

ENGINEERING NOTES

***** CONTINUED *****

- 61. RESERVED.
- 64. EACH PAIR OF 300 MBYTE DISKS AFTER THE FIRST PAIR ADDS 250 MBYTES OF AMA SPACE OR 5.4 MILLION BILLED CALLS. EACH PAIR OF 340 MBYTE DISKS AFTER THE FIRST PAIR ADDS 275 MBYTES OF AMA SPACE OR 6.0 MILLION BILLED CALLS.
- 65. THE PBX RTU PROVIDES THE CUSTOMER PREMISES RTU FOR PBX APPLICATION ONLY. IT INCLUDES THE BASIC RTU L-MZE() OPERATING SYSTEM AND L-MZF() BASE APPLICATION. IT IS NOT NECESSARY TO ORDER L-MZE() AND L-MZF() IN ADDITION TO L-MZG() AND MZH() FOR PBX APPLICATIONS.
- 67. THE DCIS6 FEATURE PROVIDES DIRECT SIGNALING TO A NCP DATA BASE FOR TOLL OFFICES. ORIGINATING SCREENING OFFICE (OSO) INWATS AND NETWORK CALL DENIAL (NCD) REQUIRE DCIS6, CCIS6, CCIS6/OR CCS7. THE NCP DATA BASE IS REQUIRED FOR THESE FEATURES.
- 68. SEE J5D052AA-2 FOR BRCS FEATURES ORDERING INFORMATION.
- 69. THE COMMON CHANNEL SIGNALING SYSTEM 6 AND SYSTEM 7 FEATURE PACKAGE CONSISTS OF THE FOLLOWING FEATURES:
DRAWING/LIST FEATURE
J5D052EZ-1,L-MDF() CCS6 (ECIS6/CCI56)
J5D052EZ-1,L-MDG() CCS7
- 70. THE DSN-MFS FEATURE PACKAGE PROVIDES THE CAPABILITY TO PERFORM BOTH THE FUNCTIONS OF AN AUTOVON II END OFFICE AND THE FUNCTIONS OF THE AUTOVON TANDEM CLASS 4/5 OFFICE. IT REQUIRES THE BRCS I, II, III, IV AND BRCS CUSTOMIZATION PACKAGES, PER DRAWING J5D052AA-2, AND CONSISTS OF:
LIST FEATURE
MHC() AUTOVON II
MHD() AUTOVON TANDEM
- 71. THE AUTOVON II FEATURE PROVIDES PRECEDENCE AND PRE-EMPTION CAPABILITY FOR CALLS WITHIN THE AUTOVON INTERFACE SWITCH, AS WELL AS FOR CALLS THAT INTERFACE WITH THE AUTOVON NETWORK (CLASS 5) SWITCH. THIS FEATURE REQUIRES THE BRCS I, II, III, IV AND BRCS CUSTOMIZATION PACKAGES, PER DRAWING J5D052AA-2.
- 72. FOR ORDERING PURPOSES, ALL FEATURE RTU LISTS REFERENCED TO THIS NOTE MUST ALWAYS BE SUFFIXED WITH AN APPLICATION CODE LETTER 'R'; E.G., 'MAXR'. FOLLOWING IS A DESCRIPTION OF THE APPLICATION CODE LETTER:
R - INITIAL ORDER OR SM GROWTH
FOR INITIAL ORDERS ('R' SUFFIX), RTU FEES MUST BE SHIPPED AT HARDWARE MAIN SHIP DATE (MSD). (I.E., 3B21 DUPLEX COMPUTER FOR NEW OFFICES).
- 73. OFFICES USING KEYSTONE III TAPE DRIVES USE 6250 BPI TAPES.
- 74. THE BASIC RATE INTERFACE (BRI) DATA SERVICES PACKAGE (L-MIM) CONSISTS OF THE FOLLOWING FEATURES:
FEATURE
IMPROVED BRI PACKET SWITCHING
SIMULTANEOUS PACKET SWITCHING ON BOTH B CHANNELS OF A BRI
- 75. RESERVED.
- 78. THE LASS I PACKAGE PER SM (L-MNA) AND PER LINE OR DSL (L-MNB) CONSISTS OF THE FOLLOWING FEATURES:
LASS AUTOMATIC CALLBACK (L-MNC)
LASS AUTOMATIC RECALL (L-MND)
LASS CUSTOMER ORIGINATED TRACE (L-MNE)
----- CONTINUED ON NEXT SHEET -----

ENGINEERING NOTES

- 51. FOR ORDERING PURPOSES ALL FEATURE RTU LISTS REFERENCED TO THIS NOTE MUST ALWAYS BE SUFFIXED WITH AN APPLICATION CODE LETTER 'R' OR 'S'. E.G., 'MAFR' OR 'MAFS'. FOLLOWING IS A DESCRIPTION OF THESE APPLICATION CODE LETTERS:
R - INITIAL ORDERS, SM GROWTH, AND/OR FEATURE ADDITIONS IN EXISTING OFFICES.
S - RETROFIT OR FEATURES PURCHASED FOR THE FIRST TIME WHEN RETROFITTING TO 5E13.
FOR INITIAL ORDERS OF RSM GROWTH ('R' SUFFIX), RTU FEES MUST BE SHIPPED AT HARDWARE MAIN SHIP DATE (MSD). (I.E., 3B21 DUPLEX COMPUTER FOR NEW OFFICES AND SWITCHING MODULE FOR GROWTH OFFICES).
- 52. THE ISDN OA&M FEATURE PACKAGE (L-MES) CONSISTS OF THE FOLLOWING FEATURES:
REMOTE DIGITAL TESTING
BASIC RATE INTERFACE (BRI) DIAL-UP TEST LINE
PACKET SWITCHING DATA BUSINESS GROUP SERVICES
SWITCH-BASED PROTOCOL MONITORING
- 53. FOR ORDERING PURPOSES ALL FEATURE RTU LISTS REFERENCED TO THIS NOTE MUST ALWAYS BE SUFFIXED WITH AN APPLICATION CODE LETTER 'R', 'S' OR 'U'; E.G., 'MFBR' OR 'MFBU'. FOLLOWING IS A DESCRIPTION OF THESE APPLICATION CODE LETTERS:
R - INITIAL ORDER, SM GROWTH AND/OR FEATURE ADDITIONS IN EXISTING OFFICES.
S - FEATURES PURCHASED FOR THE FIRST TIME WHEN RETROFITTING TO 5E13.
U - FEATURE UPGRADE OR CONVERSION
FOR INITIAL ORDERS OR SM GROWTH ('R' SUFFIX), RTU FEES MUST BE SHIPPED AT HARDWARE MAIN SHIP DATE (MSD). (I.E., 3B21 DUPLEX COMPUTER FOR NEW OFFICES AND SWITCHING MODULE FOR GROWTH OFFICES).
- 54. LISTS 'MA' THROUGH 'MH' AND 'M1' THROUGH 'M14' DO NOT REQUIRE AN APPLICATION CODE LETTER SUFFIX.
- 55. TAPES MUST BE IDENTIFIED IN THE 'B' SECTION OF THE JOB SPECIFICATION; E.G., TP-ODD-1234-03-02 IDENTIFIES A TAPE (TP) WHICH PROVIDES MAGNETIZING INFORMATION FOR OFFICE DEPENDENT DATA (ODD) FOR AN OFFICE WITH BASE NUMBER (1234) IN A 2-WIRE CONTROL GROUP (03) AND THIS TAPE IS THE SECOND (02) SUCH MAGNETIZING TAPE TO BE ISSUED FOR THE CONTROL GROUP.
- 56. ON INITIAL ORDERS ONLY ONE COPY OF THE TOP, AM AND SM GENERIC TAPES ARE REQUIRED. FOR RETROFIT ORDERS, ONE COPY OF TOP, 2 COPIES OF THE (AM) AND (SM) GENERIC, ODD AND NO COPIES OF THE ECD TAPES ARE REQUIRED. THE ECD SHALL BE PROVIDED PER L-MC OR MH.
- 57. DO NOT SPECIFY ANY RTU LISTS WITH DUPLICATE, SPARE OR REPLACEMENT TAPES.
- 58. THE TERM 'EXTENDED OFFICE' AS USED IN THIS DOCUMENT SHALL MEAN THE EQUIPMENT AT BOTH THE HOST SITE AND THE EQUIPMENT AT THE REMOTE SITE(S). THEREFORE, WHEN THE PHRASE 'PER SM PER EXTENDED OFFICE' IS USED, IT REFERS TO ALL HOST AND REMOTE SWITCHING MODULES. WHEN THE PHRASE 'PER SM PER SITE' IS USED, IT REFERS ONLY TO THE SM'S AT THE HOST SITE OR THE SM'S AT THE REMOTE SITE. THE CUSTOMER MUST GET BILLED ONCE AND ONLY ONCE FOR EACH SM IN THE EXTENDED OFFICE FOR EACH EXTENDED OFFICE FEATURE REQUESTED.
- 59. RESERVED.
- 60. RESERVED.

