



ENGINEERING NOTES

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0 0 3
1 0 3
0 2 0
1 2 0
0 2 1
1 2 1
0 2 2
1 2 2
0 2 3
1 2 3
1 3 0
2 0 0 (NOTE: IOP 2 IS REQUIRED IF THIS SLOT IS REACHED)
2 0 1
2 0 2
2 0 3
2 1 0
2 1 1
2 1 2
2 1 3
2 2 0
2 2 1
2 2 2
2 2 3
2 3 0
2 3 1
2 3 2
2 3 3
    
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- K) SPU 4 AND 5 ARE USED FOR MHD'S GROWTH ONLY. THEREFORE SLOTS 031, 032, 131 AND 132 ARE NOT INCLUDED IN NOTE J.
  - L) THE FOUR LOWEST TTY'S (BASED ON UNIT NUMBER) MUST BE ASSIGNED IN NUMERIC ORDER TO A TTY CONTROLLER. THE NEXT FOUR LOWEST TTY'S MUST BE ASSIGNED SIMILARLY TO THE NEXT CONTROLLER AND SO ON. ONCE THE TTY'S ARE ASSIGNED, THE FOUR LOWEST SDL'S (BASED ON UNIT NUMBER) MUST BE ASSIGNED IN NUMERIC ORDER TO AN SDL CONTROLLER. THE NEXT FOUR LOWEST SDL'S MUST BE ASSIGNED TO THE NEXT CONTROLLER AND SO ON. SEE NOTE F FOR ORDER OF TTY CONTROLLER NUMBERS AND NOTE G FOR ORDER OF SDL CONTROLLER NUMBERS.
  - M) WHEN TTY'S ARE ASSIGNED TO A CONTROLLER THEY MUST BE ASSIGNED IN NUMERICAL ORDER TO PORTS 0, 1, 2, AND 3. NO SKIPPING OF PORTS IS ALLOWED.
  - N) WHEN SDL'S ARE ASSIGNED TO A CONTROLLER THEY MUST BE ASSIGNED IN NUMERICAL ORDER TO PORTS 0, 1, 2, AND 3. NO SKIPPING OF PORTS IS ALLOWED.
  - O) "AUX PRINTERS" OFF STLWS OR RCV TTY REQUIRE THEIR OWN PORT ON A CONTROLLER PACK. ADD ANOTHER TTY CONTROLLER TO THE TOTAL TTY CONTROLLERS ORDERED IF THE FOLLOWING CALCULATION RESULTS IN A REMAINDER:  
(NUMBER OF TTY'S + NUMBER OF "AUX PRINTERS") DIVIDED BY FOUR
68. THE CONVERSION OFFICE SHOULD BE SURVEYED FOR THE QUANTITY AND NAME (TTY OR SDL NUMBER, EG. TTY8, SDL13) OF THE EXISTING TTY'S (STLWS, RCV, TRAFFIC CHANNEL PRINTER, COT PRINTER, ETC.), TTY'S THAT ARE EQUIPPED WITH AUXILIARY PRINTERS (STLWS OR RCV EQUIPPED WITH A PRINTER CONNECTED TO THE MIRROR PORT OF THE TTYC), AND SDL'S. 3B21D EQUIPMENT SHOULD BE ORDERED TO MATCH THIS CONFIGURATION.
69. NEW IOP-PC CABLES ARE REQUIRED FOR EACH TTY DATA LINK. (NEW IOP-PC ENHANCED CABLES ARE NOT INTERCHANGEABLE WITH OLD CABLES).
70. 3B21D CONVERSIONS FOR OFFICES ON 5E10 OR LATER, MUST BE ORDERED WITH ENHANCED IOP/DFC CIRCUIT PACKS PER THIS "ED" DRAWING.
71. --RESERVED--

SEE PROPRIETARY NOTICE ON SHEET ONE

BT13

5ESS SWITCHING EQUIPMENT  
3B20D TO 3B21D PROCESSOR  
CONVERSION GUIDE

DWG SIZE C2	ISSUE 7
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LUCENT TECHNOLOGIES INC ED5D819-30

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TABLE M

NEW IOP-PC CONVERSION CROSS REFERENCE FOR PC REPLACEMENT PACKS/CABLES						
PACK	5E CABLE	PACK	3B21 CABLE	INTERFACE TYPE	GENDR	EQL
TN75	ED5D517-30,G1,G5	UN582	ED3T076-20,G50	SUPPORTS 201C/212AR SYNC RS 232C	MALE 25 PIN DB CON	132 332 500 532
TN83B TN983	ED5D517-30,G2	UN583	ED3T076-20,G51	SUPPORTS 201C SCC SYNC RS 232C	MALE 25 PIN DB CON	500
TN74B	ED5D517-30,G3,G15	UN582	ED3T076-20,G52	SUPPORTS 202 T	MALE 25 PIN DB CON	132 332 532 500
			,G52A			
TN74B	ED5D517-30,G3A,G15A	UN582	ED3T076-20,G53	SUPPORTS GANDALF 3309 DS ASYNC RS232	MALE 25 PIN DB CON	132 332 532 500
			,G53A			
TN74B	ED5D517-30,G12	UN582	ED3T076-20,G54	SUPPORTS 212 AR DS ASYNC RS 232C	MALE 25 PIN DB CON	132 332 532 500
TN74B	ED5D517-30,G22	UN582	ED3T076-20,G55	SUPPORTS AT&T STU-II SECURE MOD.1900 DS ASYNC RS 232C	MALE 25 PIN DB CON	132 332 532 500
TN74B	ED5D502-30,G10,G11,G13,G14,G15,G16	UN582	ED3T076-20,G56	ROP (5310/20) VT100 COLOR VT/444/572ROP ROP VT100 VT/ROP	FEMALE FEMALE MALE FEMALE FEMALE MALE	ALL 132 332 532 500
TN82	ED5D517-30,G16	UN582	ED3T076-20,G62	SUPPORTS 2556 B DS V.35	MALE 34 PIN	145T 132B 345T 332B 545T 532B 513T 500B
NEW		UN582	ED3T076-20,G64	SUPPORTS V.36	MALE 37 PIN CONN.	145T 132B 345T 332B 545T 532B 513T 500B
TN74C	ED5D517-30,G4	UN582	ED3T076-20,G61	SUPPORTS RS449 2024A/2048A/2096 DS	MALE 37 PIN CONN.	145T 132B 345T 332B 545T 532B 513T 500B
		UN582	ED3T076-20,G60	SUPPORTS NULL MOD. RS 232C	MALE 25 PIN CONN.	132 332 532 500
		UN582	ED3T076-20,G59	SUPPORTS FLOW CNTL. RS 232C	MALE 25 PIN CONN.	132 332 532

