELD APPLICATION TO THE FRONT AND REAR INDICATOR STRIPS.

X

18. STAMP THE UNIT IDENTIFICATION I.E. (HUB0,CSN0 ETC.) ON EACH UNIT IN .318MM (.125 IN) CHARACTERS, BLACK INK, APPROXIMATELY AS SHOWN.

X

19. THESE ITEMS ARE NOT REQUIRED FOR MANUFACTURE BUT ARE TO BE STAGED BY COLUMBUS GLOBAL PROCUREMENT CENTER FOR WHOLE ORDER SHIPMENT.

X

21. STAMP THE UNIT IDENTIFICATION I.E. (CSN0, CSN1 ETC.) ON EACH UNIT IN .318MM (.125 IN) CHARACTERS, BLACK INK, APPROXIMATELY AS SHOWN.

X

25. TO BE OBTAINED FROM:

DIVERSIFIED TECHNOLOGIES INC.  
476 HIGHLAND COLONY PARKWAY  
RIDGELAND, MS 39158

TEL. (601) 856-4121, FAX. (601) 856-2888

X

26. TO BE OBTAINED FROM :

CARLO GAVAZZI, INC.  
MUPAC BUSINESS UNIT  
10 MUPAC DRIVE  
BROCKTON, MA 02401.

TEL. (508) 588-6110, FAX. (508) 588-0498

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BT13

ADVANCED NETWORK SERVICES  
SPECIFICATION FOR  
ADVANTAGE COMPACT  
SERVICE NODE  
CABINET  
(ACSN)

DWG SIZE C2 ISSUE 6

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1000	1,600,650	1 1	847265733		ASSEMBLY, FRAME			
1010	1,600,650	1 1	847513470		KIT, SAFETY (LABELS)			
1020	1,600,650	1 1	847337565		KIT, JUNCTION UNITIZED (EMC)			13 14
1030	1,600,650	4 4	847513512		KIT, CABLE ROD 3.00"			
1050	1,600,650	4 4	901249177		LABEL, DESIGNATION			16 17
1060	1,600,650	1 1	847542305		CHANNEL, LEFT VERTICAL CABLE			
1070	1,600,650	1 1	847306008		ASSEMBLY, CHANNEL (VERTICAL CABLE)			
1080	1,600,650	8 8	901296160		SCREW, HEXAGONAL WASHER #M6X10MM M6 X 10MM LG, STEEL, ACR2 PHILLIPS, ZINC OLIVE DRAB CHROMATE			
1090	1 600 650	1 1 1	J5D003FJ-1,L157, LCH,LCK,LDB L157,LCH,LCK, LDB L157,LCH,LCK, LDB		UNIT, MODULAR, FUSE/FILTER			
1095	1,600	1	847393402		LABEL, CAUTION			
1100	1 600	1 1	ED5D088-12, G264A,G264B, G264C G264A,G264B, G264C		LABELS, FUSE FOR ACSNCO			
1110	1,600,650	1 1	407732734		KIT, GROUNDING #6920156-01 MUPAC			
1130	1 600 650	1 1 1	ED5D734-14,G19 G19 G19		CABLE, MFFU POWER & ALARM MFFU ALARM TO LED-INDICATOR			
1140	10	1	407616978		UNIT #S1200 TX COGENI			28
1141	10,600	1	407869759		HUB, ELECTRONIC, STACKABLE #8012E-48V GARRETT POS. 65			26
1150	10,600	2	406693895	WP91768L108	FUSE, 3.00 AMP FAST ACTING HUB			
1160	10,600	2	407606979		BRACKET, MOUNTING #690UZ037-01-50 MUPAC POS. 65			
1170	10,600	8	901271031		SCREW, HEXAGONAL WASHER #M6X16 PHILLIPS ACR 2			
1180	10,600	1	407877844		ASSEMBLY, WIRING #9031545-02 MUPAC HUB POWER			26
1200	1,600,650	3 3	847639887		ASSEMBLY, PANEL SHELF POS. 52, 56 & 61			
1210	1,600,650	12 12	901271031		SCREW, HEXAGONAL WASHER #M6X16 PHILLIPS ACR 2			
1300	20	1	847337573		KIT, JUNCTION NON-UNITIZED (EMC)			19
1310	20	1	847306677		KIT, INDICATOR (FUSE, EMC)			19
1320	20	1	847306636		KIT, INDICATOR (BLANK, EMC)			19

STOCKLIST CONTINUED ON SHEET D3

S H O P I N S T	MANUFACTURING NOTES	
	***** CONTINUED *****	
	CONNECTORS 1 - 14 STANDARD SPACING.	