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ISSUE NOTES

ORIG ISS: 03/16/98					CHANGE CLASS: M				
DRAFT: RRH	ENGR: RRH	SUPV: FNG	CERTIFIED: 03/16/98	ISSUE: 1					
IN TABLE A, TAPE DESCRIPTION CHANGED FROM ODD TO DOD.									
ORIG ISS: 03/16/98					CHANGE CLASS: M				
DRAFT: RRH	ENGR: RRH	SUPV: RGM	CERTIFIED: 01/26/99	ISSUE: 2					
IN TABLE A, LIST AND GROUPS (WITH DA EFFECTIVE 3/28/00) WERE RATED DA OR LA, AS REQUIRED PER DRAWING RESTRUCTURING MANDATE.									
ORIG ISS: 03/16/98					CHANGE CLASS: M				
DRAFT: FMH	ENGR: FMH	SUPV: RGM	CERTIFIED: 03/21/00	ISSUE: 3					
IN TABLE A & TABLE AA CORRECTED TYPING ERRORS									
ORIG ISS: 03/16/98					CHANGE CLASS: M				
DRAFT: SMM	ENGR: SMM	SUPV: RGM	CERTIFIED: 04/14/00	ISSUE: 4					
ADDED MANUFACTURING NOTE 8. UPDATED NOTE SYM. NUMBER IN STOCKLIST FOR LISTS A & 9.									
ORIG ISS: 03/16/98					CHANGE CLASS: M				
DRAFT: CLJ	ENGR: CLJ	SUPV: SMR	CERTIFIED: 05/26/00	ISSUE: 5					

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ISSUE	D1 THRU D3	ISSUE 5																	
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RT13			
5ESS SWITCHING EQUIPMENT SPECIFICATION FOR 5ESS COMPACT DIGITAL EXCHANGE (CDX) AND 5ESS VERY COMPACT DIGITAL EXCHANGE (VCDX) FOR U.S. APPLICATIONS FOR SOFTWARE RELEASE 5E13			
DWG SIZE C2	ISSUE 5		
LUCENT TECHNOLOGIES INC		J5D052F-1	SHEET A1 OF 8

ENGINEERING NOTES

***** CONTINUED *****

Q.931/CCS7 INTERWORKING (LIST MDQ).

- 160. THIS FEATURE REQUIRES CCS7 (LIST MDG) OR ECIS6/CCIS6 AND CCS7 (LIST MDE).
- 161. THE SCREEN LIST EDITING CAPABILITY IS INCLUDED IN THIS FEATURE.
- 162. THIS FEATURE REQUIRES ISDN I (LIST MIA), A MBKS PACKAGE (LIST MIB OR LIST MIC) OR BASIC PRI (LIST MIG). THIS FEATURE ALSO REQUIRES CCS7 SIGNALING (LIST MDG).
- 163. THIS IS A SECURED FEATURE.
- 164. TOLL ASSIST (TA) ENHANCEMENTS CAN BE PURCHASED ON A "PER POSITION" (LIST MAS) OR "PER SWITCH" (LIST MMK) BASIS. IF THERE ARE NO TA POSITIONS ON A SWITCH, THEN THE PER SWITCH FEATURE PACKAGE (LIST MMK) IS SELECTED.
- 165. THIS FEATURE CURRENTLY HAS TWO PHASES. PHASE 1 IS TITLED "LASS UNIDENTIFIED CALL REJECTION" WITH FEATURE NUMBER 99-5E-790. PHASE 2 IS TITLED "LASS UNIDENTIFIED CALL REJECTION DIAL CODES" WITH FEATURE NUMBER 99-5E-1275. ONLY PHASE 1 OF THIS FEATURE IS AVAILABLE IN 5E5. THERE ARE CURRENTLY NO PLANS TO IMPLEMENT PHASE 2 IN 5E5. BOTH PHASE 1 AND 2 OF THIS FEATURE WILL BE AVAILABLE IN 5E6 AND LATER GENERATIONS. A NEW PHASE 3 IS PLANNED FOR FUTURE RELEASE, BUT WILL NOT BE MADE AVAILABLE IN 5E5.
- 166. AN X.25 PACKAGE IS REQUIRED FOR EACH FMC/OSC THAT IS EQUIPPED WITH AN INTELLIGENT SERIAL CONTROLLER (ISC) FEATURE CARD IN THE OAP; USUALLY THE ISC BOARD (REQUIRED ONLY IF A LINK TO AN EXTERNAL OPERATOR TROUBLE SYSTEM (E.G., NOTIS)) IS EQUIPPED IN THE FMC; HOWEVER, IT CAN BE PRESENT IN EITHER THE FMC OR OSC. THE AT&T X.25 NETWORK INTERFACE PACKAGE IS ORDERED FROM THE ED5D522-33 DRAWING.
- 167. THE FLEXIBLE AUTOMATIC CALL DISTRIBUTOR (ACD) CALL HANDLING FEATURE PACKAGE CAN BE ORDERED BY PC-BASED MIS CUSTOMER OR BY 3B-BASED MIS CUSTOMER. THE FEATURE PACKAGE CONTAINS THE FOLLOWING FEATURES:
CALL VECTORING
MUSIC ON QUEUE
ANSWER SUPERVISION CONTROL
- 168. THE EXTERNAL AUDIO RESPONSE UNIT (ARU) INTERFACE FEATURE PACKAGE CONTAINS THE FOLLOWING FEATURES:
SWITCHED ACCESS EXTERNAL ARU INTERFACE
AND ONE OF THE FOLLOWING:
CCI EXTERNAL ARU INTERFACE
OR
IBM LISTING SERVICES INTERFACE
- 169. SEE J5D008AB-1 FOR "COMBINED SERVICE TERMINAL" (CST) ORDERING INFORMATION.
- 170. SEE J5D008AC-1 FOR "AUTOMATIC POSITION SYSTEM" (APS) ORDERING INFORMATION.
- 171. LIST M11 AND M14 REQUIRES A SPECIAL SOFTWARE SCHEDULE TWO WEEKS PRIOR TO RETROFIT. THIS INTERVAL REQUIRED ONLY FOR RETROFIT ORDERS.
- 172. THE CSCANS IMPROVEMENTS I FEATURE PACKAGE INCLUDES THE FOLLOWING FEATURES:
CSCANS BWM DOWNLOAD SESSION AUTOMATION
CSCANS BWM NUMBER UPLOAD
- 173. THE INTERSWITCH SIGNALING ENHANCEMENTS FEATURE PACKAGE INCLUDES THE FOLLOWING FEATURES:
CCS7 ISDN USER PART ENHANCEMENTS
Q.931/CCS7 ISDN USER PART INTERWORKING ENHANCEMENTS
- 174. BEGINNING WITH 5E7, THE BASE APPLICATIONS PACKAGE INCLUDES THE FOLLOWING FEATURE PACKAGES:
J5D008L-1
LISTS

MDA () LOCAL OPTION
MAC () TOLL OPTION
MAB () SECOND BILLING OPTION
MAF () CARRIER INTERCONNECT - LOCAL
MEA () BASIC MAINTENANCE & ADMINISTRATION PACKAGE
MBA () CIVIC SERVICES PACKAGE
MAD () NETWORK MANAGEMENT CONTROLS
MAE () EXTENDED NETWORK MANAGEMENT
MEM () LOCAL TRAFFIC CHANNEL
THESE LISTS ARE NOT ORDERABLE SEPARATELY WITH 5E7 AND LATER SOFTWARE RELEASES.
----- CONTINUED ON NEXT SHEET -----

ENGINEERING NOTES

***** CONTINUED *****

POINT (L-MDK), TRANSACTION CAPABILITY (L-MDL), AND 800 NUMBER SERVICES (L-MDM) FEATURES ARE REQUIRED. ADDITIONALLY, ALL OF THESE FEATURES REQUIRE CCS7 SIGNALING.

