

ENGINEERING NOTES

***** CONTINUED *****

- 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 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 OS 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 CURENTLY 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 GENERICS. 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

CONTINUED ON NEXT SHEET

ENGINEERING NOTES

***** CONTINUED *****

92. IN ORDER TO IMPLEMENT SSP/800 SERVICE, THE SERVICE SWITCHING 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-1. 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-1 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-1. 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-1. 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 J5D052B-1 L-1
E/W
1 L-M2
S 1 J5D052B-1 L-2
E/W
1 L-M1
21 L-NAES
21 L-MAGS
S 1 J5D052B-1 L-1
E/W
1 L-M3
S 1 J5D052B-1 L-1
E/W
1 L-MB
S 1 J5D052B-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 OR RETROFIT ORDER).
(B). WHEN RETROFITTING MZF(R) AND MZH(R) TO THE NEXT HIGHER LEVEL SOFTWARE RELEASE, LIST MZF(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

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 J5D052B-1 L-1
E/W
1 L-M2
S 1 J5D052B-1 L-2
E/W
L-M1
S 1 J5D052B-1 L-1
E/W
L-M3
S 1 J5D052B-1 L-1
E/W
L-MA
S 1 J5D052B-1 L-1
E/W
L-MB
S 13 J5D052B-1 L-MAGR
S 13 J5D052B-1 L-MDER
 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-1) FOR MLPP CAPABILITY.
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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 5E9(2)

DWG SIZE C2 ISSUE 7

ENGINEERING NOTES

***** CONTINUED *****

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.

ENGINEERING NOTES

***** CONTINUED *****

- IN ORDER TO RECOVER THE DEVELOPMENT FUNDING AT&T PROVIDES TO BELLCORE TO ENSURE THAT BELLCORE OS PRODUCTS CONTINUE TO SUPPORT AT&T SOFTWARE 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, 1993, THE 5ESS SWITCH SOFTWARE SUPPORT PLAN PRODUCT RATINGS FOR THE 5E9.2 SOFTWARE RELEASE ARE AS FOLLOWS:
- | RELEASE | PROPOSED DATES | SOFTWARE PRODUCT RATING |
|---------|----------------|---------------------------|
| 5E9(2) | 11/94 | STANDARD |
| | 4TH QTR/95 | ADDITIONS AND MAINTENANCE |
| | 4TH QTR/96 | LIMITED AVAILABILITY |
| | 4TH QTR/97 | 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. ORDER LIST MZF ONLY FOR THE 5E8 TO 5E9.2 RETROFIT.
198. THE AIMS RETROFIT TOOL (ART) USES THE PRE-FORMATTED MESSAGING CAPABILITY OF THE ADVANCED INTERACTIVE MAINTENANCE SYSTEM (AIMS) RELEASE 2 PRODUCT TO ASSIST IN THE PERFORMANCE OF 5ESS RETROFITS. AIMS IS A NEW AT&T PRODUCT THAT UTILIZES A PC AND SOFTWARE TO PROVIDE ENHANCED TERMINAL INTERACTION FEATURES. THE ART TOOL PROVIDES THE FOLLOWING BENEFITS:
 - REDUCES THE LENGTH OF TIME CUSTOMERS SPEND ON RETROFITS
 - REDUCES THE NUMBER OF CUSTOMER ERRORS FROM MIS-TYPING OR SKIPPING STEPS
 THE ART TOOL CAN ONLY BE RUN ON THE ADVANCED INTERACTIVE MAINTENANCE SYSTEM (AIMS) RELEASE 2 PLATFORM. AIMS RELEASE 2 SOFTWARE IS ORDERABLE FROM CIC; SELECT CODE 193-102-102 OR COMCODE #106788458. THE TURNKEY AIMS PRODUCT (PC AND SOFTWARE) IS AVAILABLE VIA SELECT CODE 193-102-504 OR COMCODE 106816796. THE ART TOOL WILL WORK FOR RETROFITS FROM 5E9.1 TO 5E9.2. THE ART TOOL IS PROVIDED ON 3 1/2 OR 5 1/4 DISKETTES, IS SOURCED ON THE NETWORK SOFTWARE CENTER (NWQ), AND IS PROVIDED BY THE LIVE OFFICE TRANSITION SUPPORT GROUP.
 EACH OFFICE WILL REQUIRE ITS OWN ART TOOL DISKETTE. THE SCRIPT DISKETTES WILL BE SHIPPED WITH THE RETROFIT TAPES. THE SOFTWARE ENGINEER SHOULD SCHEDULE SHIPMENT OF THE ART TOOL TO CORRESPOND WITH SHIPMENT OF FINAL RETROFIT TAPES.
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 AT&T TCAP PROTOCOL THAT WAS DEVELOPED FOR 891 CARD VALIDATION USING BELLCORE DEFINED PROTOCOLS (LIST MMY). AT THIS TIME BOTH FEATURES CANNOT BE TURNED ON SIMULTANEOUSLY UNTIL THE AILS FEATURE IS CLEANED UP IN 5E10 SOFTWARE RELEASE.
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ENGINEERING NOTES

***** CONTINUED *****

- MAE() EXTENDED NETWORK MANAGEMENT
 MEM() LOCAL TRAFFIC CHANNEL
 THESE LISTS ARE NOT ORDERABLE SEPARATELY WITH 5E7 AND LATER SOFTWARE RELEASES.
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-AT&T OS PRODUCTS
 2) AT RETROFIT OF EXISTING NON-AT&T OS PRODUCT FROM ONE SOFTWARE RELEASE TO NEXT HIGHER LEVEL SOFTWARE RELEASE
 THIS FEE IS PASSED THROUGH TO LECS USING A NON-AT&T OS PRODUCT,
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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 5E9(2)

DWG SIZE C2
 ISSUE 7

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	
ONE BLANK MAGNETIC TAPE (FULL REEL) 9 TRACK, 6250 BPI.			1									
ONE BLANK MAGNETIC TAPE (MINI REEL) 9 TRACK, 6250 BPI.			2									
FOUR DOUBLE-SIDED, DOUBLE DENSITY, 96 TRACK PER INCH, 5 1/4 INCH DISKETTES.			3									
ONE DOUBLE-SIDED, HIGH DENSITY, 135 TRACK PER INCH, 3 1/2 INCH DISKETTES.			4									
THREE BLANK MAGNETIC TAPES REQUIRED WHEN RETROFITTING THE 5E9(1) GENERIC (SEE TABLE AB) (6250 BPI).			5									
ONE DOUBLE-SIDED, DOUBLE DENSITY, 96 TRACK PER INCH, 5 1/4 INCH DISKETTES.			6									
ONE (1) BLANK 4MM DIGITAL AUDIO TAPE (DAT) CARTRIDGE.			7									
TWO BLANK MAGNETIC TAPES (FULL REEL) 9 TRACK, 6250 BPI.			8									
ONE (1) BLANK 4MM DIGITAL AUDIO TAPE (DAT) CARTRIDGE.			9									
TWO (2) BLANK 4MM DIGITAL AUDIO TAPE (DAT) CARTRIDGE.			10									
THREE (3) BLANK 4MM DIGITAL AUDIO TAPE (DAT) CARTRIDGE.			11									
ONE BLANK MAGNETIC TAPE (MINI REEL) 9 TRACK, 6250 BPI.			A									
TWO BLANK MAGNETIC TAPES (FULL REEL) 9 TRACK, 6250 BPI.			B									
REQUIRED IN ADDITION TO LIST 4 OR LIST 6 FOR THE AIMS RETROFIT TOOL (ART). ART USES THE PRE-FORMATTED MESSAGING CAPABILITY OF THE ADVANCED INTERACTIVE MAINTENANCE SYSTEM (AIMS) RELEASE 2 PRODUCT TO ASSIST IN THE PERFORMANCE OF 5ESS RETROFITS. AIMS IS A NEW AT&T PRODUCT USED TO REPLACE AN MCC, OR ANY OTHER 5ESS TERMINAL, WITH A PC AND SOFTWARE THAT PROVIDE ENHANCED TERMINAL INTERACTION FEATURES. DA EFF:06/30/95 FE/RA:NONE	198	DA	C	1	TP-5D052B-OC (02.00) VOL.1							
REQUIRED IN ADDITION TO LIST 2 FOR THE 5E9(2) GENERIC (TOP) TAPE OPERATING PROGRAM. (CDX ONLY)	54 56 73		M1	1	TP-5D052B-01 (02.00) VOL.1							
REQUIRED IN ADDITION TO LIST 8 FOR THE TEXT DATA FOR ADMINISTRATION MODULE (AM) GENERIC PROGRAM. (REQUIRED ONCE PER OFFICE). (CDX ONLY)	54 56 64 73		M2	1	TP-5D052B-02 (02.00) VOL.1							
				1	TP-5D052B-02 (02.00) VOL.2							
REQUIRED IN ADDITION TO LIST 1 FOR THE TEXT DATA FOR (SM) SWITCHING MODULE GENERIC PROGRAM. (REQUIRED ONCE PER OFFICE). (CDX ONLY)	54 56 64 73		M3	1	TP-5D052B-03 (02.00) VOL.1							
REQUIRED IN ADDITION TO LIST 7, DAT TAPE FOR THE 5E9(2) GENERIC (TOP) TAPE OPERATING PROGRAM. (CDX ONLY)	54 56		M4	1	TP-5D052B-04 (02.00) VOL.1							
REQUIRED IN ADDITION TO LIST 7, DAT TAPE FOR THE TEXT DATA FOR ADMINISTRATION MODULE (AM) GENERIC 5E9(2) PROGRAM. (REQUIRED ONCE PER OFFICE). (CDX ONLY)	54 56		M5	1	TP-5D052B-05 (02.00) VOL.1							