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BT13	
ADVANCED NETWORK SERVICES SPECIFICATION FOR ADVANTAGE COMPACT SERVICE NODE CABINET (ACSN)	
DWG SIZE C2	ISSUE 6
LUCENT TECHNOLOGIES INC ED1S022-10	
SHEET D2 OF 22	

ED1S022-10

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1330	20	1	847443314		KIT, CABINET DOOR ASSY (EMC) AINET			19
1340	20	4	108165382	ED5A079-30,	CABLE ASSEMBLY, POWER 100 FEET, A BUS - RED			19
1350	20	4	108165408	ED5A079-30,	CABLE ASSEMBLY, POWER 100 FEET, B BUS - BLUE			19
1360	20	12	407132257		FUSE, ALARM/INDICATING-PIN/BEAD #WP92955L8 PDU - 25A			19
1370	20	8	107424897	1187E	FILTER, EMI POWER LINE			19
1372	20	8	901252304		SCREW, SPL PHLS RECESSED PAN HEAD M4-8 STEEL, ZINC OLIVE DRAB CHROMATE FINISH QUALITY SCREW & NUT CO.			19
1380	20	1	ED5D511-31,G1		MATERIAL, ANCHOR			19
1390	20	1	ED4A306-70,G24		DETAILS, FRAMEWORK ANCHORING			19
1450	25	1	ED4A306-70,G25		DETAILS, FRAMEWORK ANCHORING			19
1460	30	1	ED5D511-31,G11		MATERIAL, ANCHOR			19
1500	50,530, 700,710, 720,725, 730,800, 810,820, 825,830	1 1 1 1 1 1	407872894		SHELF, CONTROL #913000491 CLEI = ESPQAW8A DTI C-SN/IP0, 5 - POS. 11, C-SN/IP1, 6 - POS 20, C-SN/IP2, 7 - POS. 29, C-SN/IP3, 8 - POS. 38, C-SN/IP4, 9 - POS. 47			25
1501	50,530, 700,710, 720,725, 730,800, 810,820, 825,830	1 1 1 1 1 1	472317445	KS22002L53	BAR CODE LABEL, FACEPLATE CLEI = ESPQAW8AAA			25
1510	50,530, 700,710, 720,725, 730,800, 810,820, 825,830	2 2 2 2 2 2	406808469	WP92458L13	FUSE, CARTRIDGE 15 AMP			26
1520	50,530, 700,710, 720,725, 730,800, 810,820, 825,830	1 1 1 1 1 1	407919430		ASSEMBLY, CABLE SUPPORT #6900272-01 MUPAC C-SN/IP0, 5 - POS. 11, C-SN/IP1, 6 - POS 20, C-SN/IP2, 7 - POS. 29, C-SN/IP3, 8 - POS. 38, C-SN/IP4, 9 - POS. 47			26
1550	50,530, 700,710, 720,725, 730,800, 810,820, 825,830	4 4 4 4 4 4	408002665		WASHER, FINISHING #1001232-Y3 MUPAC			26
1640	70,700, 710,720, 800,810, 820	2 2 2 2	407652627		PACK, CIRCUIT #LBE-7510-200MHZ CLEI = GCPQAWNJ DTI POS. CPU 0,1 (P6)			25
1641	70,700, 710,720, 800,810, 820	2 2 2 2	472235589	KS22002L53	BAR CODE LABEL CLEI = GCPQAWNJAA			25
1642	70A,700, 710,720, 725,730, 800,810, 820,825, 830	2 2 2 2 2 2	407918069		PACK, CIRCUIT #912057510 DTI POS. CPU 0,1 (P6)			25
1643	70A,700, 710,720, 725,730, 800,810, 820,825, 830	2 2 2 2 2 2	472341460	KS22002L53	BAR CODE LABEL CLEI = ESPQAXNAAA			25
1650	80	1	407731827		MODULE, CENTRAL PROCESSING UNIT #410004049 DTI POS. CPU 0,1 (128MB DRAM SIMM)			25