- 93. THIS FEATURE PACKAGE REQUIRES A BASE BRCS PACKAGE PER DRAWING J5D052AA-2. ADDITIONALLY THE ISDN I PACKAGE (L-MIA) IS REQUIRED WHEN DATA SERVICE IS ADDED TO ANY MBKS SERVICE.
- 94. THIS FEATURE PACKAGE REQUIRES A BASE BRCS PACKAGE PER DRAWING J5D052AA-2 AS WELL AS THE ISDN I PACKAGE (L-MIA).
- 95. THIS FEATURE PACKAGE REQUIRES A BASE BRCS PACKAGE AND THE ISDN I PACKAGE (L-MIA) OR MBKS BASIC (LIST MIB) OR MBKS DELUXE (LIST MIC).
- 96. THIS FEATURE PACKAGE REQUIRES THE BRCS I, II, III, IV AND CUSTOMIZATION PACKAGES PER DRAWING J5D052AA-2. ADDITIONALLY THE ISDN I PACKAGE IS ALSO REQUIRED.
- 97. THE AMLB (L-MAN) AND AUTO RATE QUOTATION (L-MAP) RTU PACKAGES ARE APPLICABLE PER POSITION FOR ALL POSITIONS EQUIPPED FOR TOLL ASSIST & COIN (L-MAM). THE IFAM INTERFACE (L-MAQ) RTU PACKAGE IS APPLICABLE TO ALL POSITIONS EQUIPPED FOR DA (L-MAJ) AND TOLL ASSIST & COIN (L-MAM).
- 98. THIS PACKAGE REQUIRES A BASE BRCS PACKAGE PER DRAWING J5D052AA-2. HOWEVER, A BASE BRCS PACKAGE IS NOT REQUIRED WHEN THE ISDN I PACKAGE IS APPLIED IN A DEDICATED OSPS OFFICE.
- 99. OPTIONAL FEATURE. IF FEATURE IS ORDERED, IT IS REQUIRED ONCE PER OFFICE.
- 100. RTU LISTS SHALL BE SHOWN AS POINT ITEMS IN THE 'B' SECTION OF THE JOB SPEC FOR RETROFIT ORDERS.
EXAMPLE:
S 1 J5D052F-1 L-1
E/W
1 L-M2
S 1 J5D052F-1 L-2
E/W
1 L-M1
S 1 J5D052F-1 L-1
E/W
1 L-M3
S 1 J5D052F-1 L-1
E/W
1 L-MB
S 1 J5D052F-1 L-1
E/W
1 L-MC
- 151. VTOC TAPES WERE ORIGINALLY ORDERED AS A SEPARATE ENTITY. THEY NOW HAVE BEEN INTEGRATED INTO THE 'AM ODD' TAPE.
- 152. THE TOLL ASSIST (TA) ENHANCEMENTS FEATURE PACKAGE (L-MAS) CONSISTS OF THE FOLLOWING FEATURES:
ACCESS TO LINE INFORMATION DATABASE (LIDB)
EXCHANGE ALTERNATE BILLING SERVICES (ABS)
EXPANDED CALL TYPE DETERMINATION
NON-ISP TRUNK GROUP TO A VDT POSITION
- 153. (A). MZE() IS REQUIRED FOR THE OPERATING SYSTEM PORTION (INITIAL ORDER OR SM GROWTH) AND LIST MZF() FOR THE APPLICATIONS SYSTEMS PORTION (INITIAL ORDER, SM GROWTH).
(B). WHEN RETROFITTING MZF(R) AND MZH(R) TO THE NEXT HIGHER LEVEL SOFTWARE RELEASE, LIST MZJ OR MZK(S) WHICH APPLIES ONCE PER SWITCH IS TO BE ORDERED.
- 154. THIS FEATURE REQUIRES A BASE BRCS PACKAGE AND, FOR INTERSWITCH APPLICATIONS, CCS7 AND TCAP. CCS7 NETWORK INTERCONNECT IS REQUIRED FOR INTERLATA APPLICATION.
- 155. THE LASS II PACKAGE PER SM (LIST MNG) AND PER LINE OR DSL (LIST MNH) CONSISTS OF THE FOLLOWING FEATURES:
LASS SELECTIVE CALL REJECTION (LIST MNI).
LASS SELECTIVE CALL ACCEPTANCE (LIST MNJ).
LASS SELECTIVE CALL FORWARDING (LIST MNK).
LASS SELECTIVE DISTINCTIVE ALERT (LIST MNL).
- 156. RESERVED.
- 157. THIS FEATURE REQUIRES ISDN I (LIST MIA), A MBKS PACKAGE (LIST MIB OR LIST MIC), OR BASIC PRI (LIST MIG). THIS FEATURE ALSO REQUIRES CCS7 (LIST MDG) AND Q.931/CCS7 INTERWORKING (LIST MDQ).
- 158. THIS FEATURE REQUIRES ISDN I (LIST MIA) OR A MBKS PACKAGE (LIST MIB OR LIST MIC). THIS FEATURE ALSO REQUIRES CCS7 (LIST MDG) AND Q.931/CCS7 INTERWORKING (LIST MDQ).
- 159. THIS FEATURE REQUIRES BASIC PRI (LIST MIG), CCS7 (LIST MDG) AND ----- CONTINUED TO THE LEFT -----

ENGINEERING NOTES

***** CONTINUED *****

LASS ICLID (L-MNF)

- 79. BILLING FOR LASS I OR LASS II PER LINE, OR DSL TO PER SM CONVERSION SHOULD BE DONE USING THE FOLLOWING ALGORITHM:
EXAMPLE: L-MNA= (L-MNA * SM QUANTITY) - (L-MNB * LINE QUANTITY PREVIOUSLY PAID)
ONCE THE CUSTOMER INITIALLY CHOOSES OR CONVERTS TO THE LASS I OR LASS II PER SM BILLING OPTION FOR A PARTICULAR OFFICE, THE LASS I OR LASS II PER LINE, OR DSL BILLING OPTION IS NO LONGER AVAILABLE FOR THAT OFFICE.
- 80. AUTOMATIC CALL DISTRIBUTOR (ACD) INTRAFLOW CAN BE PURCHASED PER POSITION (L-MAU) OR PER SWITCH (L-MAZ).
- 81. THIS RTU FEATURE PACKAGE IS ONLY APPLIED TO THE INTER-EXCHANGE CARRIER.
- 82. THIS RTU FEATURE PACKAGE IS ONLY APPLIED TO THE LOCAL EXCHANGE CARRIER (LEC).
- 83. OSPS SUB ACCOUNT BILLING CAN BE PURCHASED PER POSITION (L-MAY) OR PER PSM (L-MAH).
- 84. FOR ORDERING PURPOSES, ALL FEATURE RTU LISTS REFERRING TO THIS NOTE MUST ALWAYS BE SUFFIXED WITH AN APPLICATION CODE LETTER 'U' FEATURE UPGRADE OR CONVERSION E.G., 'MHEU'. FOLLOWING IS A DESCRIPTION OF THE APPLICATION CODE LETTER:
U - FEATURE UPGRADE OR CONVERSION.
- 85. RTU LISTS SHALL BE SHOWN AS MAIN ITEMS IN THE 'B' SECTION OF THE JOB SPEC FOR INITIAL ORDERS, SM GROWTH, FEATURE ADDITIONS, AND FEATURE UPGRADES OR CONVERSIONS. EXAMPLE:
INITIAL ORDER
S 1 J5D052F-1 L-1
E/W
1 L-M2
S 1 J5D052F-1 L-2
E/W
1 L-M1
S 1 J5D052F-1 L-1
E/W
1 L-M3
S 1 J5D052F-1 L-1
E/W
1 L-MA
S 1 J5D052F-1 L-1
E/W
1 L-MB
- 86. THIS IS A FEATURE PACKAGE. IT INCLUDES THE FOLLOWING FEATURES:
ENHANCED INTERFACE TO MLT FOR TESTING LINES (99-5E-1458);
IMPROVED DLC OPERATIONAL STATUS INDICATIONS (99-5E-1558).
- 87. THIS FEATURE ALWAYS REQUIRES BASE BRCS AND SWITCH-TO-CPE ANALOG OFF-HOOK FSK DATA INTERFACE (L-NFK). THIS FEATURE CAN PROVIDE ANALOG CALLING NUMBER DELIVERY OR ANALOG CALLING NAME DELIVERY OR BOTH AT THE CUSTOMER'S REQUEST. LASS I OR LASS ICLID IS REQUIRED IF ANALOG CALLING NUMBER IS PROVIDED; LASS ANALOG CALLING NAME DELIVERY (L-MNU) AND TCAP (L-MDL) ARE REQUIRED IF CALLING NAME DELIVERY IS PROVIDED. CCS7 IS REQUIRED FOR INTERSWITCH APPLICATION.
- 88. THIS RTU FEATURE PACKAGE IS APPLICABLE ONLY TO AT&T - NSD OFFICES.
- 90. BEGINNING IN 5E9(2), "PER GROWTH SWITCH" RTU FEE MUST BE ORDERED WHEN THE FIRST SM2000 IS ADDED TO AN UPGRADED SWITCH THAT HAD PREVIOUSLY LICENSED THIS FEATURE ON EXISTING CLASSIC SM(S). IF CLASSIC SM(S) ARE ADDED RATHER THAN SM2000, EITHER THE "PER GROWTH SWITCH" FEE OR THE "PER SM" FEE MAY BE ORDERED. THE "PER GROWTH SWITCH" FEE IS A ONE-TIME PER SWITCH FEE THAT COMPLETES PAYMENT OF RTU FEES FOR THIS FEATURE ON A SWITCH (E.G., NO FURTHER RTU FEES ARE APPLICABLE UPON FUTURE GROWTH TO THAT SWITCH).
- 91. 4-WIRE SUBSCRIBER ACCESS REQUIRES 5E3 BRCS ADAPTATION TO DSN/AUTOVON, THE BRCS I, II, III, IV AND BRCS CUSTOMIZATION PACKAGES (PER DRAWING J5D052AA-2) FOR MLPP CAPABILITY.
- 92. IN ORDER TO IMPLEMENT SSP/800 SERVICE, THE SERVICE SWITCHING ----- CONTINUED TO THE LEFT -----