TABLE-A CONTINUED

J5D052B-1

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	
REQUIRED IN ADDITION TO LIST 7, DAT TAPE FOR THE TEXT DATA FOR SWITCHING MODULE (SM) GENERIC 5E9(2) PROGRAM. (REQUIRED ONCE PER OFFICE). (CDX ONLY)	54 56		M6	1	TP-5D052B-06 (02.00) VOL.1							
REQUIRED IN ADDITION TO LIST 10, DAT TAPE FOR THE OPERATING SYSTEM AND EMULATOR SOFTWARE RELEASE 5E9(2) FOR THE VERY COMPACT DIGITAL EXCHANGE (VCDX) SWITCH. (VCDX ONLY)	54		M7	1	TP-5D052B-07 (02.00) VOL.1							
				1	TP-5D052B-07 (02.00) VOL.2							
REQUIRED IN ADDITION TO LIST 7, DAT TAPE FOR THE (TOP) TAPE OPERATING PROGRAM SOFTWARE RELEASE 5E9(2) FOR THE VERY COMPACT DIGITAL EXCHANGE (VCDX) SWITCH. (VCDX ONLY)	54		M8	1	TP-5D052B-08 (02.00) VOL.1							
REQUIRED IN ADDITION TO LIST 7, DAT TAPE FOR THE TEXT DATA FOR ADMINISTRATION MODULE (AM) SOFTWARE RELEASE 5E9(2) FOR THE VERY COMPACT DIGITAL EXCHANGE (VCDX) SWITCH. (VCDX ONLY)	54		M9	1	TP-5D052B-09 (02.00) VOL.1							
REQUIRED IN ADDITION TO LIST 7, DAT TAPE FOR THE TEXT DATA FOR SWITCHING MODULE (SM) SOFTWARE RELEASE 5E9(2) FOR THE VERY COMPACT DIGITAL EXCHANGE (VCDX) SWITCH. (VCDX ONLY)	54		M10	1	TP-5D052B-10 (02.00) VOL.1							
REQUIRED IN ADDITION TO LIST 3 FOR THE (OSPSAP) OSPS ADMINISTRATIVE PROCESSOR SOFTWARE. (CDX ONLY)	54 166 171		M11	1	TP-5D052B-11 (ZZ.ZZ) VOL.1							
				1	TP-5D052B-11 (ZZ.ZZ) VOL.2							
				1	TP-5D052B-11 (ZZ.ZZ) VOL.3							
				1	TP-5D052B-11 (ZZ.ZZ) VOL.4							
REQUIRED IN ADDITION TO LIST A FOR THE AMA BILLING TEST DATA MEMORY. (CDX ONLY)	54 99		M12	1	TP-5D052B-12 (ZZ.ZZ) VOL.1							
REQUIRED IN ADDITION TO LIST 9, DAT TAPE FOR THE AMA BILLING TEST DATA MEMORY. (CDX ONLY)	54 99		M13	1	TP-5D052B-13 (ZZ.ZZ) VOL.1							
REQUIRED IN ADDITION TO LIST 9, DAT TAPE FOR THE (OSPS OAP-2) OSPS ADMINISTRATIVE PROCESSOR-2 SOFTWARE. (CDX ONLY)	54 166 171 251		M14	1	TP-5D052B-14 (ZZ.ZZ) VOL.1							
REQUIRED IN ADDITION TO LIST 1 FOR THE OFFICE DEPENDENT DATA (ODD) SLATTS. (INITIAL OFFICE). (CDX ONLY)	54 55 56		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)	54 55 56		MB	1	TP-ODD-XXXX-YY- ZZ (FULLS)							

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5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
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RELEASE 5E9(2)

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TABLE A-FEATURES (CONTINUED)

EQUIPMENT		REF NOTE	RAT-ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA				SD EQUIVALENT		
DESCRIPTION	QTY				EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
REQUIRED IN ADDITION TO LIST B TO PROVIDE "AM ODD", "EVOLVED ECD", "SM ODD" AND "VTOC" FOR RETROFIT TO GENERIC 5E9(2). PROVIDES 63/66 TAPE. (2 COPIES REQUIRED). (CDX ONLY)	54 55 56 151		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)	54 55		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)	54 55		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)	54 55 56		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)	54 55 56		MG	1	TP-DOD-XXXX-YY-ZZ (FULLS)						
REQUIRED IN ADDITION TO LIST 10, DAT TAPE TO PROVIDE "AM ODD", "EVOLVED ECD", "SM ODD" AND "VTOC" FOR RETROFIT TO GENERIC 5E9(2). (2 COPIES REQUIRED) (CDX ONLY)	54 55 56 151		MH	1	TP-CED-XXXX-YY-ZZ (EVOLVED ECD)						
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MAG								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MAH								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MAJ								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MAK								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MAL								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MAM								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MAN								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MAP								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MAQ								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MAR								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MAS								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MAT								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MAV								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MAW								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MAX								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MAY								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MBD								

TABLE-A CONTINUED

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TABLE A-FEATURES (CONTINUED)

EQUIPMENT		REF NOTE	RAT-ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA				SD EQUIVALENT		
DESCRIPTION	QTY				EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MBE							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MBF							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MBG							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MBY							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MBZ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MCA							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MCB							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MCC							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MCD							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MCE							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MCF							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MCG							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MCH							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MCJ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MCP							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MCR							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MCS							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MCT							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MCU							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MCV							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MCW							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MDB							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MDC							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MDD							

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TABLE A-FEATURES (CONTINUED)											
EQUIPMENT		REF NOTE	RAT-ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA				SD EQUIVALENT		
DESCRIPTION	QTY				EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MDE							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MDF							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MDG							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MDK							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MDL							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MDM							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MDN							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MDO							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MDP							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MDQ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MDR							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MDT							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MDU							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MDV							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MDW							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MDX							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MDY							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MDZ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MEP							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MEQ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MER							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MES							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MET							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MEU							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MEV							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MEW							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MEX							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MEY							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MEZ							
SEE MISCELLANEOUS TABLE AA. DA EFF:05/01/95 FE:J5D008Q-1, LNZZ APPCODES:R,S			DA	MFK							

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TABLE A-FEATURES (CONTINUED)											
EQUIPMENT		REF NOTE	RAT-ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA				SD EQUIVALENT		
DESCRIPTION	QTY				EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MHB							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MHC							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MHD							
SEE MISCELLANEOUS TABLE AA. APPCODES:U				MHF							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MHG							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MHH							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MHJ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MHK							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MHL							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MHM							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MIA							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MIB							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MIC							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MID							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MIE							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MIF							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MIG							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MIH							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MIJ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MIK							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MIL							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MIM							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MIN							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MIP							

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TABLE A-FEATURES (CONTINUED)											
EQUIPMENT		REF NOTE	RAT-ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA				SD EQUIVALENT		
DESCRIPTION	QTY				EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MIQ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MIR							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MIS							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MIX							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MIY							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MIZ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MKA							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MKB							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MKC							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MKD							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MKE							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MKF							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MKG							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MKH							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MKJ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MKK							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MKL							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MKM							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MKN							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MKO							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MKP							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MKQ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MKR							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MKS							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MKT							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MKU							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MKV							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MKW							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MKX							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MKY							

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TABLE A-FEATURES (CONTINUED)											
EQUIPMENT		REF NOTE	RAT-ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA				SD EQUIVALENT		
DESCRIPTION	QTY				EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MKZ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MLA							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MLB							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MLC							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MLD							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MLE							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MLF							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MLG							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MLH							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MLJ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MLK							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MLL							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MLM							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MLN							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MLP							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MLQ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MLR							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MLS							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MLT							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MLU							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MLV							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MLW							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MLX							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MLY							

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TABLE A-FEATURES (CONTINUED)											
EQUIPMENT		REF NOTE	RAT-ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA				SD EQUIVALENT		
DESCRIPTION	QTY				EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MMA							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MMB							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MMC							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MMD							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MME							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MMF							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MMG							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MMK							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MMN							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MMP							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MMQ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MMR							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MMS							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MMT							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MMU							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MMV							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MMW							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MMX							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MMY							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MMZ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MNA							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MNB							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MNC							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MND							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MNE							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MNF							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MNG							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MNH							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MNI							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MNJ							

TABLE-A CONTINUED

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TABLE A-FEATURES (CONTINUED)											
EQUIPMENT		REF NOTE	RAT-ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA				SD EQUIVALENT		
DESCRIPTION	QTY				EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MNK							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MNL							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MNM							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MNN							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MNP							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MNQ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MNR							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MNS							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MNT							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MNU							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MNV							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MNW							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MNX							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MNY							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MSA							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MSC							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MSD							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MTA							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MTB							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MTC							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MTF							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MTG							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MTI							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MTJ							

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TABLE A-FEATURES (CONTINUED)											
EQUIPMENT		REF NOTE	RAT-ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA				SD EQUIVALENT		
DESCRIPTION	QTY				EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MTK							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MTL							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MTM							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MTN							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MTO							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MTP							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MTQ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MTR							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MTS							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MTT							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MTV							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MTX							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MTY							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MTZ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUA							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUB							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUC							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUD							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUE							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUF							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUG							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUH							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUI							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUJ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUK							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUL							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUM							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUN							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUO							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUP							

TABLE-A CONTINUED

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TABLE A-FEATURES (CONTINUED)											
EQUIPMENT		REF NOTE	RAT-ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA				SD EQUIVALENT		
DESCRIPTION	QTY				EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUQ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUR							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUS							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUT							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUU							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUV							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUW							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUX							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUY							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MUZ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MVA							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MVB							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MVC							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MVD							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MVE							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MVG							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MVH							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MVK							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MVL							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MVM							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MVN							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MVP							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MVQ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				MVR							

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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
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MVS								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MVT								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MVU								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MVV								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MVW								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MVX								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MVY								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MVZ								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MWA								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MWB								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MWC								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MWD								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MWE								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MWF								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MWG								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MWH								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MWJ								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MWK								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MWL								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MWM								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MWN								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MWP								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MWQ								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MWS								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MWT								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MWU								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MWV								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MWW								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MWX								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MWY								

TABLE-A CONTINUED

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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
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MWZ								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MXA								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MXB								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MXC								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MXD								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MXF								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MXG								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MXH								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MXI								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MXJ								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MXK								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MXL								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MXM								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MXN								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MXO								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MXP								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MXQ								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MXR								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MXS								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MXT								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MXU								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MXV								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MXW								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MXX								

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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
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MXV								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MXZ								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MYA								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MYB								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MYC								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MYD								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MYE								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MYF								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MYG								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MYH								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MYI								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MYJ								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MYK								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MYL								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MYM								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MYN								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MYO								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MYP								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MYQ								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MYR								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MYT								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MYU								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MYV								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MYW								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MYX								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MYZ								
SEE MISCELLANEOUS TABLE AA. APPCODES:R			MZE								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MZF								
SEE MISCELLANEOUS TABLE AA. APPCODES:R			MZG								

TABLE-A CONTINUED

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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
SEE MISCELLANEOUS TABLE AA. APPCODES:R			MZH								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MZM								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MZN								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MZO								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			MZP								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NAA								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NAB								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NAC								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NAD								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NAE								
SEE MISCELLANEOUS TABLE AA. DA EFF:05/01/95 FE/RA:NONE APPCODES:R,S		DA	NAR								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NAS								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NAV								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NAW								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NAX								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NAY								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NBA								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NBB								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NBC								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NBE								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NCA								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NCB								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NCC								

TABLE-A CONTINUED

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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
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NCD								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NCE								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NCF								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NCG								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NCH								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NCI								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NCJ								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NCK								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NCL								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NCM								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NCN								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NCO								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NCP								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NCR								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NCS								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NCT								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NCU								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NCW								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NCX								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NCY								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NCZ								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NDD								
SEE MISCELLANEOUS TABLE AA. APPCODES:S			NDE								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NDF								
SEE MISCELLANEOUS TABLE AA. APPCODES:S			NDG								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NDH								
SEE MISCELLANEOUS TABLE AA. APPCODES:S			NDJ								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NDK								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NEA								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NEB								

TABLE-A CONTINUED

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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
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NFA								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NFB								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NFC								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NFD								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NFE								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NFF								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NFG								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NFH								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NFJ								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NFK								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NFL								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NFM								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NFN								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NFO								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NFP								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NGA								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NGB								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NGC								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NGD								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NHA								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NHB								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NHC								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NHE								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NHF								