\*\*\*\*\* STOCKLIST CONTINUED AT RIGHT \*\*\*\*\*

ED1S022-10

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1660	800	4	407652627		PACK, CIRCUIT #LBE-7510-200MHZ CLEI = GCPQAWNJ DTI POS. CPU0, 1 (P6)			25
1661	800	4	472235589	KS22002L53	BAR CODE LABEL CLEI = GCPQAWNJAA			25
1700	100,101, 105,106, 110,600, 650	1 1 1 1	407633908		KIT, MONITOR SET #3530-4014-7182 SUN RIVER NOW BOUNDLESS TECHNOLOGIES (CONSOLE, LMT)			26
1710	100,101, 105,106, 110,600, 650	1 1 1 1	407450261		DISPLAY, VIDEO #3415-3401-8090 AT&T GIS			26
1711	100,101, 105,106, 110,600, 650	1 1 1 1	407168293		MONITOR, COLOR VIDEO #3415-3501-8090 SAMSUNG ELECTRIC CORP			26
1720	50,100, 530,700, 710,720, 725,730, 800,810, 820,825, 830	1 1 1 1 1 1 1	108219239		CABLE ASSEMBLY, INTERCONNECTING CSN0 COM1 TO SPLITTER 0 MP (10 FEET)			26
1730	50,100, 101,105, 530,700, 710,720, 725,730, 800,810, 820,825, 830	1 1 1 1 1 1 1 1	407877851		ASSEMBLY, WIRING #9031733-01 MUPAC G100 (CSN( ) COM2 TO LMT( ) PORT 2) G50, 105, 530, 700, 710, 720, 800, 810, 820 (CSN( ) COM2 TO RS232 SWITCH( ) TOP) (50 FEET) G101 (CSN( ) COM1 TO CNSL( ) PORT 1) (50 FEET)			26 34
1731	106	2	407877851		ASSEMBLY, WIRING #9031733-01 MUPAC (CSN( ) COM1 TO RS232 SW CNSL ( ) BOTTOM) (CSN( ) COM2 TO RS232 SW LMT ( ) TOP)			26 34
1735	105,106, 600,650	1 1	407896539		SWITCH, DATA, NON-PROGRAMMABLE #SWCX60341 BLACK BOX (RS232 SWITCH)			26 34
1738	105,106, 600,650	2 2	407609148		CABLE ASSEMBLY, SIGNAL #EDN12H-0005-FF BLACK BOX CONSOLE P1 TO RS232 SWITCH C BOTTOM LMT P2 TO RS232 SWITCH C TOP			26 34
1740	50,530, 700,710, 720,725, 730,800, 810,820, 825,830	1 1 1 1 1 1	847962941		CABLE ASSEMBLY, INTERCONNECTING SPLT/CNSL G37 (SPLITTER( ) P3 TO RS232 SW ( ) BOTTOM) (43 FEET)			26
1750	100	1	847962941		CABLE ASSEMBLY, INTERCONNECTING SPLT/CNSL G37 SPLITTER( ) P3 TO CONSOLE P1 (43 FEET)			26

STOCKLIST CONTINUED ON SHEET D4

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BT13

ADVANCED NETWORK SERVICES  
SPECIFICATION FOR  
ADVANTAGE COMPACT  
SERVICE NODE  
CABINET  
(ACSN)

DWG SIZE C2 ISSUE 6

LUCENT TECHNOLOGIES INC ED1S022-10

SHEET D3 OF 22

PRINTED IN U.S.A.

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1760	50,100, 530,700, 710,720, 725,730, 800,810, 820,825, 830	1 1 1 1 1 1 1	847962974		CABLE ASSEMBLY, INTERCONNECTING SPLT/MOD G35 G100, 105 SPLITTER ( ) P2 TO MODEM G600, 605 SPLITTER 0 P2 TO MODEM (43 FEET)			26
1770	100	1	403644867	MS-3	SPLITTER, MODEM 3 PORT BLACK BOX (SPLITTER ( ))			26
1772	50,530, 700,710, 720,725, 730,800, 810,820, 825,830	1 1 1 1 1 1	403644867	MS-3	SPLITTER, MODEM 3 PORT BLACK BOX (SPLITTER ( ))			26
1775	100	1	407327709		FASTENER, ADHESIVE BACKING #TL-100 THUMB LOCK FASTENING SOLUTIONS INC.			26
1777	105	5	407327709		FASTENER, ADHESIVE BACKING #TL-100 THUMB LOCK FASTENING SOLUTIONS INC.			26
1780	120 700 710 720 725 730 800 810 820 825 830	1 1 1 1 1 1 1 1 1 1 1	J1P158C-2,L1,L5		UNIT, ALARM RELAY			26
1800	120,700, 710,720, 725,730, 800,810, 820,825, 830	1 1 1 1 1 1	847797560		KIT, FINAL ASSEMBLY			26
1810	130	1	847962875		CABLE ASSEMBLY, INTERCONNECTING ARU/DF-SD G40 SIGNAL DISTRIBUTOR (450 FT)			26
1820	130	1	847962883		CABLE ASSEMBLY, INTERCONNECTING ARU/DF-SD G41 SCAN POINT (450 FT)			26
1830	140	1	848148045		CABLE ASSEMBLY, INTERCONNECTING ARU/DF-SD G40 SIGNAL DISTRIBUTOR (200 FT)			26
1840	140	1	848148060		CABLE ASSEMBLY, INTERCONNECTING ARU/DF-SP G41 SCAN POINT (200 FT)			26
1850	150	1	407633908		KIT, MONITOR SET #3530-4014-7182 SUN RIVER			19
1860	150	1	407450261		DISPLAY, VIDEO #3415-3401-8090 AT&T GIS			19
1861	150	1	407168293		MONITOR, COLOR VIDEO #3415-3501-8090 SAMSUNG ELECTRIC CORP			19
1870	160	1	407958297		KIT, MONITOR SET #R9B858815 HEWLETT PACKARD IP MANAGER WORKSTATION			26
1900	200,600, 650	1 1	407877794		ASSEMBLY, WIRING #9031732-01 MUPAC CSN0=POWER			26
1910	200,600, 650	1 1	407877885		ASSEMBLY, WIRING #9031591-03 MUPAC CSN0 ALARM IN TO MFFU ALARM CARD			26