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RT13

5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
5ESS COMPACT DIGITAL EXCHANGE (CDX)
AND 5ESS VERY COMPACT DIGITAL
EXCHANGE (VCDX)
FOR U.S. APPLICATIONS FOR SOFTWARE
RELEASE 5E13

DWG SIZE C2 ISSUE 5

LUCENT TECHNOLOGIES INC J5D052F-1

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ENGINEERING NOTES

***** CONTINUED *****

NPG()	ASP NTRK ELEMENT SVCS SIGNALING RTU	185
NPV()	ASP - RELEASE 0.1B RTU	166
NPB()	ASP BRCS/OHD INTERWORKING RTU	137
NPD()	ASP BSY/NO ANS SUBS EVNT DECTCTN RTU	147
NPS()	ASP INTERWORKING W/NISDN RTU	139
NPL()	ASP OHD IW W/ACCT CODES CPM/BN RTU	150
NPJ()	ASP LASS/OHD INTERWORKING RTU	137
MDO()	ASP-SSP (SERVICE SWITCH POINT) RTU	58
MDW()	ASP-SSP ENHANCEMENTS RTU	51
MFU()	BRCS 1 UPDATE TO UNIV BRCS/SM RTU	N
MES()	ISDN O&M PACKAGE RTU	N
NKB()	NISDN 5E10 BRI PACKAGE RTU	225
	*INCLS. PCS ISDN INTERWORKING	
MWG()	NATIONAL ISDN-2 BRI PACKAGE RTU	N
MVW()	NATIONAL ISDN BASE RTU	N
MXV()	STANDARD BRI BASE RTU	N

LIST PJA, MARKETABLE ITEM 'WNCRTU', ORDERED ONLY ON THE VCDX PLATFORM.

256. WHEN ORDERING THE 'W CARD', FOR THE WIRELESS NETWORK CONTROLLER (WNC), YOU WILL RECEIVE THE AIR EXTENSION MOBILITY MGMT. RTU. THIS FEATURE REQUIRES LIST PJA, THE AIR EXTENSION MARKETABLE ITEM ALSO TO BE ORDERED.

ENGINEERING NOTES

***** CONTINUED *****

RELEASES AS THEY OCCUR. THE FEE TITLED "MARCH" (LIST-MCN) RELATES TO THE BELLCORE OS PRODUCT OF THE SAME NAME THAT USED TO BE CALLED "MIZAR".

189. SHARED DN ENHANCEMENTS FOR CONFERENCE CALLS FEATURE PACKAGE IS APPLICABLE ON CUSTOM BRIS ONLY AND INCLUDES THE FOLLOWING FEATURES:

PROVIDE SHARED DN BRIDGING ONTO CONFERENCE CALLS
ISDN MBKS PICK UP HELD CONFERENCE FROM SHARED DN CALL
APPEARANCE

190. THIS FEATURE PACKAGE IS REQUIRED FOR B-CHANNEL PACKET SWITCHING ON A STANDARD BRI.

191. FOR ORDERING PURPOSES, ALL FEATURE RTU LISTS REFERENCED TO THIS NOTE MUST ALWAYS BE SUFFIXED WITH AN APPLICATION CODE LETTER "S"; E.G., "MZLS". FOLLOWING IS A DESCRIPTION OF THE APPLICATION CODE LETTER:
S-RETROFIT OR FEATURES PURCHASED FOR THE FIRST TIME WHEN RETROFITTING.

192. EFFECTIVE 1/1/92 THE MULTIPOINT BRI RTU FEES WILL BE RESTRUCTURED AS FOLLOWS:

- 1) ORDER LIST-MIR() FOR U- OR T- INTERFACE MULTIPOINT BRIS WITH FULLY INITIALIZING TERMINALS.
- 2) ORDER LIST MIS() FOR U- OR T- INTERFACE MULTIPOINT BRIS WITH NON-INITIALIZING TERMINALS.

193. WHEN THIS LASS FEATURE IS USED INTERSWITCH BY AN ISDM CUSTOMER USING AN ISDN SET, THEN Q.931/CCS7 INTERWORKING (LIST MDQ) IS REQUIRED.

194. EFFECTIVE NOVEMBER, 1998, THE 5ESS SWITCH SOFTWARE SUPPORT PLAN PRODUCT RATINGS FOR THE 5E13 SOFTWARE RELEASE ARE AS FOLLOWS:

RELEASE	PROPOSED DATES	SOFTWARE PRODUCT RATING
5E13	11/98	STANDARD
	4TH QTR/99	ADDITIONS AND MAINTENANCE
	4TH QTR/00	LIMITED AVAILABILITY
	4TH QTR/01	DISCONTINUED AVAILABILITY

195. THIS FEATURE MAY REQUIRE NEW ANNOUNCEMENTS. THE CUSTOMER NEEDS TO CONTACT HIS/HER ACCOUNT TEAM TO DISCUSS PROCUREMENT OF ANY NEW ANNOUNCEMENTS.

196. THE SPECIALIZED HANDLING FOR 700 CALLS, RELEASE 2.1 FEATURE PACKAGE INCLUDES THE FOLLOWING FEATURES: QUANTUM - BACK TO THE PLATFORM, FORCED QUANTUM RETURN, BUSY AND RING/NO ANSWER RETURN AND ALPHANUMERIC PIN.

197. RESERVED.

199. THE FEATURES LIST MVX PROVIDE, "SHARED DN BRIDGING ON TO CONFERENCE CALLS (99-5E-0738)" AND "ISDN MBKS PICK-UP HELD CONFERENCE FROM SHARED DN CALL APPEARANCE (99-5E-0739)" ARE INCLUDED IN THIS FEATURE PACKAGE. THESE ARE SECURED FEATURES. THE SECURED FEATURE (#92) ENABLING PROCESS MUST BE PERFORMED IN ORDER TO USE THESE FEATURES.

200. THIS FEATURE USES THE LUCENT TECHNOLOGIES TCAP PROTOCOL THAT WAS DEVELOPED FOR 891 CARD VALIDATION USING BELLCORE DEFINED PROTOCOL (LIST MMY). AT THIS TIME BOTH FEATURES CANNOT BE TURNED ON SIMULTANEOUSLY UNTIL THE AILS FEATURE IS CLEANED UP IN 5E10 SOFTWARE RELEASE.