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TABLE A-FEATURES (CONTINUED)											
EQUIPMENT		REF NOTE	RAT-ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA				SD EQUIVALENT		
DESCRIPTION	QTY				EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NHG							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NIJ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NIL							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NIP							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NIQ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NIR							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NIS							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NIT							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NIU							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NIV							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NJA							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NKC							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NLA							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NLB							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NMA							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NMB							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NPA							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NPB							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NPC							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NPD							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NPE							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NPF							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NPG							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NPH							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NPI							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NPJ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NPK							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NPL							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NPP							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NPQ							

TABLE-A CONTINUED

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TABLE A-FEATURES (CONTINUED)											
EQUIPMENT		REF NOTE	RAT-ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA				SD EQUIVALENT		
DESCRIPTION	QTY				EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NPS							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NQA							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NRT							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NSA							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NSI							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NTF							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NTG							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NUA							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NUB							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NVA							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NVB							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NVC							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NVD							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NVE							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NVF							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NVG							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NVH							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NVI							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NVJ							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NVK							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NVL							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S				NVM							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S		DA		NWB							

TABLE-A CONTINUED

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5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
5ESS COMPACT DIGITAL EXCHANGE (CDX) AND
5ESS VERY COMPACT DIGITAL EXCHANGE (VCDX)
FOR U.S. APPLICATIONS FOR SOFTWARE
RELEASE 5E9(2)

DWG SIZE C2 ISSUE 7

AT&T

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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
SEE MISCELLANEOUS TABLE AA. DA EFF:06/30/95 FE:J5D052B-1, LNWH APPCODES:R,S		DA	NWC								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NWD								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NWF								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NWG								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NWH								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NXB								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NXC								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NXD								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NXE								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NXF								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NXG								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NXH								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NXI								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NXJ								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NXK								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NXL								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NXM								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NXO								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NXP								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NXQ								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NXR								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NXS								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NXT								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NXU								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NXV								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NXW								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NXY								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NXZ								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NYA								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NZA								

TABLE-A CONTINUED

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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
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NZB								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NZC								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NZD								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NZE								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NZF								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NZG								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NZH								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NZI								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NZJ								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NZK								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NZL								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NZM								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NZN								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NZO								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NZP								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NZQ								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NZR								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NZS								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NZT								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NZU								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			NZV								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			PAA								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			PBA								
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			PDA								

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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
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			PDB							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			PDC							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			PDD							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			PDE							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			PDH							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			PEA							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			PEB							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			PEC							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			PED							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			PEE							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			PEF							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			PFA							
SEE MISCELLANEOUS TABLE AA. APPCODES:R,S			PHA							
END OF TABLE-A										

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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 POLAROID			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.			5 7	
1070	10	2	407131747		TAPE, MAGNETIC #84-9801-9344-9 (4 MM) 3M CO.			4 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 5	
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).	

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 (5E9.2) (TOP) (CDX ONLY)	54			T92				
8,M2	TEXT DATA FOR ADMINISTRATION MODULE (5E9.2) - (AM) (CDX ONLY)	54			G92				
1,M3	TEXT DATA FOR SWITCHING MODULE (5E9.2) - (SM) (CDX ONLY)	54			G92				
7,M4	DAT TAPE OPERATING PROGRAM	54			TC92				

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5ESS SWITCHING EQUIPMENT SPECIFICATION FOR 5ESS COMPACT DIGITAL EXCHANGE (CDX) AND 5ESS VERY COMPACT DIGITAL EXCHANGE(VCDX) FOR U.S. APPLICATIONS FOR SOFTWARE RELEASE 5E9(2)	
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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
	(5E9.2) - (TOP) (CDX ONLY)								
7,M5	DAT TAPE DATA FOR ADMINISTRATION MODULE (5E9.2) - (AM) (CDX ONLY)	54			GC92				
7,M6	DAT TAPE DATA FOR SWITCHING MODULE (5E9.2) - (SM) (CDX ONLY)	54			GC92				
10,M7	DAT TAPE FOR THE OPERATING SYSTEM AND EMULATOR SOFTWARE (5E9.2) (VCDX ONLY)	54			G92A				
7,M8	TAPE OPERATING PROGRAM (5E9.2) (TOP) (VCDX ONLY)	54			G92B				
7,M9	TEXT DATA FOR ADMINISTRATION MODULE (5E9.2) (AM) (VCDX ONLY)	54			G92C				
7,M10	TEXT DATA FOR SWITCHING MODULE (5E9.2) (SM) (VCDX ONLY)	54			G92D				
3,M11	OSPS ADMINISTRATIVE PROCESSOR (OSPSAP) (CDX ONLY)	54			OS92				
A,M12	AMA BILLING TEST DATA (CDX ONLY)	54			AB92				
9,M13	DAT TAPE FOR AMA BILLING TEST DATA (CDX ONLY)	54			AC92				
9,M14	DAT TAPE FOR OSPS ADMINISTRATIVE PROCESSOR -2 (OSPS OAP-2) (CDX ONLY)	54			SO92				
1,MA	OFFICE DEPENDENT DATA (ODD)-(SLATTS) (CDX ONLY)	54,55, 56			OD00 TO 14				
1,MB	OFFICE DEPENDENT DATA (ODD) - FULLS (CDX ONLY)	54,55, 56			OD00 TO 14				
B,MC	RETROFIT TO 5E9.2 (CDX ONLY)	54,55, 56,151			EC00 TO 14				
7,MD	DAT TAPE FOR THE OFFICE DEPENDENT DATA (ODD) FOR ADMINISTRATION MODULE (AM) (VCDX ONLY)	54,55			OD00 TO 14				
7,ME	DAT TAPE FOR THE OFFICE DEPENDENT DATA (ODD) FOR SWITCHING MODULE (SM) (VCDX ONLY)	54			OD00 TO 14				
7,MF	DAT TAPE FOR OFFICE DEPENDENT DATA (ODD) - SLATTS (CDX ONLY)	54,55, 56			DO00 TO 14				
7,MG	DAT TAPE FOR OFFICE DEPENDENT DATA (ODD) - FULLS (CDX ONLY)	54,55, 56			DO00 TO 14				
10,MH	DAT TAPE FOR RETROFIT TO 5E9.2) (CDX ONLY)	54,55, 56,151			CE00 TO 14				
MAG	REVERTIVE PULSING	51,57		REVPUL	RP			--	SM
MAH	SUB ACCOUNT BILLING PER	51,57		OSABPSM	SABF			MAM	PSM

*** CONTINUED ***

** CONTINUED **
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
	POSITION SWITCHING MODULE (PSM)	83							
MAJ	OSPS DIRECTORY ASSISTANCE (DA)	51,57		OSPDART	DA			MAL	POS
MAK	BASIC NAILUP	51,57		BNAILRT	BN			--	SM
MAL	OSPS AUTOMATIC CALL DISTRIBUTOR (ACD)	51,57 98		OSACRTU	ACD			MIA	POS
MAM	OSPS TOLL ASSISTANCE AND COIN	51,57		OSPCTRT	OTA			MAL,MKE	POS
MAN	OSPS AUTOMATED MULTI-LEAF INTERFACE	51,57 97		AUMULRT	OAMI			MAM	POS
MAP	OSPS AUTOQUOTE SERVICE	51,57 97		AURATRT	OAQS			MAM	POS
MAQ	OSPS FORCE MANAGEMENT SYSTEM (FMS) INTERFACE	51,57 97		FMGTRTU	OFMS			MAM OR MAJ OR MMG	POS
MAR	OSPS INTERFACE	51,57		OSINFRT	OIF			MAN,MIG	PRI
MAS	TOLL ASSIST (TA) ENHANCEMENTS PER POSITION	51,57 164		OSACCEX	TAEF			MAM,MDG	POS
MAT	0+/0- DIFFERENTIAL	51,57 163		OSRTDRT	RDF	Y	2	MAM	POS
MAV	CUSTOMER ACCOUNT SERVICES (CAS) RELEASE 1	51,57 88		OSCAS1	CAS1			MAM	POS
MAW	CUSTOMER ACCOUNT SERVICES (CAS) RELEASE 2	51,57 88		OSCAS2	CAS2			MAM,MAV	POS
MAX	OSPS FULLY CODED ADDRESSING	51,57 88		OSFULAD	OFCA			MAM	SW
MAY	OSPS SUB ACCOUNT BILLING	51,57 83		OSSACBL	OSAB			--	POS
MBD	ENHANCED 911 (E911)	51,57 163		E911	E91E	Y	61	--	SW
MBE	DUAL POINT CODE	51,57		DUALPC	DCCO			--	SW
MBF	FULL POINT CODE ROUTING	51,57 163		FPCRRTU	FPCR	Y	132	--	SW
MBG	E-LINK ACCESS AND ALTERNATE A-LINK SET ROUTING	51,57 163		ELINKRT	ELAA	Y	131	--	SW
MBY	MIS LG PLATFORM REL UPG 9.1.3 & UP RTU	51		MLMISUP	MLGP				MIS
MBZ	AIU LG PLATFORM REL UPG 9.2 & UP RTU	51		MLAIUUP	ALGP				AIU
MCA	REMOTE SW MODULE (RSM) BASIC	51,57		BRSM	RSM			--	SM PER RSM SITE
MCB	REMOTE SW MODULE (RSM) STAND ALONE	51,57		SRSM	RSMS			MCA	SM PER RSM SITE
MCC	OPTICALLY REMOTE MODULE (ORM) BASIC	51,57		ORMRTU	ORM			--	SM PER OSM SITE
MCD	OPTICALLY REMOTE MODULE (ORM) STAND ALONE	51,57		ORMSART	OSA			MCC	SM PER OSM SITE