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1920	210,220, 230,240, 700,710, 720,725, 730,800, 810,820, 825,830	1 1 1 1 1 1 1	407877893		ASSEMBLY, WIRING #9031592-03 MUPAC ALARM MULT CSN( ) ALARM IN TO CSN( ) ALARM IN			26
1930	210,600, 650	1 1	407877802		ASSEMBLY, WIRING #9031732-02 MUPAC CSN1-POWER			26
1960	220,600, 650	1 1	407877810		ASSEMBLY, WIRING #9031732-03 MUPAC CSN2-POWER			26
1990	230,600, 650	1 1	407877828		ASSEMBLY, WIRING #9031732-04 MUPAC CSN3-POWER			26
2020	240,600, 650	1 1	407877836		ASSEMBLY, WIRING #9031732-05 MUPAC CSN4-POWER			26
2080	260,700, 710,720, 725,730, 800,810, 820,825, 830	1 1 1 1 1 1	407804228		PACKAGE #990004292 DTI 6GB IDE DISK DRIVE (R8) (G260 CSN0 - 5)			25
2090	280,700, 710,800, 810	1 1 1	407867340		CABLE ASSEMBLY, COMPUTER #9031717-01 MUPAC SCSA TYPE - MOD 3			26 36
2095	720,820	1	407918051		ASSEMBLY, WIRING #9031765-01 MUPAC SCSA TYPE - MOD 4			26 36
2097	730,830	1	408045318		ASSEMBLY, WIRING #9031885-01 MUPAC SCSA TYPE - MOD 6			26
2099	725,825	1	408045300		ASSEMBLY, WIRING #9031886-01 MUPAC SCSA TYPE - MOD 7			26
2100	300,700, 710,725, 800,810	1 1 1	407872878		PACK,CIRCUIT #87-8042-12N SS7 INTERFACE - PCI CLEI = E5PQAW7A ADAX KIT SS7 POS. P2			26
2101	300,700, 710,725, 800,810	1 1 1	472317403	KS22002L53	BAR CODE LABEL, FACEPLATE CLEI = E5PQAW7AAA			26
2120	300,700, 710,725, 800,810	1 1 1	407874239		ASSEMBLY, WIRING #80-2500 ADAX KIT SS7 (Y-CABLE TO DSU- 10FT) KIT CGT			26

STOCKLIST CONTINUED ON SHEET D5

\*\*\*\*\* STOCKLIST CONTINUED AT RIGHT \*\*\*\*\*

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BT13	
ADVANCED NETWORK SERVICES SPECIFICATION FOR ADVANTAGE COMPACT SERVICE NODE CABINET (ACSN)	
DWG SIZE C2	ISSUE 6
LUCENT TECHNOLOGIES INC	ED1S022-10
SHEET OF	D4 22

STOCKLIST									
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE		
							SYM	NBR	
2150	320,700, 710,720, 725,730, 800,810, 820,825, 830	1	407747286		PACKAGE, 10/100 ENEY CONTROLLER #960007200 CLEI = ESPQAVTA DTI POS. P1 CSN0 - 4 KIT CGT (ETHERNET, 4-PORT, PCI)			26	
2155	320,700, 710,720, 725,730, 800,810, 820,825, 830	1	472271048	KS22002L53	BAR CODE LABEL, FACEPLATE CLEI = ESPQAVTA			26	
2160	320,700, 710,720, 725,730, 800,810, 820,825, 830	1	407877869		ASSEMBLY, WIRING #9031734-01 MUPAC ETHERNET CABLE, CSN( 0-4) SLOT P1 PORT 0 TO HUB			26	
2300	340,700, 710,720, 725,730, 800,810, 820,825, 830	1	407538222		PACK,CIRCUIT, SCSI ADAPTER #PM2124 CLEI = ESPQASFA DPT KIT SC0, SCN(0 - 4) POS. P0			25	
2301	340,700, 710,720, 725,730, 800,810, 820,825, 830	1	472182278	L53	BAR CODE LABEL #KS22002L53 FACEPLATE CLEI = ESPQASFAAA KIT SC0			25	
2310	340,700, 710,720, 725,730, 800,810, 820,825, 830	1	407213362		TERMINATOR, ACTIVE SCSI #869576-1 AMP INC. KIT SC0, CSN0 POS. P0 - CONN P10			25	
2320	350,730, 830	1	408035913		PACK,CIRCUIT #96032 E1 INTERFACE-PCI CLEI = E5ISG0BA ADAX POS. P2 (IS7)			26	
2321	350,730, 830	1	472385129	KS22002L53	BAR CODE LABEL CLEI = E5ISG0BAAA			26	
2325	452	1	408052702		CABLE #RG59 BNC,450FT BLACK BOX IS7 OR VE1 TO DSX TRANSMIT OR RECEIVE			26	
2327	454	1	408052710		CABLE #RG59 BNC,200FT BLACK BOX IS7 OR VE1 TO DSX TRANSMIT OR RECEIVE			26	
2330	360,700, 710,720, 725,730, 800,810, 820,825, 830	2	407882604		PACKAGE #990004293 SCSI DISK DRIVE DTI 9GB SCSI DISK DRIVE CSN(0 - 4)			25	
2340	380,700, 710,720, 725,730, 800,810, 820,825, 830	1	407872860		PACK,CIRCUIT #77000415 RS232 INTERFACE - PCI CLEI = ESPQAW9A DIGI RS232 (4 PORTS), KIT ASN POS. P3			26	
2341	380,700, 710,720, 725,730, 800,810, 820,825, 830	1	472317452	KS22002L53	BAR CODE LABEL, FACEPLATE CLEI = ESPQAW9AAA			26	
2345	380,700, 710,720, 725,730, 800,810, 820,825, 830	1	407872910		ADAPTER, CONVERTER #76000038 DIGI POS. P3 REAR			26	