251. WHEN ORDERING THE SUN SPARC CLASSIC, VERIFY THE OPERATING SYSTEM SUPPLIED IS SOLARIS 2.3. THE OPERATING SYSTEM SOFTWARE IS BUNDLED WITH THE HARDWARE. IF THE OAP-2 IS TO INTERFACE TO AN EXTERNAL OPERATOR TROUBLE REPORT ANALYSIS SYSTEM (EOAS) (SUCH AS NOTIS), THE X.25 SOFTWARE MUST ALSO BE ORDERED FROM SUN. ORDER PART NUMBER X25-P, "SUN LINK X.25 8.0".

252. THE ENGINEER MUST CONFIGURE THE SWITCH AS PART OF THE AUTOPLEX 1000. REFER TO APPLICABLE NWSBU ENGINEERING RULES.

253. SOFTWARE REQUIRED FOR "5ESS SWITCH, 5ESS WIRELESS" FOR RELEASE 5E13 ARE TO BE ORDERED ON J5D008U-1.

254. SOFTWARE REQUIRED FOR BUSINESS AND RESIDENCE CUSTOM SERVICE (BRCS) FOR RELEASE 5E10 ARE TO BE ORDERED ON J5D052AA-2.

255. WHEN ORDERING A WIRELESS NETWORK CONTROLLER (WNC), FOR USE WITH THE AIR EXTENSION SYSTEM, THE PACKAGE WILL CONSIST OF THE FOLLOWING FEATURES:

LIST	FEATURE	FEATURE ID#
MZF()	5E13 BASE APPLICATIONS RTU	230
MZE()	5E13 OPERATING SYSTEM RTU	N
NPR()	ASP CALL ROUTING PARAMETERS RTU	227

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ENGINEERING NOTES

***** CONTINUED *****

175. THE MECH USAGE DATA OAP REPORTS FEATURE CONSISTS OF THE FOLLOWING FEATURES:
MECH 15 MINUTE USAGE DATA
MECH 24 HOUR USAGE DATA

176. THE BASIC CALL VECTORING (ACD) CALL HANDLING FEATURE PACKAGE CONTAINS THE FOLLOWING FEATURES:
CALL VECTORING
MUSIC ON QUEUE
ANSWER SUPERVISION CONTROL.

177. THE ENHANCED PROMPTING ON INBOUND CALLS (EPIC) FEATURE REPRESENTS THE FOLLOWING FEATURE:
CALL INTERACTION INTERFACE TO INBOUND CALL MANAGEMENT.

178. THE COMBINED SERVICES TERMINAL (CST) EMULATOR SOFTWARE FOR ACCEPTANCE TEST CAPABILITY IS USED FOR INITIAL INSTALLATIONS BY AT&T INSTALLERS ONLY. ANY USE OTHER THAN INTENDED TESTING OF THE CST CAN CAUSE PROBLEMS WITH THE PERFORMANCE OF THE 5ESS SWITCH HARDWARE.

179. ADVANCED SERVICES PLATFORM (ASP) SERVICE SWITCHING POINT (SSP) ENHANCEMENTS IS A FEATURE PACKAGE WHICH INCLUDES THE FOLLOWING FEATURES:
ADVANCED SERVICES PLATFORM (ASP) ENHANCEMENTS (5E6 VIA BWM) ADDITIONAL ADVANCED SERVICES PLATFORM (ASP) CAPABILITIES (5E9.2).

180. THE CICADA FEATURE PACKAGE CONSISTS OF THE FOLLOWING FEATURES:
CICADA
CICADA - AUTOMATED ANNOUNCEMENT PROMPT.
REAL TIME RATING IMPROVEMENTS FOR DIRECTORY ASSISTANCE CALL COMPLETION.
THIS FEATURE PACKAGE REQUIRES NEW ANNOUNCEMENTS THAT THE CUSTOMER MUST PROVISION THROUGH THE STANDARD CUSTOM ANNOUNCEMENTS PROCESS.

181. THE BRI DATA SERVICES PACKAGE (LIST MIM) IS REQUIRED FOR FULL NATIONAL ISDN2 COMPLIANCE.

182. THIS LIST INCREMENTALLY ADDS THE 3RD THRU THE 6TH DS1 TO A 2 DS1 PER D-CHANNEL STANDARD PRI GROUP. FOR EXAMPLE, IF A CUSTOMER WANTS TO ADD A 3RD AND 4TH DS1 TO AN EXISTING STANDARD PRI GROUP, THEY WOULD ORDER 2 TIMES THIS LIST.

183. THIS LIST INCREMENTALLY ADDS THE 7TH THRU THE 20TH DS1 TO A STANDARD PRI GROUP WITH 6 TO 19 DS1'S. FOR EXAMPLE, IF A CUSTOMER WANTS TO ADD A 7TH,8TH AND 9TH DS1 TO AN EXISTING STANDARD PRI GROUP, THEY WOULD ORDER 3 TIMES THIS LIST.

184. THIS LIST IS APPLIED ONCE PER CONVERTED STANDARD PRI GROUP. FOR EXAMPLE, IF A CUSTOMER WANTS TO CONVERT 3 CUSTOM PRI'S TO A 3 DS1 PER D-CHANNEL STANDARD PRI GROUP, THE CUSTOMER WOULD PAY 3 TIMES THE "UPGRADE FROM CUSTOM TO STANDARD PRI" RTU FEE (LIST MWM) AND 1 TIMES THE "UPGRADE TO NFAS AND DCBU" RTU FEE (LIST MWM).

185. THIS LIST INCREMENTALLY ADDS FRACTIONAL DS1 TO THE 3RD THRU THE 6TH DS1 OF A STANDARD PRI GROUP. FOR EXAMPLE, IF A CUSTOMER WANTS TO ADD FRACTIONAL DS1 TO THE 3RD AND 4TH DS1 OF AN EXISTING STANDARD PRI GROUP, THEY WOULD ORDER 2 TIMES THIS LIST.

186. THIS LIST INCREMENTALLY ADDS FRACTIONAL DS1 TO THE 7TH THRU THE 20TH DS1 OF A STANDARD PRI GROUP. FOR EXAMPLE, IF A CUSTOMER WANTS TO ADD FRACTIONAL DS1 TO THE 7TH AND 8TH DS1 OF AN EXISTING STANDARD PRI GROUP, THEY WOULD ORDER 2 TIMES THIS LIST.

187. WHEN ORDERING LIST MMP (LISTING SERVICES PRESENTATION PROTOCOL), LIST MME (COMBINED SERVICES) SPECIFIED ON J5D008AB-1 IS REQUIRED.

188. LISTS REFERRED TO THIS NOTE REPRESENT RTU FEES THAT ARE APPLICABLE:
1) TO NEW INSTALLATIONS OF NON-LUCENT TECHNOLOGIES OS PRODUCTS
2) AT RETROFIT OF EXISTING NON-LUCENT TECHNOLOGIES OS PRODUCTS FROM ONE SOFTWARE RELEASE TO THE NEXT HIGHER LEVEL SOFTWARE RELEASE

THIS FEE IS PASSED THROUGH TO LECS USING A NON-LUCENT TECHNOLOGIES OS PRODUCT, IN ORDER TO RECOVER THE DEVELOPMENT FUNDING LUCENT TECHNOLOGIES PROVIDES TO BELLCORE TO ENSURE THAT BELLCORE OS PRODUCTS CONTINUE TO SUPPORT LUCENT TECHNOLOGIES SOFTWARE

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RT13

5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
5ESS COMPACT DIGITAL EXCHANGE (CDX)
AND 5ESS VERY COMPACT DIGITAL
EXCHANGE (VCDX)
FOR U.S. APPLICATIONS FOR SOFTWARE
RELEASE 5E13