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5ESS SWITCHING EQUIPMENT SPECIFICATION FOR 5ESS COMPACT DIGITAL EXCHANGE (CDX) AND 5ESS VERY COMPACT DIGITAL EXCHANGE (VCDX) FOR U.S. APPLICATIONS FOR SOFTWARE RELEASE 5E9(2)	
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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
MCE	AUTOMATIC CALCULATION OF REX SCHEDULE	51,57		AUCREXS	ACRS			--	SW
MCF	5ESS SWITCH TRUNK GROUP LIST AUDIT	51,57		TKGRPLA	TGLA			--	SW
MCG	ALLOW CRAFT TO SET AMA PERCENT FULL ALARM LEVELS	51,57		CRSPFAL	CSPF			--	SW
MCH	SOFTWARE UPDATE PROCESS AUTOMATION	51,57 163		SUPAUTO	SUPA	Y	129	MEZ	SW
MCJ	LINE TIME SLOT BRIDGING PER SWITCH	51,57		LINTSBS	LTS			--	SW
MCP	DIGITAL SERVICES UNIT 2 - INTEGRATED SERV 1ST FUNCT CAPABILITY FOR BASIC AND STANDARD SMS	51,57		ISTFRTU	DICS			--	SW
MCR	AMA TRACE ENHANCEMENTS	51,57 163		AMATERT	ATE	Y	127	--	SW
MCS	5ESS SWITCH COMMAND RESTRICTION	51,57		CMRSTR	CRF			--	SW
MCT	INTRASWITCH ANALOG LINE TRANSFER	51,57 163		IALTRTU	IALT	Y	80	--	SW
MCU	ANALOG LINE TO INTERGRATED CARRIER ON 5ESS SWITCH (ALIC-5)	51,57 163		ALIC5RT	ALIC	Y	109	--	SW
MCV	AMA CAPABILITIES FOR TYPE 2A CELLULAR INTERCONNECTIONS	51,57 163		AMA2ACE	ACT2	Y	128	--	SW
MCW	108 TEST LINE CAPACITY ENHANCEMENTS	51,57 163		TEST108	108T	Y	8	--	SW
MDB	CARRIER INTERCONNECT FOR TOLL OFFICES	51,57 81		CAINRTT	CITO			--	SM PER SITE
MDC	DIRECT SIGNALLING TO A NCP DATA BASE FOR TOLL OFFICES	51,57 67		DCIS6	DS			--	SM PER EXTD OFF
MDD	ORIGINATION SCREENING OFFICE PLUS	51,57 67,81		OSONCD	OS			--	SM PER EXTD OFF
MDE	COMMON CHANNEL SIGNALING SYS 6 & 7 TRUNK SIGNALING (CCS 6/7)	51,57 69		ECIS6CC	CS67			--	SM PER EXTD OFF
MDF	COMMON CHANNEL SIGNALING SYS 6(CCS6) TRUNK SIGNALING	51,57		ECIS6	CSS6			--	SM PER EXTD OFF
MDG	COMMON CHANNEL SIGNALING SYS 7(CCS7) TRUNK SIGNALING	53,57		CCS7RTU	CSS7			--	SM PER EXTD OFF
MDK	SERVICE SWITCHING POINT (SSP)	51,57 92,163		SSPRTU	SSP	Y	58	--	SW
MDL	TRANSACTION CAPABILITIES (TCAP)	51,57 92		TRACPRT	TCAP			--	SW
MDM	800 NUMBER SERVICE (800NS)	51,57 92		RTU800	800			--	SW
MDN	ADV SERV PLT/PRIVATE VIRTUAL NET (ASP/PVN) NETWORK ACCESS POINT	51,57 163		ASPVRTU	ASPN	Y	58	MDG	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
MDO	ADV SERV PLT/PRIVATE VIRTUAL NET (ASP/PVN) SERV SWITCHING POINT	51,57 163		ASPSRTU	ASPS	Y	58	MDG	SW
MDP	END-TO-END CALL TRACE (EECT)	51,57		ETECTRT	EECT			MDG	SM PER EXTD OFF
MDQ	Q.931/CCS7 INTERWORKING	51,57 162		CCSQRTU	CCS7			--	ISDN SM/ EXTD OFF
MDR	COMMON CHANNEL SIGNALING SYS 7(CCS7)-NETWORK INTERCONNECT	51,57		C7NIRTU	C7NI			MDG	SW
MDT	ENHANCED INWATS - TYPE BILLING ARRANGEMENTS (EITA)	51,57 163		EITARTU	EITA	Y	39	--	SW
MDU	TANDEUM ACCESS FOR INTER-LATA SEND-PAID COIN CALLS (TAISP)	51,57		TDMACC	TAIS			--	SW
MDV	FEATURE GROUP B (FGB) CARRIER IDENTIFICATION CODE (CIC) EXPANSION	51,57 163		BASFGBC	CFCE	Y	19	--	SW
MDW	ADVANCED SERVICES PLATFORM (ASP) SERV SWITCHING PT (SSP) ENHANCEMENTS	51,57 163,179		ASPSPE	ASP	Y	51	MDO	SW
MDX	COIN LINE AUTOMATIC MESSAGE ACCOUNTING (CLAMA)	51,57 163		BICLAMA	CLAM	Y	70	--	SW
MDY	800 POST DIAL DELAY MF SIGNALING RESPONSE REDUCTION	51,57 163		PDD8TDM	8PAT	Y	29	--	SW
MDZ	800 POST DIAL DELAY MF SIGNALING TRANSMISSION REDUCTION	51,57 163		PDD8EO	8PEO	Y	28	--	SW
MEP	INTERFACE TO THE MULTI-FUNCTIONAL OPERATIONS SUPPORT SYSTEM	51,57		INFMFOS	MFOS			--	SM PER SITE
MEQ	LINE TIME SLOT BRIDGING	51,57		LINTSBR	LTSB			--	SM PER SITE
MER	SELECTIVE CARRIER DENIAL	51,57 163		SCDRTU	SCD	Y	13	--	SM PER EXTD OFF
MES	ISDN OA&M FEATURE PACKAGE	51,52 57		ISDNOAM	IOAM			MIA	ISDN SM/ EXTD OFF
MET	FLEXIBLE AUTOMATIC NUMBER IDENTIFICATION	51,57 163		FANIRTU	FANI	Y	38	--	SW
MEU	MODIFIED CALLING LINE DISCONNECT PROCEDURE FOR FRAUD PROTECTION	51,57		MCLDPPF	MCLD			--	SW
MEV	CIRCUIT SWITCH TRUNK SERVICE	51,57 163		CSTSVC	CST	Y	6	MDK,MDM, MEW	SW
MEW	OPTIONAL 7/10 DIGIT OUTPULSING FOR VIRTUAL PRIVATE NETWORK	51,57 163		OUTVPAT	OXDO	Y	3	--	SW
MEX	AUTOMATIC NUMBER IDENTIFICATION (ANI) OVER PRIVATE FACILITIES	51,57 163		ANIPRIV	AOPF	Y	5	--	SW
MEY	GLOBAL RECENT CHANGE FOR LINES	51,57		GLOBRCL	GRCL			--	SW

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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
MEZ	CSCANS IMPROVEMENTS I	51,57 172		CSCANS	CBDS			--	SW
MFK	CDM CONT SW ARR - NSD	51,57 88	DA	CCSARTU	CCSS			--	SM PER SITE
MHB	DEFENSE SWITCHED NETWORK MULTIFUNCTION SWITCH (DSN-MFS)	51,57 70		AMFS4RT	DSNM			--	SM PER EXTD OFF
MHC	AUTOVON II INTERFACE - END OFFICE	51,57 71		AUT4RTU	AVII			--	SM PER EXTD OFF
MHD	AUTOVON TANDUM	51,57 91		AUTT4RT	AVT			--	SM PER EXTD OFF
MHF	AUTOVON II INTERFACE FEATURE UPDATE TO THE DEFENSE SWITCHED NETWORK MULTIFUNCTION SWITCH (DSN-MFS)	70,84		AUPRTU4	A2DS			--	SM PER EXTD OFF
MHG	AUTOVON INTERFACE UPDATE FOR ISDN ADAPTATION	51,57 96		DSN4RTU	AISN			--	ISDN SM/ EXTD OFF
MHH	AUTOVON INTERFACE-CENTREX	51,57 71		AUTC4RT	AIC			--	SM PER SITE
MHJ	ANI 6/ANI 7 ON A TRUNK GROUP OR SIMULATED FACILITIES GROUP	51,57		ANI67TK	ANI			--	SW
MHK	SPECIFYING A DIGIT ANALYSIS SELECTOR ON SIMULATED FACILITIES	51,57		SDASSFG	SDA			MBF OR MGB OR MFV	SW
MHL	INTERSWITCH SIGNALING ENHANCEMENTS	51,57 173		INSSENH	C7IU			MDG	SW
MHM	4-WIRE SUBSCRIBER ACCESS	51,57		SUBSAC4	FWSA			--	LINE OR BRI
MIA	INTEGRATED SERVICES DIGITAL NTWK ISDN I-BASIC VOICE DATA	51,57 98		ISDN1	ISDN			--	DSL
MIB	ISDN MULTIBUTTON KEY SERVICE (MBKS) BASIC	51,57 93		ISMBKRT	IMBK			--	DSL
MIC	ISDN DELUXE MULTIBUTTON KEY SERVICE	53,57 93		ISMBKDX	IDMK			--	DSL
MID	ISDN ATTENDANT SERVICES	51,57 95		ISARTU	IAS			--	DSL
MIE	ISDN ELECTRONIC DIRECTORY SERVICE	51,57 94		ISELRTU	IED			--	DSL TO THE AP AS REQD
MIF	ISDN MESSAGE SERVICE	51,57 94		ISMESRT	IMS			--	DSL TO THE AP AS REQD
MIG	ISDN EXTENDED DIGITAL SUBSCRIBER LINE (EDSL)	51,57		ISPRIT	IEDS			--	EDSL
MIH	AUTOMATIC CUSTOMER STATION REARRANGEMENTS	51,57		ACSRTU	ACSR			MIA	DSL
MIJ	GATEWAY NETWORKING PACKAGE	51,57 94		ISDN2	GN			MIA	ISDN SM
MIK	MULTIPLE IP TRUNK GROUPS	51,57 94		MUIPRTU	MIPT			MIA	ISDN SM

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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
MIL	X.75 GATEWAY ACCESS	51,57 94		GX75RTU	GAX			MIA	ISDN SM
MIM	BASIC RATE INTERFACE (BRI) DATA SERVICES	51,57 74		ISBRIDS	BRI			MIA	ISDN SM
MIN	CALLING PARTY NUMBER/BILLING NUMBER (CPN/BN) TO TERMINATING PRI USER	51,57 159		ISCTPRT	CBTP			--	PRI
MIP	X.25 PACKET SWITCHING ACCESS ON T1 FACILITIES, INCLUDING PRIMARY RATE INTERFACE (PRI)	51,57		ISX25RT	PSA			MIA	ISDN SM
MIQ	X.75 GATEWAY TO PUBLIC DATA NETWORK	51,57		ISIGRTU	GPDN			MIA	ISDN SM
MIR	MULTI-POINT BASIC RATE INTERFACE (MBRI) WITH FULLY INITIALIZING TERMS	51,57 192		MUTTRTU	UDSL			MIA OR MIB OR MIC	BRI
MIS	MULTI-POINT BASIC RATE INTERFACE (MBRI) WITH NON-INITIALIZING TERMS	51,57 192		MUNITRT	UDNI			MIA OR MIB OR MIC	BRI
MIX	CALLING PARTY NUMBER/BILLING NO. (CPN/BN) TO TERMINATING USER/SM	51,57 157		C7CPNRT	CBTU			--	ISDN SM PER SITE
MIY	PRI ACCESS TO SELECTED IC SERVICES	51,57		ISICRTU	PASS			MIG	PRI
MIZ	HUNT GROUP TRANSFER FOR CIRCUIT SWITCHED DATA	51,57		ISHGXRT	HGTC			MIG	ISDN SM
MKA	COMMON CHANNEL SIGNALLING (CCS) ADMINISTRATIVE MODULE (AM) REAL TIME RELIEF	51,57		CCAMRTU	CSRR			MDE OR MDF OR MDG	SM PER EXTD OFF
MKB	COMMON CHANNEL SIGNALING (CCS) COVERING DOMAIN CONTROLLED ROUTING	51,57 88		CCEHRTU	CSDR			MDE OR MDF OR MDG	SM PER EXTD OFF
MKC	RMS-D3 AND TESTING, OPERATIONS, PROVISIONING, AND ADMIN. SYS INTERFACES	51,57		RMSTRTU	TOPA			--	SM PER EXTD OFF
MKD	ALLIANCE TELECONFERENCING ACCESS	51,57 88		ALTRT	ATA			--	SM PER EXTD OFF
MKE	CLASS 4X OFFICE INTERMEDIATE SWITCH POINT	51,57		CLAS4RT	ISP			--	SM PER SITE
MKF	MAC-OSS ACCESS OF BATCH RECENT CHANGE	51,57 88		ACCBART	BRC			MEN	SM PER EXTD OFF
MKG	DATA BASE QUERY SELECT-TRUNK REPORTS	51,57 88		DBQRTU	DBQ			--	SM PER EXTD OFF
MKH	LEASED NETWORK 100 SECOND SCAN	51,57 88		LNWRU	LNS			--	SM PER EXTD OFF
MKJ	MESSAGE DETAIL RECORDING (MDR) FOR RELEASE LINK TRUNK (RLT)	51,57 88		LNMRRTU	MDR			--	SM PER EXTD OFF
MKK	8 HOURS PAST MESSAGE DETAIL RECORDING	51,57 88		LN8MRTU	PMDR			--	SM PER EXTD OFF
MKL	SPECIAL ACCESS PHASE 1	51,57		SPAIRTU	SAP1			--	SM PER