\*\*\*\*\* STOCKLIST CONTINUED AT RIGHT \*\*\*\*\*

STOCKLIST									
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE		
							SYM	NBR	
2350	380,700, 710,720, 725,730, 800,810, 820,825, 830	1	108203522	#CSNRS232TOA	CABLE ASSEMBLY, FORMED RU RS232 TO ARU (10 FEET)			26	
2360	400	1	407872886		PACK,CIRCUIT #87-8040-12N X.25 INTERFACE - PCI CLEI = ESPQAW6A ADAX KIT X.25 POS. P3			26	
2361	400	1	472317387	KS22002L53	BAR CODE LABEL, FACEPLATE CLEI = ESPQAW6AAA			26	
2365	400	1	407874239		ASSEMBLY, WIRING #80-2500 ADAX KIT X.25 (Y-CABLE TO DSU) (10 FEET)			26	
2370	400	1	407789601		BRACKET, CORD RTNR, SCSI BUS #690UZ046-01-50 MUPAC KIT X.25			26	
2460	420,700, 710,800, 810	4	407815307		PACK,CIRCUIT, BRI ISDN #251A071 AMTELCO KIT ABR SEE TABLE BD			27	
2461	420,700, 710,800, 810	4	472297811	KS22002L53	BAR CODE LABEL			30	
2465	440	1	407652171		PACK,CIRCUIT, SCT1 #99-0392-009 CLEI = E5PQAT4A DIALOGIC KIT VT1 SEE TABLE BD			26	
2466	440	1	472239102	KS22002L53	BAR CODE LABEL, FACEPLATE CLEI = E5PQAT4AAA			26 31	
2470	725,825	14	407652171		PACK,CIRCUIT, SCT1 #99-0392-009 CLEI = E5PQAT4A DIALOGIC KIT VT1 SEE TABLE BD			26	
2471	725,825	14	472239102	KS22002L53	BAR CODE LABEL, FACEPLATE CLEI = E5PQAT4AAA			26 31	
2480	700,710, 800,810	5	407652171		PACK,CIRCUIT, SCT1 #99-0392-009 CLEI = E5PQAT4A DIALOGIC KIT VT1 SEE TABLE BD			26	
2481	700,710, 800,810	5	472239102	KS22002L53	BAR CODE LABEL, FACEPLATE CLEI = E5PQAT4AAA			26 31	
2482	720,820	7	407652171		PACK,CIRCUIT, SCT1 #99-0392-009 CLEI = E5PQAT4A DIALOGIC			26	
2483	720,820	7	472239102	KS22002L53	BAR CODE LABEL, FACEPLATE CLEI = E5PQAT4AAA			26 31	

STOCKLIST CONTINUED ON SHEET D6

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BT13

ADVANCED NETWORK SERVICES  
SPECIFICATION FOR  
ADVANTAGE COMPACT  
SERVICE NODE  
CABINET  
(ACSN)

DWG SIZE  
C2

ISSUE  
6

ED1S022-10

LUCENT TECHNOLOGIES INC ED1S022-10

SHEET  
OF  
D5  
22

PRINTED IN U.S.A.