DWG SIZE
C2

ISSUE
5

TABLE A-FEATURES												
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	
ONE BLANK MAGNETIC TAPE (FULL REEL) 9 TRACK, 6250 BPI. DA EFF:03/28/00 FE:J5D052F-3,L1		DA	1									
ONE BLANK MAGNETIC TAPE (MINI REEL) 9 TRACK, 6250 BPI. DA EFF:03/28/00 FE:J5D052F-3,L2		DA	2									
FOUR DOUBLE-SIDED, DOUBLE DENSITY, 96 TRACK PER INCH, 5 1/4 INCH DISKETTES. DA EFF:03/28/00 FE:J5D052F-3,L3		DA	3									
ONE DOUBLE-SIDED, HIGH DENSITY, 135 TRACK PER INCH, 3 1/2 INCH DISKETTES. DA EFF:03/28/00 FE:J5D052F-3,L4		DA	4									
THREE BLANK MAGNETIC TAPES REQUIRED WHEN RETROFITTING THE 5E13 GENERIC (SEE TABLE AB) (6250 BPI). DA EFF:03/28/00 FE:J5D052F-3,L5		DA	5									
ONE DOUBLE-SIDED, DOUBLE DENSITY, 96 TRACK PER INCH, 5 1/4 INCH DISKETTES. DA EFF:03/28/00 FE:J5D052F-3,L6		DA	6									
ONE (1) BLANK 4MM DIGITAL AUDIO TAPE (DAT) CARTRIDGE. DA EFF:03/28/00 FE:J5D052F-3,L7		DA	7									
TWO BLANK MAGNETIC TAPES (FULL REEL) 9 TRACK, 6250 BPI. DA EFF:03/28/00 FE:J5D052F-3,L8		DA	8									
ONE (1) BLANK 4MM DIGITAL AUDIO TAPE (DAT) CARTRIDGE. DA EFF:03/28/00 FE:J5D052F-3,L9		DA	9									
TWO (2) BLANK 4MM DIGITAL AUDIO TAPE (DAT) CARTRIDGE. DA EFF:03/28/00 FE:J5D052F-3,L10		DA	10									
THREE (3) BLANK 4MM DIGITAL AUDIO TAPE (DAT) CARTRIDGE. DA EFF:03/28/00 FE:J5D052F-3,L11		DA	11									
ONE BLANK MAGNETIC TAPE (MINI REEL) 9 TRACK, 6250 BPI. DA EFF:03/28/00 FE:J5D052F-3,LA		DA	A									
TWO BLANK MAGNETIC TAPES (FULL REEL) 9 TRACK, 6250 BPI. DA EFF:03/28/00 FE:J5D052F-3,LB		DA	B									
REQUIRED IN ADDITION TO LIST 2 FOR THE 5E13 GENERIC (TOP) TAPE OPERATING PROGRAM. (CDX ONLY) DA EFF:03/28/00 FE:J5D052F-3,LM1	54 56 73	DA	M1	1	TP-5D052F-01 (ZZ.ZZ) VOL.1							
REQUIRED IN ADDITION TO LIST 8 FOR THE TEXT DATA FOR ADMINISTRATION MODULE (AM) GENERIC PROGRAM. (REQUIRED ONCE PER INITIAL OFFICE). (CDX ONLY) DA EFF:03/28/00 FE:J5D052F-3,LM2	54 56 64 73	DA	M2	1	TP-5D052F-02 (ZZ.ZZ) VOL.1							
				1	TP-5D052F-02 (ZZ.ZZ) VOL.2							

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	
REQUIRED IN ADDITION TO LIST 8 FOR THE TEXT DATA FOR (SM) SWITCHING MODULE GENERIC PROGRAM. (REQUIRED ONCE PER OFFICE). (CDX ONLY) DA EFF:03/28/00 FE:J5D052F-3,LM3	54 56 64 73	DA	M3	1	TP-5D052F-03 (ZZ.ZZ) VOL.1							
				1	TP-5D052F-03 (ZZ.ZZ) VOL.2							
REQUIRED IN ADDITION TO LIST 7, DAT TAPE FOR THE 5E13 GENERIC (TOP) TAPE OPERATING PROGRAM. (CDX ONLY) DA EFF:03/28/00 FE:J5D052F-3,LM4	54 56	DA	M4	1	TP-5D052F-04 (ZZ.ZZ) VOL.1							
REQUIRED IN ADDITION TO LIST 7, DAT TAPE FOR THE TEXT DATA FOR ADMINISTRATION MODULE (AM) GENERIC 5E13 PROGRAM. (REQUIRED ONCE PER OFFICE). (CDX ONLY) DA EFF:03/28/00 FE:J5D052F-3,LM5	54 56	DA	M5	1	TP-5D052F-05 (ZZ.ZZ) VOL.1							
REQUIRED IN ADDITION TO LIST 7, DAT TAPE FOR THE TEXT DATA FOR SWITCHING MODULE (SM) GENERIC 5E13 PROGRAM. (REQUIRED ONCE PER OFFICE). (CDX ONLY) DA EFF:03/28/00 FE:J5D052F-3,LM6	54 56	DA	M6	1	TP-5D052F-06 (ZZ.ZZ) VOL.1							
REQUIRED IN ADDITION TO LIST 7, DAT TAPE FOR THE OPERATING SYSTEM AND EMULATOR SOFTWARE RELEASE 5E13 FOR THE VERY COMPACT DIGITAL EXCHANGE (VCDX) SWITCH. (VCDX ONLY) DA EFF:03/28/00 FE:J5D052F-3,LM7	54	DA	M7	1	TP-5D052F-07 (ZZ.ZZ) VOL.1							
REQUIRED IN ADDITION TO LIST 7, DAT TAPE FOR THE (TOP) TAPE OPERATING PROGRAM SOFTWARE RELEASE 5E13 FOR THE VERY COMPACT DIGITAL EXCHANGE (VCDX) SWITCH. (VCDX ONLY) DA EFF:03/28/00 FE:J5D052F-3,LM8	54	DA	M8	1	TP-5D052F-08 (ZZ.ZZ) VOL.1							
REQUIRED IN ADDITION TO LIST 7, DAT TAPE FOR THE TEXT DATA FOR ADMINISTRATION MODULE (AM) SOFTWARE RELEASE 5E13 FOR THE VERY COMPACT DIGITAL EXCHANGE (VCDX) SWITCH. (VCDX ONLY) DA EFF:03/28/00 FE:J5D052F-3,LM9	54	DA	M9	1	TP-5D052F-09 (ZZ.ZZ) VOL.1							

TABLE-A CONTINUED

J5D052F-1

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RT13

5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
5ESS COMPACT DIGITAL EXCHANGE (CDX)
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EXCHANGE (VCDX)
FOR U.S. APPLICATIONS FOR SOFTWARE
RELEASE 5E13