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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 5E9(2)	
DWG SIZE C2	ISSUE 7
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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
		88							EXTD OFF
MKM	ORIG SCR OFF (OSO) AUTOMATIC MESSAGE ACCOUNTING - RECORDING	51,57 88,163		OSOARTU	OAMA	Y	21	--	SM PER EXTD OFF
MKN	FULLY CODED ADDRESSING	51,57 88		FLCARTU	FCA			--	SM PER EXTD OFF
MKO	NETWORK MANAGEMENT NM/ DOMAIN SELECTIVITY	51,57 88		NMDSRTU	NMDS			--	SM PER EXTD OFF
MKP	SOFTWARE DEFINED NETWORK (SDN)	51,57 88		SWDNRTU	SDN			--	SM PER EXTD OFF
MKQ	AMA RCDG FOR CENTRALIZED ATTENDANT SERVICE/RELEASE LINK SERVICE	51,57 88		ARCRRTU	ACAS			--	SM PER EXTD OFF
MKR	AUTH CODE SCREENING FOR SENDERIZED PBX'S & STATION GROUP DESIGNATORS	51,57 88		ACSPRTU	ACS			--	SM PER EXTD OFF
MKS	ORIGINAL CALLER'S FACILITY RESTRICTION LEVEL ON AN ATTENDANT - EXTD CALL	51,57 88		OCFRLRT	FRL			--	SM PER EXTD OFF
MKT	NETWORK MANAGEMENT ENHANCEMENTS FOR LEASED NETWORKS (LN)	51,57 88		NMLNRTU	NMEL			--	SM PER EXTD OFF
MKU	ISDN ACCESS TO LEASED NETWORK	51,57 88		ISLNRTU	ISDL			MIA OR MIG	SM PER EXTD OFF
MKV	CCS7 LEASED NETWORK (LN) INTER-OFFICE SIGNALING	51,57 88,160		C7LNRTU	C7IS			--	SM PER EXTD OFF
MKW	LEASED NETWORK (LN) ACTION POINT ROUTING AND BILLING	51,57 88		ACTRBRT	LNAP			--	SM PER EXTD OFF
MKX	LEASED NETWORK (LN) ACTION POINT SCREENING	51,57 88		ACTSRTU	LNAS			--	SM PER EXTD OFF
MKY	LEASED NETWORK (LN) ACTION POINT ATTENDANT	51,57 88		ACTARTU	LNAA			--	SM PER EXTD OFF
MKZ	CCS7 NETWORK INTER-CONNECTION	51,57 88,160		C7NICRT	C7NM			--	SM PER EXTD OFF
MLA	CALL GAP ENHANCEMENTS	51,57 88		GAPERTU	CGE			--	SM PER EXTD OFF
MLB	MESSAGE DETAIL RECORDING (MDR) ON EA/CCS7/CCS7 NI/CAMA/ISDN	51,57 88,160		MDRRTU	MDC7			--	SM PER EXTD OFF
MLC	CUSTOMER TRAFFIC DATA (CTRF) ON EA/CCS7/CCS7 NI/CAMA/ISDN	51,57 88		CTRFRTU	CTRF			--	SM PER EXTD OFF
MLD	100 SECOND SCAN ON EA/CCS7/CCS7 NI/CAMA/ISDN	51,57 88		HSSRTU	SCN			--	SM PER EXTD OFF
MLE	TRUNK RESERVATION WITH AUTO RESERVATION ARRANGEMENT	51,57 88		TKRESRT	TRAR			--	SM PER EXTD OFF
MLF	TOLL OA&M ENHANCEMENT	51,57 88		TOAMRTU	TOAM			--	SM PER EXTD OFF
MLG	REMOTE PROTOCOL MONITORING ACCESS TO ISDN CHANNELS	51,57 88		RPAPRI	RPMC			MIG	SW

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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
MLH	LEASED NETWORK SERVICE SELECTIVE TRUNK RESERVATION (SSTR)	51,57 88		LNSSTKR	SSTR			--	SW
MLJ	CCS7 ISDN USER PART NETWORK INTERCONNECT (PHASE 2)	51,57 88		C7IUPNT	C7IN			MKZ	SW
MLK	TOLL MAINTENANCE AND ADMINISTRATION	51,57 88		TOLLMTC	TMAP			--	SM PER EXTD OFF
MLL	DELIVERY OF TRUNK GROUP MAINTENANCE COUNTS TO RNMS	51,57 88		TGMTBCR	DTMB			--	SW
MLM	DIRECT INTERFACE TO RNMS	51,57 88		DIFRNMS	DITR			--	SW
MLN	NM DATA COLLECTION FOR 2000 TRUNK GROUPS	51,57 88		NMDCTKG	NDCX			--	SW
MLP	LOCAL CHARGE PREVENTION ON X.75 DTE	51,57 88		LOCCPRV	LCPX			--	PRI
MLQ	FTS2000 CALLING CARD SERVICE	51,57 88			FXCC			--	SW
MLR	PRECEDENCE DIGIT IN MDR RECORD	51,57 88			PDMR			--	SW
MLS	NI (NETWORK INTERCONNECT) MTP (MESSAGE TRANSFER PART) LATA ROUTING (NSD ONLY)	51,57 88			NI			MKZ,MLJ	SW
MLT	CCS CAPACITY IMPROVEMENTS (DLN 30)	51,57		DLN3ORT	ICCI			--	SW
MLU	INTERCHANGEABLE NPA AND NETWORK TRANSITION FEATURE (NSD ONLY)	51,57 88			INNT			MZO	SW
MLV	UPGRADE FROM DLN TO DLN30	51,57			UDD			MKA OR NGB OR NGD	SW
MLW	CONTROL OVER MF OUTPULSING LEVEL	51,57		CMFOUTP	COMO			--	SW
MLX	NCP (NETWORK CONTROL POINT) DIP ELIMINATION FOR FTS2000 TERM 800 CALLS	51,57		NCPDIPE	NCPD			--	SW
MLY	ELIMINATION OF ANI REQUIREMENTS ON ASN - FTS2000	51,57		ELIMANI	EARA			--	SW
MMA	MULTIPLE DATA BASE ACCESS	51,57		OSMARTU	MDBA			MAL,MAN OR MMP	POS
MMB	IMPROVED THIRD NUMBER ACCEPTANCE	51,57		OSI3ART	TNA			MAM	POS
MMC	EXTERNAL AUDIO RESPONSE UNIT (ARU) INTERFACE	51,57 168		OSARURT	ARUI			MMG	SW
MMD	MORE EFFICIENT CALL HANDLING	51,57		MECHRTU	MECH			MAM	POS
MME	OSPS COMBINED SERVICES	51,57		OSCSRTU	OCS			--	POS
MMF	DIRECT INTERNATIONAL ORIGINATION	51,57 88		OSDIRTU	DIO			MAM	POS
MMG	LISTING SERVICES	51,57		OSLSPOS	LSCT			MAL	POS

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DWG SIZE C2	ISSUE 7
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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
MMK	TOLL ASSIST (TA) ENHANCEMENTS PER SWITCH	51,57 152,164		OSTARTU	TAES			MAM,MDG	SW
MMN	MORE EFFICIENT CALL HANDLING AND IMPROVED THIRD NUMBER ACCEPTANCE	51,57		OSMIRTU	MECG			MAM	PSM
MMP	LISTING SERVICES PRESENTATION PROTOCOL	51,57 187		OSLSCST	SPP			MMG, J5D008AC-1 LIST MME	SW
MMQ	DIRECTORY ASSISTANCE CALL COMPLETION	51,57		ODACCRT	DACC			MMG,MMC	SW
MMR	INTERCEPT	51,57		OICPTRT	IN			MMG,MMC	SW
MMS	INTERCEPT CALL COMPLETION	51,57		OICPTCC	INCC			MMR	SW
MMT	CUSTOMER ACCOUNT SERVICES (CAS) RELEASE 3	51,57 88		OSCASR3	CAS3			MAM,MAW	POS
MMU	OSPS INTERFACE TO VOICE MESSAGE SERVICE FOR AUTOMATED CALLS	51,57 88		OIVM				MAM	POS
MMV	OSPS TERMINATING CODE SCREENING	51,57		OSCDSRN	OTCS			MAM	POS
MMW	ALTERNATE ACCESS TO OPERATOR SERV & SOFTWARE DEFINED NETWORK REMOTE ACCESS	51,57 88		OSAATOS	ASN			MAM,MMT	POS
MMX	PRE-COMPLIANT FGB CIC EXPANSION	51,57 163		OSPCFGB	PFGO	Y	19	MDV	SW
MMY	891 FORMAT CREDIT CARD	51,57 163		OS891CR	FCCX	Y	22	MAM	POS
MMZ	10XXX UNBLOCKING FRAUD PREVENTION	51,57 88,163		OS10XXX	UPFX	Y	17	MAM	POS
MNA	LOCAL AREA SIGNALING SERV (LASS) I PACKAGE/SM	51,57 78,79 154,193		LASMRTU	LASM			--	SM PER SITE
MNB	LOCAL AREA SIGNALING SERV (LASS) I PACKAGE/LINE OR DSL	51,57 78,79 154		LALNRTU	LASL			--	LINE OR DSL
MNC	LOCAL AREA SIGNALING SERV (LASS) AUTOMATIC CALLBACK	51,57 154,193		LCBSRTU	LAAC			--	SM PER SITE
MND	LOCAL AREASIGNALING SERV (LASS) AUTOMATIC RECALL	51,57 154,193		LARSRTU	LAAR			--	SM PER SITE
MNE	LOCAL AREA SIGNALING SERV (LASS) CUSTOMER ORIGINATED TRACE	51,57 154		LOTSRTU	LACT			--	SM PER SITE
MNF	LOCAL AREA SIGNALING SERV (LASS) INDIVIDUAL CALLING LINE IDENT	51,57 154,193		LICSRTU	LACL			--	SM PER SITE
MNG	LOCAL AREA SIGNALING SERV (LASS) II PACKAGE PER SM	51,57 79,154 155,161 193		L2SMRTU	LA2M			--	SM PER SITE
MNH	LOCAL AREA SIGNALING SERV (LASS) II PACKAGE PER LINE	51,57 79,154 155,161 193		L2LNRTU	LA2L			--	LINE OR BRI