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TABLE M

500
NOTE: THE EQL'S MUST BE RESTAMPED.
NOTE: FOR CABLE LENGTH LIMITATIONS REFERENCE ED3T076-20, ED5D517-30, ED5D502-30.

TABLE N

CNI 3B21D DSCH CABLES (ED-3F004-31 CABLES GROUPS)												
CNI EQUIPMENT		CNI RING NODE CABINET			3B21D		CNI RING NODE CABINET			3B21D		
		J3F011C-1 (CLASSIC)			CSPC CABINET		J3F011-C-2 (5ESS-2000)			CSPC CABINET		
SHELF TYPE	NODE	DESIG.	GROUP	EQL	CU	EQL	DESIG.	GROUP	EQL	CU	EQL	
J3F011AA-1 (SSI)	RPCN00 0	HQ10	15N	019-086-100	0	028-075-145	HQ10	15N	010-086-100	0	028-075-145	
		HQ12	15R	019-086-300	1	053-075-145	HQ12	15R	010-086-300	1	053-075-145	
		HQ3	15F	045-086-100	0	028-075-113	HQ3	15F	045-086-100	0	028-075-113	
	RPCN32 0	HQ9	15H	045-086-300	1	053-075-113	HQ9	15H	045-086-300	1	053-075-113	
		HQ2	15E	028-086-100	0	028-075-106	HQ2	15E	019-086-100	0	028-075-106	
	DLNOO 2	HQ8	15G	028-086-300	1	053-075-106	HQ8	15G	019-086-300	1	053-075-106	
		HQ11	15P	053-086-100	0	028-075-138	HQ11	15P	053-086-100	0	028-075-138	
	DLN32 2	HQ13	15S	053-086-300	1	053-075-138	HQ13	15S	053-086-300	1	053-075-138	
		HQ10	15N	019-050-100	0	028-075-145	HQ10	15N	010-050-100	0	028-075-145	
	J3F011GD-1 (IRN2)	RPCN00 0	HQ12	15R	019-050-300	1	053-075-145	HQ12	15R	010-050-300	1	053-075-145
			HQ3	15F	045-050-100	0	028-075-113	HQ3	15F	045-050-100	0	028-075-113
		RPCN32 0	HQ9	15H	045-050-300	1	053-075-113	HQ9	15H	045-050-300	1	053-075-113
HQ2			15E	019-118-100	0	028-075-106	HQ2	15E	010-118-100	0	028-075-106	
DLN00 2		HQ8	15G	019-118-300	1	053-075-106	HQ8	15G	010-118-300	1	053-075-106	
		HQ11	15P	045-118-100	0	028-075-138	HQ11	15P	045-118-100	0	028-075-138	
DLN32 2	HQ13	15S	045-118-300	1	053-075-138	HQ13	15S	045-118-300	1	053-075-138		

S  
H  
O  
P

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 15. THE ITE6992 DISK UNIT PACKAGE (DUP) IS A REQUIRED TOOL FOR THE CONVERSION PROCEDURE, USED BY LUCENT INSTALLATION ONLY. NOTE: THE IEH555A SECTION 282 WILL BE REPLACED SOME TIME IN JUNE OF 1997 WITH SIG-C-WU-100 SECTION 9102.
- X 16. A POWER CABLE WILL BE REQUIRED IF THE DUP SLOT (019-134) IS NOT EQUIPPED. ORDER THE APPROPRIATE CABLE FOR THE DUP SLOT BEING EQUIPPED (019 - 134).
- X 17. THE CNI END OF THE DSCH CABLING BETWEEN THE 3B21D AND CNI MAY REQUIRE DIFFERENT EQL STAMPING DEPENDING ON THE OFFICES CNI TYPE (C-1 OR C-2).
- X 18. THE CNI FAN/FUSE SCSD CABLING WILL REQUIRED EQL CHANGES IF THE CNI IS A J3F011C-1. THESE CHANGES ARE SHOWN IN ENGINEERING NOTE 54.
- X 19. ALL OTHER CABLING WILL BE STANDARD BETWEEN THE 3B21D AND ITS ASSOCIATED HARDWARE (CM2, TTY'S, SCCS, ETC.).
- X 20. NEW IOP CABLES ARE REQUIRED FOR EACH TTY AND OSS DATA LINK THAT IS EQUIPPED.

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