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
2485	445	1	847962990	947962990	CABLE ASSEMBLY, INTERCONNECTING TS/DSX-VT1 G87 450 FEET			26
2487	446	1	848148094		CABLE ASSEMBLY, INTERCONNECTING VT1 TO DSX 200 FEET			26
2490	450	1	408035939		PACK,CIRCUIT #D/300SC-E1 #99-0937-015 VOICE PROCESSING AND E1-ISA CLEI = E5ISJ0BA DIALOGIC SEE TABLE BD (VE1) ISDN PRI			26
2491	450	1	472385152	KS22002L53	BAR CODE LABEL CLEI = E5ISJ0BAAA			26 31
2495	730,830	11	408035939		PACK,CIRCUIT #D/300SC-E1 #99-0937-015 VOICE PROCESSING AND E1-ISA CLEI = E5ISJ0BA DIALOGIC SEE TABLE BD (VE1) ISDN PRI			26
2496	730,830	11	472385152	KS22002L53	BAR CODE LABEL CLEI = E5ISJ0BAAA			26 31
2500	460,730, 830	1 1	107859647	BYC51	PACK,CIRCUIT, TRILLIM SPEECH PROCESSOR FE CLEI=E4PQANSA FE CLEI=E4PQAMKA FE CLEI=E4PQAL4A CLEI = E4PQAN6A KIT BYC51 SEE TABLE BD			26
2510	700,710, 800,810	2 2	107859647	BYC51	PACK,CIRCUIT, TRILLIM SPEECH PROCESSOR FE CLEI=E4PQANSA FE CLEI=E4PQAMKA FE CLEI=E4PQAL4A CLEI = E4PQAN6A SEE TABLE BD			26
2515	720,820	3	107859647	BYC51	PACK,CIRCUIT, TRILLIM SPEECH PROCESSOR FE CLEI=E4PQANSA FE CLEI=E4PQAMKA FE CLEI=E4PQAL4A CLEI = E4PQAN6A SEE TABLE BD			26
2520	480,700, 710,720, 730,800, 810,820, 830	1 1 1 1 1	107972747	AYC53	PACK,CIRCUIT, ECHO CANCELER BOARD CLEI = E4PQAMJA KIT AYC53 SEE TABLE BD			26
2530	490,540	1	108203514	#CSNRS232DCE	CABLE ASSEMBLY, FORMED RS232 TO DCE DEVICE (50 FEET) G490 ONLY - SEE NOTE 35			26
2535	700,710, 720,800, 810,820	3 3 3	108203514	#CSNRS232DCE	CABLE ASSEMBLY, FORMED			26 35
2540	500	2	407877877		ASSEMBLY, WIRING #9031735-01 MUPAC (Y-CABLE TO DSU) (50 FEET) EXTENDER CABLE			26
2550	510	1	108178989	#ABRITONT1,30	CABLE ASSEMBLY, INTERFACE ABRI TO NT1 ("U" INTERFACE) (30 FEET)			26
2560	520	1	108119983	#INTCONNG820AS	CABLE ASSEMBLY, INTERCONNECTING ABRI TO DSX ("T" INTERFACE) (450 FEET)			26
2570	525	1	108243288	824AS	CABLE ASSEMBLY, INTERCONNECTING ABRI TO DSX ("T" INTERFACE) (200 FEET)			26
2600	50,530, 700,710, 720,725, 730,800, 810,820, 825,830, AA	1 1 1 1 1 1	407463702		FILTER, AIR #020002245 CARTRIDGE DTI			25
2610	50,530, 700,710, 720,725, 730,800, 810,820, 825,830, AA	1 1 1 1 1 1	407888023		FILTER, MECHANICAL, AIR #20002244 DTI			25

BA

BASE HARDWARE COMPONENTS REQUIRED FOR AN ADVANTAGE COMPACT SERVICE NODE CABINET. TO SUPPORT COMPACT SERVICE NODE APPLICATIONS. MAXIMUM FIVE COMPACT SERVICE NODES PER CABINET. (CSN0 THROUGH CSN4)

COMPONENT	GROUP	QTY PER CSN0	QTY PER CSN1
CABINET & STANDARD EQUIPMENT.	1	1	1
ETHERNET HUB	10	1	0
CABINET HARDWARE KIT.	20	1	1

BB

ALWAYS REQUIRED HARDWARE FOR ONE C-SN/IP UNIT

FIXED CONFIGURATION GROUP NO.	ACSNO ACSN1	600 650				
		0 OR 10	1 OR 11	2 OR 12	3 OR 13	4 OR 14
C-SN/IP	----->	10	11	12	13	14
EQUIPMENT EQL	----->	11	20	29	38	47
COMPONENT	GROUP	QTY	QTY	QTY	QTY	QTY
COMPACT SERVICE NODE UNIT	50	1	1	1	1	1
CPU, 200MHZ, P6	70A	1	1	1	1	1
SIMM MODULE, 128MHZ	80	4	4	4	4	4
CABLE KIT CSN0	200	1	-	-	-	-
CABLE KIT CSN1	210	-	1	-	-	-
CABLE KIT CSN2	220	-	-	1	-	-
CABLE KIT CSN3	230	-	-	-	1	-
CABLE KIT CSN4	240	-	-	-	-	1
6GB IDE DISK DRIVE	260	1	1	1	1	1
10/100MB 4-PORT ETHERNET CP (PCI)	320	1	1	1	1	1
SCSI HOST ADAPTER CP APT (SC0)	340	1	1	1	1	1
9GB SCSI DISK DRIVE	360	1	1	1	1	1
ECHO CANCELLER (EC)	480	1	1	1	1	1
ALARM RELAY UNIT	120	1	1	1	1	1