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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
MNI	LASS SELECTIVE CALL REJECTION	51,57 154,161 193		LSCRRTU	LSCR			--	SM PER SITE
MNJ	LASS SELECTIVE CALL ACCEPTANCE	51,57 154,161 193		LSCARTU	LSCA			--	SM PER SITE
MNK	LASS SELECTIVE CALL FORWARDING	51,57 154,161 193		LSCFRTU	LSCF			--	SM PER SITE
MNL	LASS SELECTIVE DISTINCTIVE ALERT	51,57 154,161 193		LSDARTU	LSDA			--	SM PER SITE
MNM	LASS AUTOMATIC CALLBACK/CUSTOMER ORIGINATED TRACE 2 LEVEL ACTIVATION	51,57 163		LAACCOT	ACA	Y	43	(MNA OR MNB) (MNC OR MNE)	SW
MNN	LASS AUTOMATIC RECALL (AR)/AUTOMATIC CALLBACK (AC) DUAL TIMER QUEVING ACTIVATION	51,57		LAARAC	LAAD			(MNA OR MNB) MNC OR MNE)	SW
MNP	LASS UNIDENTIFIED CALL REJECTION	51,57 163,165		LSUCRTU	LUCR	Y	47	--	SW
MNQ	LASS REMOVE ISDN CUSTOMER ORIGINATED TRACE AGENCY FOLLOWING NUMBER	51,57 163		LSRICOT	LCOT	Y	49	(MNA OR MNB) OR MNE	SW
MNR	LASS PRIVATE OPTION FOR LAST INCOMING NUMBER (POLIN)	51,57 163		LSPOLIN	LPOL	Y	48	(MNA OR MNB) OR (MNG OR MNH)	SW
MNS	CALLING PARTY NUMBER FOR PRESENTATION CAPABILITY	51,57 163		LSCPNPC	CPNP	Y	50	--	SW
MNT	BULK CALLING LINE IDENTIFICATION (BCLID)	51,57 154		LABCLID	BCLI			--	SW
MNU	ANALOG CALLING NAME DELIVERY	51,57 154,163		LAANCNA	ACND	Y	40	MNA OR MNB OR MNE OR NFD	PSM
MNV	LASS VALIDATION AND SCREENING FOR SPLIT NPA MANAGEMENT	51,57 154,163		LVSNPAS	LVNS	Y	36	MNA OR MNB OR MNC OR MND OR MNG OR MNH OR MNI OR MNK OR MNL	SW
MNW	RETURN CALL AUTOMATIC MESSAGE ACCOUNTING (AMA)	51,57 163		LRCAMA	RAMA	Y	33	MNA OR MNB OR MNC OR MND	SW
MNX	(AC) AUTOMATIC CALLBACK BLOCKED TO PRIVATE NUMBER	51,57 154,163 193		LACBPN	LACB	Y	111	MNA OR MNB OR MNC	SW
MNY	FORCED PRIVACY OF INTER-SWITCH OUTGOING CALLS	51,57 163		LFPRIV	FPIS	Y	27	MDG	SW
MSA	INTERLATA PIC	51,163		INTRAPC	ICLA	Y	149	--	SW
MSC	CARRIER IDENTIFICATION CODE PARAMETER	51,163		CIPRTU	CICP	Y	9	MDG,NGA OR NGC	SW
MSD	EQUAL ACCESS TO OPERATOR	51		MEAASS	EAOS	Y	11	--	SW

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RT13	
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DWG SIZE C2	ISSUE 7
AT&T	J5D052B-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
	SERVICES SYSTEM			-RTU					
MTA	ANI II DIGIT TREATMENT	51,57 88,163		OSANIDT	AZDT	Y	46	MAM	SW
MTB	OSPS EMERGENCY INTERRUPT AMA	51,57 163		OEMGAMA	OEIA	Y	54	MAM	SW
MTC	OSPS INTERFACE TO VMS RELEASE 2	51,57 88		OSVMSRT	OITV			MAM	POS
MTF	ANI BILLING NUMBER FROM ORIGINATING MF SIGNAL FOR OSPS	51,57 163		OANIOMF	ABNO	Y	52	MDG,MAM	TA SW
MTG	OSPS FRONT END BRANDING	51,57 163		OSCTABR	OFEB	Y	15	MAM	TA SW
MTI	FEATURE GROUP B ACCESS CHARGE	51,57 163		OFGBACC	FGAC	Y	55	MAM	TA SW
MTJ	LIDB ERROR HANDLING CHANGES	51,57 163		OLIDBRU	LEHC	Y	56	MAM	SW
MTK	ORIGINATING LINE SCREENING (OLS) CODE EXPANSION	51,57		OSOLSRT	OCE			MAM	POS
MTL	BASIC CALL VECTORING (ACD) FEATURE PACKAGE	51,57 176		BCVECRT	BCVA			NAE	MIS CUSTOMER
MTM	ENHANCED PROMPTING ON INBOUND CALLS (EPIC)	51,57 163,177		EPICRTU	EPIC	Y	41	MTL	CALLER PRT ANN
MTN	OSPS COMMERCIAL CREDIT CARD VALIDATION USING BELL CORE-DEFINED PROTOCOL	51,57		OSCCCRT	OCCC			MAM,MMY	TA POS OR CST POS
MTO	891 CARD VALIDATION USING BELL CORE-DEFINED PROTOCOL	51,57 163		OS891TA	891C	Y	22	MAM,MMY	TA POS OR CST POS
MTP	OSPS FEATURE GROUP B CIC EXPANSION. THE INTERMEDIATE SWITCHING POINT FEATURE GROUP B CARRIER IDENTIFICATION CODE EXPANSION FEATURE IS INCLUDED	51,57		OFGBIC	OFCE			MAM,MDV	SW
MTQ	DA CALL COMPLETION-PRICED ON A PER INTERNAL PLUS EXTERNAL ARU	51,57		ODACARU	DCC			MTZ,MTX	DA CALL COMPLETION INTERNAL PLUS EXTERNAL ARU
MTR	LISTING SERV (LS)-PRICED ON A PER SWITCH BASIS	51,57		OSLSRTU	LS			MAL	LISTING SERV SW
MTS	INTERCEPT FEATURE-PRICED ON A PER ARU T1 SPAN BASIS	51,57		OICPARU	IATS			MTX	INTERCEPT ARU T1 SPAN
MTT	INTERCEPT CALL COMPLETION-PRICED ON A PER ARU T1 SPAN BASIS	51,57		OICCARU	ICCA			MTS	INTERCEPT CALL COMPLETION ARU T1 SPAN
MTV	AUTOMATED POSITION SYSTEM. THE AUTOMATED SEQUENCE DIALING SW CHANGES FOR AUTOMATED POSITION CALL SELECTION ARE INCLUDED	51,57		OAPSRTU	AOP			MAM	AUTOMATED POSITION

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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
MTX	EXTERNAL ARU - PRICED ON ARU T1 SPAN BASIS	51,57		OSEXARU	EARU			MTZ	EXTERNAL ARU T1 SPAN
MTY	REAL TIME RATING IMPROVEMENTS FOR DACC	51,57 163		ORTRIDC	ORTR	Y	73	MMQ	SW
MTZ	LISTING SERV (LS)-PRICED ON A PER INTERNAL PLUS EXTERNAL ARU	51,57		OSLSARU	LSA			MAL	LS INTERNAL PLUS EXTERNAL ARU
MUA	ACCES TO LINE INFORMATION DATA BASE (LIDB) EXCHANGE ALTERNATE BILLING SERVICES (EABS)-EXPANDED CALL TYPE DETERMINATION CAPABILITIES	51,57 88			AL			MAM,MDG	POS
MUB	CALLED NUMBER IN LIDB SIGNALING PROTOCOL	51,57		OSCLIDB	CIDL			MAS OR MMK OR MUA	POS
MUC	DIRECT INTERNATIONAL ORIGINATION (DIOR) COUNTRY TO COUNTRY COLLECT BLOCKING	51,57 88		OSDICCB	DCCB			MMF	POS
MUD	INCLUSION OF 10+4 CARDS IN THE CARD RECOGNITION TABLE	51,57 88		OS104TB	CECR			MAM,MMT	POS
MUE	DIRECT INTERNATIONAL ORIGINATION (DIOR) AUTOMATED INITIAL CALLS	51,57 88		OSDIAIC	DAIC			MAM,MMF	POS
MUF	UNBLOCKING 900 FOR RATE QUOTES	51,57 163		OSUB900	UXRQ	Y	57	MAM	POS
MUG	PRIVATE BRANCH EXCHANGE (PBX) TRUNK ACCESS TO OSPS	51,57 163		OSPBXTA	PBXT	Y	74	MAM	POS
MUH	SPECIALIZED HANDLING FOR 700 CALLS	51,57 88,163		OSSH700	SHXC	Y	69	MAM	POS
MUI	MORE EFFICIENT CALL HANDLING (MECH) USAGE DATA OAP REPORTS	51,57 163,175		OSMOAPR	MUDO	Y	68 67	MAM,MMD	POS
MUJ	OSP INTERFACE TO VMS - RELEASE 3	51,57 88,195		OSVMSR3	OIV3			MAM	POS
MUK	CARRIER SPECIFIC ROUTING FOR INRNATL CARD CALLS	51,57 88		OSCSRIR	CSRI			MAM,MMT	POS
MUL	ENHANCED SERVICES PROVIDER CREDIT CHECKING (ESP/CC)	51,57 88		OSESPCC	ESPC			MAM,MMT	POS
MUM	HONOR CREDIT CARDS & PROVIDE OPERATOR ASSISTANCE FOR 900 SERVICE	51,57 88,195		OSCC900	POA9			MMT	POS
MUN	PURCHASE LIMIT	51,57 88,195		OSPLRTU	PL			MMT	POS
MUO	INWARD VALIDATION IDENTIFICATION	51,57 88		OSVALID	IVI			MMT	POS
MUP	INTERNATIONAL CREDIT CARD VALIDATION-CUSTOMER DEFINED BILL SEGMENTATION	51,57 88		OSICVC	IC	Y	362	MMT OR MAS OR MMK	POS
MUQ	CUSTOMER DEFINED BILL SEGMENTATION (CDBS) SEQUENCE DIALING	51,57 88,195		OSDCBSD	CSD			MAH OR MAY	POS