DWG SIZE C2 ISSUE 5

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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	
REQUIRED IN ADDITION TO LIST 7, DAT TAPE FOR THE TEXT DATA FOR SWITCHING MODULE (SM) SOFTWARE RELEASE 5E13 FOR THE VERY COMPACT DIGITAL EXCHANGE (VCDX) SWITCH. (VCDX ONLY) DA EFF:03/28/00 FE:J5D052F-3,LM10	54	DA	M10	1	TP-5D052F-10 (ZZ.ZZ) VOL.1							
REQUIRED IN ADDITION TO LIST 3 FOR THE (OSPSAP) OSPS ADMINISTRATIVE PROCESSOR SOFTWARE. DA EFF:03/28/00 FE:J5D052F-3,LM11	54 166 171	DA	M11	1	TP-5D052F-11 (ZZ.ZZ) VOL.1							
				1	TP-5D052F-11 (ZZ.ZZ) VOL.2							
				1	TP-5D052F-11 (ZZ.ZZ) VOL.3							
				1	TP-5D052F-11 (ZZ.ZZ) VOL.4							
REQUIRED IN ADDITION TO LIST A FOR THE AMA BILLING TEST DATA MEMORY. DA EFF:03/28/00 FE:J5D052F-3,LM12	54 99	DA	M12	1	TP-5D052F-12 (ZZ.ZZ) VOL.1							
REQUIRED IN ADDITION TO LIST 9, DAT TAPE FOR THE AMA BILLING TEST DATA MEMORY. DA EFF:03/28/00 FE:J5D052F-3,LM13	54 99	DA	M13	1	TP-5D052F-13 (ZZ.ZZ) VOL.1							
REQUIRED IN ADDITION TO LIST 9, DAT TAPE FOR THE (OSPS OAP-2) OSPS ADMINISTRATIVE PROCESSOR-2 SOFTWARE. DA EFF:03/28/00 FE:J5D052F-3,LM14	54 166 171 251	DA	M14	1	TP-5D052F-14 (ZZ.ZZ) VOL.1							
REQUIRED IN ADDITION TO LIST 1 FOR THE OFFICE DEPENDENT DATA (ODD) SLATTS. (INITIAL OFFICE). (CDX ONLY) DA EFF:03/28/00 FE:J5D052F-3,LMA	54 55 56	DA	MA	1	TP-ODD-XXXX-YY-ZZ (SLATTS)							
REQUIRED IN ADDITION TO LIST 1 FOR THE OFFICE DEPENDENT DATA (ODD) FULLS. (INITIAL OFFICE). (CDX ONLY) DA EFF:03/28/00 FE:J5D052F-3,LMB	54 55 56	DA	MB	1	TP-ODD-XXXX-YY-ZZ (FULLS)							
REQUIRED IN ADDITION TO LIST B TO PROVIDE "AM ODD", "EVOLVED ECD", "SM ODD" AND "VTOC" FOR RETROFIT TO GENERIC 5E13. PROVIDES 63/66 TAPE. (2 COPIES REQUIRED) (CDX ONLY) DA EFF:03/28/00 FE:J5D052F-3,LMC	54 55 56 151	DA	MC	2	TP-ECD-XXXX-YY-ZZ (EVOLVED ECD)							
REQUIRED IN ADDITION TO LIST 7, DAT TAPE FOR THE OFFICE DEPENDENT DATA (ODD) FOR ADMINISTRATION MODULE (AM). (VCDX ONLY) DA EFF:03/28/00 FE:J5D052F-3,LMD	54 55	DA	MD	1	TP-DOD-XXXX-YY-ZZ (ODDAM)							
REQUIRED IN ADDITION TO LIST 7, DAT TAPE FOR THE OFFICE DEPENDENT DATA (ODD) FOR SWITCHING MODULE (SM). (VCDX ONLY) DA EFF:03/28/00 FE:J5D052F-3,LME	54 55	DA	ME	1	TP-DOD-XXXX-YY-ZZ (ODDSM)							
REQUIRED IN ADDITION TO LIST 7, DAT TAPE FOR THE OFFICE DEPENDENT DATA (ODD) SLATTS. (INITIAL OFFICE) (CDX ONLY) DA EFF:03/28/00 FE:J5D052F-3,LMF	54 55 56	DA	MF	1	TP-DOD-XXXX-YY-ZZ (SLATTS)							
REQUIRED IN ADDITION TO LIST 7, DAT TAPE FOR THE OFFICE DEPENDENT DATA (ODD) FULLS. (INITIAL OFFICE) (CDX ONLY) DA EFF:03/28/00 FE:J5D052F-3,LMG	54 55 56	DA	MG	1	TP-DOD-XXXX-YY-ZZ (FULLS)							

TABLE-A CONTINUED

J5D052F-1

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	
REQUIRED IN ADDITION TO LIST 10, DAT TAPE TO PROVIDE "AM ODD", "EVOLVED ECD", "SM ODD" AND "VTOC" FOR RETROFIT TO GENERIC 5E13. (2 COPIES REQUIRED) (CDX ONLY) DA EFF:03/28/00 FE:J5D052F-3,LMH	54 55 56 151	DA	MH	1	TP-CED-XXXX-YY-ZZ (EVOLVED ECD)							
SEE MISCELLANEOUS TABLE AA. DA EFF:03/28/00 FE:J5D052F-3,LMZE APPCODES:R		DA	MZE									
SEE MISCELLANEOUS TABLE AA. DA EFF:03/28/00 FE:J5D052F-3,LMZF APPCODES:R,S		DA	MZF									
SEE MISCELLANEOUS TABLE AA. DA EFF:03/28/00 FE:J5D052EZ-3,LMZG APPCODES:R		DA	MZG									
SEE MISCELLANEOUS TABLE AA. DA EFF:03/28/00 FE:J5D052EZ-3,LMZH APPCODES:R		DA	MZH									
SEE MISCELLANEOUS TABLE AA. DA EFF:03/28/00 FE:J5D052F-3,LMZK APPCODES:S		DA	MZK									
SEE MISCELLANEOUS TABLE AA. DA EFF:03/28/00 FE:J5D052F-3,LNSB APPCODES:R,S		DA	NSB									
SEE MISCELLANEOUS TABLE AA. DA EFF:03/28/00 FE:J5D052F-3,LNSC APPCODES:R,S		DA	NSC									
SEE MISCELLANEOUS TABLE AA. DA EFF:03/28/00 FE:J5D052F-3,LNSD APPCODES:R,S		DA	NSD									
SEE MISCELLANEOUS TABLE AA. DA EFF:03/28/00 FE:J5D052F-3,LNSE APPCODES:R,S		DA	NSE									
SEE MISCELLANEOUS TABLE AA. DA EFF:03/28/00 FE:J5D052F-3,LNSF APPCODES:R,S		DA	NSF									
SEE MISCELLANEOUS TABLE AA. DA EFF:03/28/00 FE:J5D052F-3,LNSG APPCODES:R,S		DA	NSG									

END OF TABLE-A

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RT13

5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
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EXCHANGE (VCDX)
FOR U.S. APPLICATIONS FOR SOFTWARE
RELEASE 5E13

DWG SIZE
C2

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STOCKLIST									
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE		
							SYM	NBR	
1000	1	1	405526922		TAPE, MAGNETIC 9 TRACK FULL REEL 6250 BPI			1 4	
1010	2	1	405654021		TAPE, MAGNETIC 9 TRACK MINI REEL 6250 BPI			2 4	
1020	3	4	404056350		DISKETTE 5-1/4 IN. DOUBLE SIDED DENSITY SOFT SECTOR 96 TPI BETTER BUSINESS			3 4	
1030	4	1	405915786		DISK, FLOPPY #3231020F 3-1/2 IN MICRO 2MB			4 6	
1040	5	3	405526922		TAPE, MAGNETIC 9 TRACK FULL REEL 6250 BPI			1 5	
1050	6	1	404056350		DISKETTE 5-1/4 IN. DOUBLE SIDED DENSITY SOFT SECTOR 96 TPI BETTER BUSINESS			3 4	
1055	7	1	407131747		TAPE, MAGNETIC #84-9801-9344-9 (4 MM) 3M CO.			4 7	
1058	8	2	405526922		TAPE, MAGNETIC 9 TRACK FULL REEL 6250 BPI			1 4	
1059	9	1	407131747		TAPE, MAGNETIC #84-9801-9344-9 (4 MM) 3M CO.			8 7	
1070	10	2	407131747		TAPE, MAGNETIC #84-9801-9344-9 (4 MM) 3M CO.			5 7	
1075	11	3	407131747		TAPE, MAGNETIC #84-9801-9344-9 (4 MM) 3M CO.			5 7	
1080	A	1	405654021		TAPE, MAGNETIC 9 TRACK MINI REEL 6250 BPI			2 8	
1090	B	2	405526922		TAPE, MAGNETIC 9 TRACK FULL REEL 6250 BPI			1 4	

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

S H O P T	I N S T	MANUFACTURING NOTES	
		X	X
X	X	2. MAGNETIC TAPES ARE 9 TRACK, MINI REEL, WITH AN INFORMATION DENSITY OF 6250 BITS PER INCH WITH A PHYSICAL FORMAT CONFORMING WITH THE U.S.A. STANDARDS INSTITUTE (USASI) SPECIFICATION X3.22-1967.	
X	X	3. DISKETTES ARE DOUBLE SIDED, DOUBLE DENSITY 96 TRACK PER INCH, 5 1/4 INCH DISKETTES.	
X	X	4. SPECIFY "NWQ" FOR ITEMS TO BE SOURCED AT THE NETWORK SOFTWARE CENTER.	
X	X	5. SPECIFY "WNT" FOR ITEMS TO BE SOURCED AT THE WESTWOOD SOFTWARE REPLICATION CENTER.	
X	X	6. DISKETTES ARE DOUBLE SIDED, HIGH DENSITY 135 TRACK PER INCH, 3-1/2 INCH DISKETTES.	
X	X	7. CARTRIDGE - MAGNETIC, DAT (4MM X 90M).	
X	X	8. SPECIFY "IDG2" FOR ITEMS TO BE SOURCED AT THE CUSTOMER INFORMATION CENTER (CIC).	