\*\*\*\*\* END OF STOCKLIST \*\*\*\*\*

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OPTIONAL HARDWARE FOR ONE C-SN/IP UNIT						
C-SN/IP UNIT CONFIGURATION ----->	GROUP	ACSN( ) CABINET				
		1	2	10	15	20
COMPONENT	QTY	QTY	QTY	QTY	QTY	QTY
SCSA BUS CABLE (SEE TABLE BD)		1	1	1	1	1
SS7 INTERFACE (PCI) (PSS7)	300	0	1	1	1	0
ISUP SS7 INTERFACE (PCI) (IS7)	350	0	0	0	0	1
FOUR RS232 LINKS (PCI) (ASN)	380	1	0	1	1	1
DUAL X.25 INTERFACE LINK (PCI) (PX25)	400	1	1	0	0	0
A-BASIC RATE INTERFACE (ABR)	420	4	4	0	0	0
VOICE & T1 INTERFACE (VT1)	440	5	5	7	14	0
VOICE & E1 INTERFACE (VE1)	450	0	0	0	0	11
ASR VIOCE CONNECTED DIGIT AND SUBWORD (A51)	460	2	2	3	0	1
ADDITIONAL UNIX TERMINAL	150	AR	AR	AR	AR	AR
PERIPHERAL EQUIP. W REMOTE MONITORING (1 PER CSN) (DISCONTINUED AVAILABILITY)	100	AR	AR	AR	AR	AR
PERIPHERAL EQUIP. W/O REMOTE MONITORING (1 PER CSN) (DISCONTINUED AVAILABILITY)	101	AR	AR	AR	AR	AR
PERIPHERAL EQUIP. W REMOTE MONITORING (1 PER CABINET)	105	AR	AR	AR	AR	AR
PERIPHERAL EQUIP. W/O REMOTE MONITORING (1 PER CABINET) (DISCONTINUED AVAILABILITY)	106	AR	AR	AR	AR	AR
REMOTE TERMINAL	110	AR	AR	AR	AR	AR

BD

ADVANTAGE COMPACT SERVICE NODE CONFIGURATION OPTIONS (SEE NOTE 36)																			
VALID C-SN/IP CONFIG NO	C-SN/IP PCI SLOT NUMBER				C-SN/IP ISA/EISA SLOT NUMBERS										SCSA CABLE TYPE				
	3	2	1	0	1	2	3	4	5	6	7	8	9	10		11	12	13	14
1	ASN	PSS7	CGT	SCO	VT1	VT1	VT1	VT1	VT1	ABR	ABR	ABR	ABR	EC		A51		A51	MOD 3
2	ASN	PSS7	CGT	SCO	ABR	ABR	ABR	ABR	VT1	VT1	VT1	VT1	VT1	EC		A51		A51	MOD 3
3																			
4																			
5	RESERVED FOR FUTURE CONFIGURATION OFFER/OPTIONS																		
6																			
7																			
8																			
9																			
10	ASN		CGT	SCO	VT1	VT1	VT1	VT1	VT1	VT1	EC		A51		A51		A51	MOD 4	
11																			
12																			
13																			
14																			
15	ASN	PSS7	CGT	SCO	VT1	VT1	VT1	VT1	VT1	VT1	VT1	VT1	VT1	VT1	VT1	VT1	VT1	VT1	MOD 7
16																			
17																			
18																			
19																			
20	ASN	IS7	CGT	SCO	A51		EC	VE1	VE1	VE1	VE1	MOD 6							

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ADVANTAGE COMPACT SERVICE NODE - CIRCUIT PACK DESIGNATION			
CODE	FUNCTION	GROUP	COMMENTS
A51	ASR/VOICE, CONNECTED DIGIT	460	12 PORTS - BYC51, LUCENT
	ASR/VOICE, SUBWORD		
	TONE GENERATION & COLLECTION		
ABR	A-BASIC RATE INTERFACE	420	BRI ISDN, AMTELCO
CGT	10/100MBIT ETHERNET LAN (PCI)	320	SUPPLIED BY ADAPTEC, 4-PORTS
ASN	4 RS232 LINKS (PCI)	380	SUPPLIED BY DIGI
EC	ECHO CANCELLOR	480	64 PORTS, ALWAYS REQ'D WHEN AYC51 IS DOING ASR AYC53, LUCENT
SC0	SCSI HOST ADAPTER	340	SUPPLIED BY DPT
PSS7	#7 SIGNALING SYSTEM-SS7	300	SUPPLIED BY ADAX, DUAL LINKS
VT1	VOICE AND T1 INTERFACE COMBINED	440	24 VOICE AND 24 T1 PORTS, DIALOGIC
PX25	X.25 PROTOCOL (PCI)	400	SUPPLIED BY ADAX, DUAL LINKS
IS7	ISUP SS7 CARD	350	SUPPLIED BY ADAX
VE1	VOICE AND E1 INTERFACE COMBINED	450	24 VOICE AND 24 E1 PORTS, DIALOGIC