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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 5E9(2)	
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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
MUR	ENHANCED CUT-THROUGH OF CALLERS TO AN OPERATOR FOR CARDS NOT HONORED	51,57 88,195		OSECOP	ECTO			MAV	POS
MUS	DIFFERENTIATION OF CARD SERVICE CHARGES	51,57 88		OSDIFCS	DCSC			MMT	POS
MUT	DIRECT INTERNATIONAL ORIGINATIONS-RATE QUOTE AND TIME AND CHARGES	51,57 88		OSDIRQT	DRQ			MMF	POS
MUU	OSPS INTERFACE TO VOICE MESSAGING SERVICE-RELEASE 4	51,57 88		OSVMSR4	OIV4			MUJ	POS
MUV	TERMINATING CODE SCREENING RELEASE 3	51,57		OSTCSR3	TCS			MMV	POS
MUW	AUTOMATED SEQUENCE DIALING FOLLOWING OPERATOR RELEASE	51,57 163		OSASDOR	OASD	Y	66	MAM	SW
MUX	COMPLETION OF INTERLATA CALLS ACCESSING DIRECTORY ASSISTANCE	51,57 163,180		MOCICADA	OCIC	Y	78	MAM	SW
MUY	BLOCKING 10+4 CARDS FOR 900 CARD CALLS	51,57 88,163		O104B90	OBXC	Y	77	MAM	SW
MUZ	SPECIALIZED HANDLING FOR 700 CALLS - RELEASE 2	51,57 88,163			SHX2	Y	69	MUH	POS
MVA	CALLING PARTY NUMBER/BILLING NUMBER (CPN/BN) TRANSMITTAL IN 5ESS PRIVATE NTKW ENVIRONMENT	51,57		ISCPNRT	CPBN			MIG	ISDN SM
MVB	QUEENING FOR CIRCUIT SWITCHED DATA MULTILINE HUNT GR	51,57		ISQCSRT	QCSM			MIG	ISDN SM
MVC	SUPERVISORY CONSOLE FOR MULTI-LINE HUNT GROUP QUEUEING	51,57		ISSCQRT	SCML			MIG	ISDN SM
MVD	ELECTRONIC TANDEM NETWORK (ETN) ON PRIMARY RATE INTERFACE (PRI)	51,57		ISEPRTU	ETNP			MIG	PRI
MVE	ELECTRONIC TANDEM NETWORK (ETN) INTERWORKING IN 5ESS SWITCH PRIVATE NETWORK	51,57		ISEIRTU	ETNI			MIG	ISDN SM
MVG	CALLING PARTY NUMBER/BILLING NUMBER TO TERMINATING BRI USER	51,57 158		ISCTBRT	CPTB			--	BRI
MVH	BRCS SUPPLEMENTARY SERV	51,57		ISBSRTU	BRSS			MIA	BRI
MVK	EXECUTIVE RINGER CUTOFF	51,57 99,163		ISERCRT	ERCX	Y	14	MIB OR MIC	SW
MVL	ISDN MBKS AUTO EXCLUSION	51,57		ISDBSAX	IMAE			MIB OR MIC	BRI
MVM	ENHANCEMENTS TO X.25 PACKET SWITCHING FOR TRUSTED DTE	51,57		ISEX25	EXPS			MIA	DATAKIT LINK
MVN	REMOTE PROTOCOL ACCESS	51,57		ISRTPA	RPA			MES	SW
MVP	AM BASED PROTOCOL MONITOR TRANSLATOR	51,57 163		ISAMBPM	ABMT	Y	32	MES	SW
MVQ	INCREASED SHARED DIRECTORY NUMBER (DN) GROUP SIZE -	51,57		ISISDNG	ISD			MIB OR MIC	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
	CUSTOM BASIC RATE INTERFACE VERSION								
MVR	SHARED DIRECTORY NUMBER (DN) ENHANCEMENTS FOR CONFERENCE CALLS	51,57 163,189		ISSDNEC	SDEC	Y	92	MIB OR MIC	SW
MVS	ATTENDANT GROUP OVERLOAD WARNING	51,57		ISATGOW	IAGO			MID	BRI
MVT	ISDN ATTENDANT OFFERED LOAD STATISTICS	51,57		ISATOLS	IAOL			MID	BRI
MVU	ISDN ATTENDANT REMOTE BUSY VERIFICATION	51,57		ISATRBV	IARB			MID	BRI
MVV	ESSENTIAL SERVICE PROTECTION FOR BASIC RATE INTERFACE (BRI)	51,57		ISESSPB	SPFB			MIA OR MIB OR MIC	BRI
MVW	NATL ISDN BASE PER SWITCH	51,57		NISIBSW	NIB			--	SW
MVX	STANDARD BASIC RATE INTERFACE (BRI) BASE PER BRI	51,57 199		NISISBB	SBB			MVW	STANDARD BRI
MVY	BASIC DATA FEATURE PACKAGE FOR STANDARD BRI'S	51,57		NISIDAT	BDSB			MVW,MVX	STANDARD BRI
MVZ	DELUXE CIRCUIT SWITCHED DATA FEATURE PACKAGE FOR STANDARD BRI'S	51,57		NISICSD	DCSB			MVW,MVX, MVY	STANDARD BRI
MWA	DELUXE PACKET SWITCHED DATA FEATURE PACKAGE FOR STANDARD BRI'S	51,57 190		NISIPSD	DPSB			MVN,MVX, MVY	STANDARD BRI
MWB	ISDN INTER-SWITCH VOICE MESSAGING (ISVM)	51,57		ISVMRTU	ISVM			MIF,MDG, MDL, INTER-LATA IVSM REQ MDR	SW
MWC	METRO HUB	51,57 163		ISMETHU	MB	Y	60	MIG,MJB OR MGL OR MFB	SW
MWD	METRO HUB PER PRI	51,57 163		ISMHPRI	MHBB	Y	60	MIB,MJB OR MGL OR MFB	PRI
MWE	AP LINK DIVERSIFICATION	51,57 163		ISAPLDV	APLD	Y	103	MIA	SW
MWF	DUAL ENHANCEMENTS 911 SERV ADJUNCT (ESA) FOR E911	51,57 163		DUALES	DEXS	Y	108	MBD,MIA	SW
MWG	NATIONAL ISDN-2 BRI PACKAGE	51,57 181		NIS2RTU	NI2B			MVW,MVX,MVY, MVZ,MWA	BRI
MWH	BASIC STANDARD PRI (1DS1 PER D-CHANNEL)	51,57		NISSPRI	NI2P			--	D-CHANNEL
MWJ	2ND DS1 PER D-CHANNEL WITH NFAS (NON-FACILITY SIG) AND DCBU (D-CHANNEL BACKUP)	51,57		NISNFAS	NI2D			MWH	DS1
MWK	ADDITIONAL DS1 PER D-CHANNEL (3 TO 6)	51,57 182		NFAST6	NIAD			MWJ	DS1
MWL	ADDITIONAL DS1 PER D-CHANNEL (7 TO 20)	51,57 183		NFA7T20	NICH			MWK	DS1

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5ESS SWITCHING EQUIPMENT SPECIFICATION FOR 5ESS COMPACT DIGITAL EXCHANGE (CDX) AND 5ESS VERY COMPACT DIGITAL EXCHANGE (VCDX) FOR U.S. APPLICATIONS FOR SOFTWARE RELEASE 5E9(2)	
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** CONTINUED **
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
MWM	UPGRADE FROM CUSTOM TO STD PRI	51,57		USTDPRI	NIU			MIG	PRI
MWN	UPGRADE TO NFAS & DCBU	51,57 184		UPNFAS	NIUN			MWM	PRI
MWP	FRACTIONAL DS1 SWITCHING (NXDSO) VIA PRI ACCESS (1 DS1 PER D-CHANNEL)	51,57 163		FRACDS1	NIFD	Y	125	MWH	D-CHANNEL
MWQ	FRACTIONAL DS1 SWITCHING (NXDSO) VIA PRI ACCESS (2ND DS1 PER D-CHANNEL)	51,57 163		FRADS12	NIC	Y	125	MWP,MWJ	DS1
MWS	FRACTIONAL DS1 SWITCHING (NXDSO) VIA PRI ACCESS (3 THRU 6)	51,57 163,185		FRA3T6	NID	Y	125	MWQ,MWK	DS1
MWT	FRACTIONAL DS1 SWITCHING (NXDSO) VIA PRI ACCESS (7 THRU 20)	51,57 163,186		FRA7T20	NIE	Y	125	MWS,MWL	PS1
MWU	ISDN MESSAGE SERVICES	51,57 94		ISMSSMS	IMSV			MIA	BRI TO SMSI OR PMIT
MWV	ISDN ELECTRONIC DIRECTORY SERVICES	51,57 94		ISELMED	IDES			MIA	BRI TO MEDS
MWW	CALLING PARTY NUMBER (CPN) DELIVERY ON E911 CALLS	51,53 163		CPNE911	CPN	Y	116	MBD	SW
MWX	END-TO-END CALL TRACE/SWITCH	51,57		ETECTSW	PSTN			MDG	SW
MWY	CENTREX PRI ENHANCEMENT	51,57 163		ISCPRI	CPE	Y	105	MIG OR MWH, MWC OR MWD	SW
MWZ	ISDN PSAP SUPPORT	51,57 163		PSAPSUP	IPS	Y	114	MBD,MIA MIC	BRI
MXA	CALLING PARTY NUMBER BILLING ON PRI	51		ICPNBLG	CPNA			MIG OR MWH	BUYOUT ONLY
MXB	POSITION RELEASE OF OSPS NPA-131 CALLS	51,57 163		O131RTU	PROC	Y	35	MAM	SW
MXC	OLS BEFORE DACC PROMPTING PHASE 1	51,57 163		OLSDAC1	OBDP	Y	75	MMQ	SW
MXD	ORIGINATING LINE SCREENING (OLS)-ALTERNATE ROUTING	51,57 163		OSOLSAR	OOLS	Y	76	MAM	POS
MXF	ACCS- FOR 0+800 CALLS FROM WIRELESS SERV PROVIDERS	51,57 88,163		OAC8WSP	ABXC	Y	79	MAM	SW
MXG	SWITCH CHANGES FOR AUTOMATED POSITION	51,57 163		OSSWCAP	SCAP	Y	45	MAM	AUTOMATED POSITION
MXH	ORIGINATING LINE SCREENING (OLS) BEFORE DACC PROMPTING PHASE 2	51,57 163		OLSDAC2	OBD2	Y	97	MMQ	SW
MXI	OSPS INTERWORKING WITH SSP 800	51,57 163		OINTSSP	OINS	Y	31	MDM	SW
MXJ	IMPROVED AUTOMATED POSITION CALL SELECTION	51,57 163		OSIAPCS	IAPC	Y	65	MUA	SW
MXK	LIDB-CHANGE HANDLING OF INDETERMINATE REPLY CODES	51,57 163		OLIDBIR	OLCH	Y	81	MUA OR (MAS OR MMK) OR MTO	SW