TABLE AA

TABLE AA RIGHT-TO-USE (RTU) FEATURES									
LIST	FEATURE DESCRIPTION	NOTE	RAT-ING	MARKET-ABLE ITEMS	STARS CODE	SCURD Y(YES)	FEAT ID	PREREQ REQ RTU	APPL RTU PER
2,M1	TAPE OPERATING PROGRAM (5E13) (TOP) (CDX ONLY)	54	DA		T13				
8,M2	TEXT DATA FOR ADMINISTRATION MODULE (5E13) - (AM) (CDX ONLY)	54	DA		G13				
8,M3	TEXT DATA FOR SWITCHING MODULE (5E13) - (SM) (CDX ONLY)	54	DA		G13				
7,M4	DAT TAPE OPERATING PROGRAM (5E13) - (TOP) (CDX ONLY)	54	DA		TC13				

*** CONTINUED ***

J5D052F-1

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RT13	
5ESS SWITCHING EQUIPMENT SPECIFICATION FOR 5ESS COMPACT DIGITAL EXCHANGE (CDX) AND 5ESS VERY COMPACT DIGITAL EXCHANGE (VCDX) FOR U.S. APPLICATIONS FOR SOFTWARE RELEASE 5E13	
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LUCENT TECHNOLOGIES INC	J5D052F-1
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** CONTINUED **
TABLE AA

TABLE AA RIGHT-TO-USE (RTU) FEATURES									
LIST	FEATURE DESCRIPTION	NOTE	RATING	MARKET-ABLE ITEMS	STARS CODE	SCURDY (YES)	FEAT ID	PREREQ REQ RTU	APPL RTU PER
7,M5	DAT TAPE DATA FOR ADMINISTRATION MODULE (5E13) - (AM) (CDX ONLY)	54	DA		GCL3				
7,M6	DAT TAPE DATA FOR SWITCHING MODULE (5E13) - (SM) (CDX ONLY)	54	DA		GCL3	@			
7,M7	DAT TAPE FOR THE OPERATING SYSTEM AND EMULATOR SOFTWARE (5E13) (VCDX ONLY)	54	DA		G13A				
7,M8	TAPE OPERATING PROGRAM (5E13) (TOP) (VCDX ONLY)	54	DA		G13B				
7,M9	TEXT DATA FOR ADMINISTRATION MODULE (5E13) (AM) (VCDX ONLY)	54	DA		G13C				
7,M10	TEXT DATA FOR SWITCHING MODULE (5E13) (SM) (VCDX ONLY)	54	DA		G13D				
3,M11	OSPS ADMINISTRATIVE PROCESSOR (OSPSAP) (CDX ONLY)	54	DA		OS13				
A,M12	AMA BILLING TEST DATA (CDX ONLY)	54	DA		AB13				
9,M13	DAT TAPE FOR AMA BILLING TEST DATA (CDX ONLY)	54	DA		AC13				
9,M14	DAT TAPE FOR OSPS ADMINISTRATIVE PROCESSOR -2 (OSPS OAP-2) (CDX ONLY)	54	DA		SO13				
1,MA	OFFICE DEPENDENT DATA (ODD)-(SLATTS) (CDX ONLY)	54,55,56	DA		OD00 TO 14				
1,MB	OFFICE DEPENDENT DATA (ODD) - FULLS (CDX ONLY)	54,55,56	DA		OD00 TO 14				
B,MC	RETROFIT TO 5E13 (CDX ONLY)	54,55,56,151	DA		EC00 TO 14				
7,MD	DAT TAPE FOR THE OFFICE DEPENDENT DATA (ODD) FOR ADMINISTRATION MODULE (AM) (VCDX ONLY)	54,55	DA		DO00 TO 14				
7,ME	DAT TAPE FOR THE OFFICE DEPENDENT DATA (ODD) FOR SWITCHING MODULE (SM) (VCDX ONLY)	54	DA		DO00 TO 14	@			
7,MF	DAT TAPE FOR OFFICE DEPENDENT DATA (ODD) - SLATTS (CDX ONLY)	54,55,56	DA		DO00 TO 09				
7,MG	DAT TAPE FOR OFFICE DEPENDENT DATA (ODD) - FULLS (CDX ONLY)	54,55,56	DA		DO00 TO 09				
10,MH	DAT TAPE FOR RETROFIT TO 5E13 (CDX ONLY)	54,55,56,151	DA		CE00 TO 14				
MZE	OPERATING SYSTEM PORTION OF THE BASE GENERIC SFTW 5E13. THIS LIST IS REQ'D ON ONLY THE FIRST 10 SM'S/	57,72,153,194	DA	MBAS13CR	5E13			MZF	SM/Slice (MAX 10 PER SW)

*** CONTINUED ***

** CONTINUED **
TABLE AA

TABLE AA RIGHT-TO-USE (RTU) FEATURES									
LIST	FEATURE DESCRIPTION	NOTE	RATING	MARKET-ABLE ITEMS	STARS CODE	SCURDY (YES)	FEAT ID	PREREQ REQ RTU	APPL RTU PER
	SLICE OF EVERY SWITCH								
MZF	BASE APPLICATION SYSTEM PORTION OF THE BASE GENERIC SOFTWARE 5E13. THIS LIST IS REQ'D ON ONLY THE FIRST 10 SM'S/SLICE OF EVERY SWITCH.	51,57,153,174,194	DA	MBAS13RT	5E13			MZE	SM/Slice (MAX 10 PER SW)
MZG	OPERATING SYSTEM PORTION OF THE CUSTOMER PREMISES SOFTWARE THIS LIST IS REQ'D ON ONLY THE FIRST 10 SM'S/SLICE OF EVERY SWITCH USED AS CUSTOMER PREMISE EQPT	57,65,72	DA	MCPE7CRT	5E13			MZF	SM/Slice (MAX 10 PER SW)
MZH	BASE APPLICATION PORTION OF THE CUSTOMER PREMISES SOFTWARE THIS LIST IS REQ'D ON ONLY THE FIRST 10 SM'S/SLICE OF EVERY SWITCH USED AS CUSTOMER PREMISE EQPT	57,65,72,153	DA	MCPE7RTU	5E13			MZG	SM/Slice (MAX 10 PER SW)
MZK	PLATFORM UPGRADE PACKAGE FROM 5E12 TO 5E13 RETROFIT	51,57	DA	CPUP13	PUP5			--	SW
NSB	BELLCORE MARCH SYSTEM FOR 5E13 (INITIAL ORDERS ONLY)	51	DA	MMARCH13	MS13	@		--	SW
NSC	BELLCORE MARCH SYSTEM UPDATE FOR 5E13 (RETROFIT ORDERS ONLY)	51	DA	MMARCH13U	MU13			--	SW
NSD	BELLCORE CCRS SYSTEM FOR 5E13 (INITIAL ORDERS ONLY)	51	DA	MCCRS13	CS13			--	SW
NSE	BELLCORE CCRS SYSTEM UPDATE FOR 5E13 (RETROFIT ORDERS ONLY)	51	DA	MCCRS13U	CU13			--	SW
NSF	BELLCORE NMA SWITCH SYSTEM FOR 5E13 (INITIAL ORDERS ONLY)	51	DA	MNMASW13	NM13			--	SW
NSG	BELLCORE NMA SWITCH SYSTEM UPDATE FOR 5E13 (RETROFIT ORDERS ONLY)	51	DA	MNMASW13U	NU13			--	SW

TABLE AB

TABLE AB		
BLANK TAPES REQUIRED WHEN RETROFITTING TO 5E13		
NO. OF SM'S	*QTY L-5/11	NUMBER OF 'TOTAL TAPES' BLANK MAGNETIC TAPES REQUIRED
1-15	1	3
16-35	2	6
36-55	3	9
56-75	4	12
76-95	5	15
96-115	6	18
116-135	7	21
136-155	8	24
156-175	9	27
176-192	10	30

* LIST 5 - 9-TRACK TAPES
LIST 11 - DAT TAPES

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RT13
5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
5ESS COMPACT DIGITAL EXCHANGE (CDX)
AND 5ESS VERY COMPACT DIGITAL
EXCHANGE (VCDX)
FOR U.S. APPLICATIONS FOR SOFTWARE
RELEASE 5E13

DWG SIZE C2 ISSUE 5

J5D052F-1

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TABLE AC

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HOW ARE WE DOING?

DOCUMENT TITLE: 5ESS SWITCH

DOCUMENT NUMBER: J5D052F-1

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RT13

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SPECIFICATION FOR
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