RS

LIST OF RECOMMENDED SPARES ( SEE NOTE 65)				
UNIT	ITEM	COMCODE	SCN QTY	REMARKS
COMPACT SERVICE NODE	CPU CKT PACK, 200MHZ	407918069	1	
	LABEL, CLEI FOR 407918069	472341460	1	
	SIMM MODULE, 128MB	407731827	1	
	ETHERNET CKT PACK, 10/100MB	407747286	1	
	LABEL, CLEI FOR 407747286	472271048	1	
	6GB IDE DISK DRIVE	407804228	1	
	8GB SCSI DAT TAPE DRIVE	407824143	1	
	9GB SCSI DISK DRIVE	407882604	1	
	3.5" FLOPPY DISK DRIVE	407470525	1	
	POWER MODULE 725W CURR-MON	407703990	1	
	FAN POWER SUPPLY, REAR	407463736	1	
	FAN, FRONT	407463728	1	
	ATTUNE-BRD BYC51	107859647	1	
	ATTUNE-BRD AYC53	107972747	1	
	SS7 INTERFACE (PCI)	407872878	1	
	LABEL, CLEI FOR 407872878	472317403	1	
	ISUP SS7 INTERFACE	408035913	1	
	LABEL, CLEI FOR 408035913	472385129	1	
	SCSI HOST ADAPTER (PCI)	407538222	1	

\*\*\* CONTINUED \*\*\*

\*\* CONTINUED \*\*

RS

LIST OF RECOMMENDED SPARES ( SEE NOTE 65)				
UNIT	ITEM	COMCODE	SCN QTY	REMARKS
	LABEL, CLEI FOR 407538222	472182278	1	
	RS232 INTERFACE (PCI)	407872860	1	
	LABEL, CLEI FOR 407872860	472317452	1	
	X.25 INTERFACE (PCI)	407872886	1	
	LABEL, CLEI FOR 407872886	472317387	1	
	A-BASIC RATE INTERFACE	407815307	1	
	LABEL, CLEI FOR 407815307	472297811	1	
	VOICE T1 INTERFACE	407652171	1	
	LABEL, CLEI FOR 407652171	472239102	1	
	VOICE E1 INTERFACE	408035939	1	
	LABEL, CLEI FOR 408035939	472385152	1	
	SENSOR, 1024M-12 12VDC	407973932	1	
	SENSOR, 1024M-5 5VDC	407967587	1	
ACSN CABINET	ALARM RELAY UNIT J1P158C-2	LIST 1	1	
	ARU POWER SUPPLY J1P158C-2	LIST 5	1	
	MODEM SPLITTER	403644867	1	
	ETHERNET HUB	407869759	1	
	SWITCH, DATA, CONSOLE/LMT	407896539	1	

FR

LIST OF ORDER CODES FOR FIELD REPLACEBLE ITEMS.			
UNIT	ITEM	COMCODE	REMARKS
HUB	ETHERNET CABLE	407606920	PART OF HUB CABLE-KIT
	FUSE, 3A	406693895	PART OF HUB FAS-KIT; SEE NOTE 33
COMPACT SERVICE NODE	FUSE, 15A	406599357	SEE NOTE 33
	Y-CABLE, X.25/SS7	407874239	10FT
	FUSE 25A	407132257	PDU
	RS232 CABLE TO ARU	847962917	10 FT
	RS232 CABLE TO DCE DEVICE	108203522	50 FT

TABLE JJ

TABLE JJ STOCKLIST ORDERING COMCODES TO INDIVIDUAL/SINGULAR COMCODES CROSS REFERENCE		
STOCKLIST ORDERING COMCODE	INDIVIDUAL/SINGULAR COMCODE	COMMENTS
406663971	406747501	WP91768,L104 .50 AMP - FAST ACTING FUSE
406599308	406747519	WP92458,L2 1.25 AMP - VERY FAST ACTING FUSE
406708545	406747527	WP91768,L107 2 AMP - FAST ACTING FUSE
406693895	406747535	WP91768,L108 3 AMP - FAST ACTING FUSE
406693887	406747543	WP91768,L110 5 AMP - FAST ACTING FUSE
406693903	406747550	WP91768,L112 7 AMP - FAST ACTING FUSE
406599324	406747568	WP92458,L11 10 AMP - VERY FAST ACTING FUSE
406599332	406747576	WP92458,L12 12 AMP - VERY FAST ACTING FUSE
406599357	406808469	WP92458,L13 15 AMP - VERY FAST ACTING FUSE
406759050	406808477	WP92458,L14 20 AMP - VERY FAST ACTING FUSE
407132257		WP92955,L8 25 AMP - NORMAL ACTING FUSE

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