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** CONTINUED **
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
MXL	INDEPENDENT COMPANY ANNOUNCEMENT BRANDING	51,57 88,163 195		OICOABR	OICA	Y	95	MAM	SW
MXM	ORIGINATING LINE SCREENING (OLS)-CUSTOMIZED MARKED ANNOUNCEMENTS	51,57 88,163 195		OLSCMA	OOCM	Y	96	MAM,MTK	SW
MXN	DIRECT INTERNATIONAL ORIGINATIONS (DIOR) COUNTRY PAIR SCREENING	51,57 88		OSDICPS	DCPS			MMF	SW
MXO	CALLING AND CALLED NUMBER CARD RESTRICTIONS - EARLY RELEASE	51,57		OCDRSTR	CCNC			MMT	SW
MXP	VOICE MESSAGING SERVICE - SERVICE MEASUREMENTS	51,57 88,163		OVMSSCM	OVMS	Y	100	MUJ	SW
MXQ	MECH ZIP TONE	51,57 163		MECHZIP	OMZT	Y	94	MMD	SW
MXR	ORIGINATING STATION CLASS FOR DA CALL COMPLETION	51,57 163		OSCLDAC	OOSD	Y	99	MMQ	SW
MXS	0-TRANSFER OVER FEATURE GROUP D (FGD) TRUNKS	51,57 163		OSTRAN	OXTO	Y	102	MAM	SW
MXT	DIRECTORY ASSISTANCE CALL COMPLETION - RELEASE 2	51,57		OSDACC2	DACR			--	ARU
MXU	OSPS RECOGNITION OF CUSTOMER PROVIDED TERMINAL	51,57		OCPRTU	ORCP			--	POS
MXV	INTERNATIONAL BILLED NUMBER SCREENING	51,57 88,163 195		OSIBNS	OIBN	Y	101	(MAS OR MMK) OR MUA	SW
MXW	AUTOMATED INWARD BILLED NUMBER SCREENING	51,57 88,163 195		OSAIBNS	AIBN	Y	107	(MAS OR MMK) OR MUA	SW
MXX	ALTERNATE ACCESS TO LANGUAGE SPECIFIC OPERATOR SERV	51,57 88,163		OALSOS	AALS	Y	84	MMW, (MAS OR MMK) OR MUA	SW
MYX	SUBACCOUNT BILLING - ANI SCREENING	51,57 163		OSABANI	OSBA	Y	90	MAY OR MAH, MTK	SW
MXZ	AMA-RECORDING OF CALLS FROM WIRELESS SERVICE PROVIDERS	51,57 88,163		OAMAWSP	ARCW	Y	104	MXF	SW
MYA	DIOR OLS AND DIOR AUTOMATED INITIAL CALLS RELEASE 2	51,57 88		OSDIPKG	DODA			MMF, MTK, MUE	SW
MYB	700 NUMBER PASS ALONG EARLY RELEASE	51,57 88,163		MOS700PA	7NPA	Y		MUZ	SW
MYC	SPECIALIZED HANDLING FOR 700 CALLS - RELEASE 2.1	51,57 88,163		MO70021	SHX	Y	89	MUZ	SW
MYD	INTRAFLOW TO INTERFLOW CALL HANDLING WITH INTERFLOW CALL QUEUES	51,57 163		OIICHIQ	IFIF	Y	113	MAR	SW
MYE	CARD VOLUME AND DURATION LIMIT FEATURE PACKAGE	51,57 88		OSCVCDL	OCVD			MMT, MUO, MUN	SW
MYF	ENHANCED LIMITS	51,57 88		OSENLM	OEL			MMT, MUO, MUN	SW
MYG	ICCV - REQUEST FOR CALL	51,57		OICCVCD	OIR			MMT, MUS	SW

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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 5E9(2)

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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
	DURATION AND CHARGE	88							
MYH	CALLING AND ENHANCED CALLED NUMBER CARD GEOGRAPHIC RESTRICTIONS	51,57		OSCGEOR	CECN			MMT,MXO	SW
MYI	NON-ENGLISH ANNOUNCEMENTS FOR CARD CALLS	51,57 88		OSNOENG	ONEC			MMT	SW
MYJ	ALL CARDS FAIL	51,57		OSCFAIL	ACF			(MAS OR MMK) OR MMT	SW
MYK	ICCV - CALLED NUMBER GEOGRAPHIC RESTRICTIONS	51,57 88		OICCVGR	OICN			MMT,MYH	SW
MYL	CICADA RELEASE 2	51,57 88,163		MOCICAD2	CR2	Y	110	MUX	SW
MYM	CICADA MUTE BACK CONNECTION TO OPERATOR	51,57 88,163		MOMUTEK	OCMB	Y	115	MUX	SW
MYN	OSPS CHANGES FOR INTER-CHANGEABLE NPA	51,57		OSINPA	OCFI			MZO	SW
MYO	FEDERAL TELECOMMUNICATION SYSTEMS/NETWORK REMOTE ACCESS (FTS/NRA)	51,57 88,163		OFTSNRA	FTSN	Y	85	MMW	SW
MYP	OSPS FGD CARRIER IDENTIF. CODE EXPANSION FOR OSPS	51,57		OSFGD	FCC			MZP	SW
MYQ	AUTOMATED POSITION SYSTEM-1 STAGE	51,57		OSAP1RT	AP1S			--	AP POS
MYR	AUTOMATED POSITION SYSTEM-2 STAGE	51,57		OSAP2RT	AP2S			--	AP POS
MYT	AATOS-CHANGE HANDLING OF ALL ZEROS ANI	51,57 88,163		OAATOSO	ACHZ	Y		MMW	SW
MYU	BILLED NUMBER SCREENING (BNS) FRAUD CONTROL	51,57 88,163		MOBNSFC	BNS	Y	26	MYW	SW
MYV	VOLT DELTA DIRECTORY ASSISTANCE INTERFACE	51,57 163		MOVDRDA	VDDA	Y	87	MMC OR MTX	SW
MYW	EABS ALTERNATE ROUTING	51,57 163		MOEABSAR	EAR	Y	86	MUA OR (MAS OR MMK)	SW
MYX	AMA IDENTIFICATION OF 800 CALLS	51,57 163		OAMA800	AI8C	Y	112	MXX	SW
MYY	DIOR SPEED DIALING	51,57 88		ODIORS	DSD			MMF	SW
MYZ	DA - CUSTOM BRANDING	51,57		OSDACBR	DACB			MTG	SW
MZE	OPERATING SYSTEM PORTION OF THE BASE GENERIC SFTW 5E9.2. THIS LIST IS REQ'D ON ONLY THE FIRST 10 SM'S OF EVERY SWITCH	57,72 153,194		BAS92CR	5E92			MZF	SM (MAX 10 PER SW)
MZF	BASE APPLICATION SYSTEM PORTION OF THE BASE GENERIC SOFTWARE 5E9(2). THIS LIST IS REQ'D ON ONLY THE FIRST 10 SM'S OF EVERY SWITCH. FOR RETROFIT THIS APPLIES ONCE PER SWITCH.	51,57 153,174 194,197		BAS92RT	5E92			MZE	SM (MAX 10 PER SW)
MZG	OPERATING SYSTEM PORTION	57,65,		CPE7CRT	5E92			MZF	SM (MAX

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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
	OF THE CUSTOMER PREMISES SOFTWARE THIS LIST IS REQ'D ON ONLY THE FIRST 10 SM'S OF EVERY SWITCH USED AS CUSTOMER PREMISE EQPT	72							10 PER SW)
MZH	BASE APPLICATION PORTION OF THE CUSTOMER PREMISES SOFTWARE THIS LIST IS REQ'D ON ONLY THE FIRST 10 SM'S OF EVERY SWITCH USED AS CUSTOMER PREMISE EQUIPMENT	57,65 72,153		CPE7RTU	5E92			MZG	SM (MAX 10 PER SW)
MZM	INTERGRADED DIGITAL CARRIER UNIT (ICDU) CONCENTRATION	51,57		BASIDCU	ICF			--	IDCU
MZN	INTERNATIONAL DIRECT DISTANCE DIALING (IDDD) VIA ROUTING (SFG)	51,57		BAINDD	IRSF			--	SW
MZO	INTERCHANGEABLE NUMBERING PLAN AREA (INPA) CODES	51,57 163		INPARTU	INPA	Y	59	--	SW
MZP	FEATURE GROUP D (FGD) CARRIER IDENTIFICATION CODE (CIC) EXP	51,57		BASFSD	FCE			--	SW
NAA	CALLING PARTY NUMBER DELIVERY TO ACD FEATURE FOR PINNACLE ACD LINK APPL	51,57		ACDCPND	ACNP			NAE,MDG	AGENT POSITION
NAB	MULTIFLOW NETWORK CALL DISTRIBUTION	51,57		ACDMNCD	ADCM			MTL	VECTOR ASSIGNED FOR MULTIFLOW
NAC	EXISTING PINNACLE ACD CUSTOMERS TO UPGRADE TO FULL ACD/BRCS INTERWORKING LIST INCLUDES THE ACTIVATION OF DN PROVISIONING, POSITION PROVISIONING, AND LOGIN/LOGOUT PROVISIONING. ALSO INCLUDES LISTS NAD, NAE AND NAR	51,57		ACDMNGC	ABMC			--	POS
NAD	ACD POSITION MONITORING. LIST INCLUDES THE ACTIVATION OF DN PROVISIONING AND POSITION PROVISIONING. ALSO INCLUDES LIST NAR	51,57 163		ACCTXPM	MICP	Y	121 122	--	POS
NAE	FULL ACD/BRCS INTERWORKING FEATURE PACKAGE FOR AN AT&T ISDN CENTREX POSITION LIST INCLUDES THE ACTIVATION OF DN PROVISIONING, POSITION PROVISIONING, AND LOGIN/LOGOUT PROVISIONING. ALSO INCLUDES LIST NAD AND NAR	51,57 163		ACDBRIN	ABI	Y	121 122 123	MIA, (MFT OR MGK), (MFV OR MGL), MIC	POS
NAR	REQUIRED FOR ACD POSITIONS INSTALLED PRIOR TO 5E9 (TO ELIMINATE LOOP AROUND TRUNKS AND TO PROVIDE DN PROVISIONING) WHICH DO NOT ELECT TO UPGRADE TO ACD/BRCS MANAGED CONVERSION OPTION (LIST NAC). WHEN LISTS NAC,NAD,NAE OR NAQ ARE SPECIFIED, LIST NAR IS	51,57 163	DA	ACDELAT	RAPI	Y	121	--	POS

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5ESS SWITCHING EQUIPMENT SPECIFICATION FOR 5ESS COMPACT DIGITAL EXCHANGE (CDX) AND 5ESS VERY COMPACT DIGITAL EXCHANGE (VCDX) FOR U.S. APPLICATIONS FOR SOFTWARE RELEASE 5E9(2)	
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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
	INCLUDED TO PROVIDE DN PROVISIONING								
NAS	15A ANNOUNCEMENT PROVIDES AN ANNOUNCEMENT HUNTING ALGORITHM FOR TRUNK GROUPS MARKED AS USING THE 15A STAGGERED ANNOUNCEMENT OPTION	51,57		MANN15A	A15A	Y	118	--	SW HOST SITE
NAV	ACD/BRCs INTERWORKING FEATURE FOR E911 SERVICE	51,57 163		ACDE911	ABIE	Y	121 122 123	MIA, (MFT OR MGK, (MFV OR MGL) & MIC	E911 AGENT POS
NAW	PINNACLE ACD/E911 SERVICE	51,163			PAES	Y	143	MWZ,NAV	POS
NAX	VECTOR PROMPT ENHANCEMENT	51,57 163				Y	138	--	SW
NAY	INTELLIGENT DN SERVICES FEATURE. PROVIDES THE ABILITY TO GIVE VECTORING ANNOUNCEMENT, AND RE-ROUTE TREATMENTS ON CALLS TO THE INTELLIGENT DN INDEPENDENTLY OF SWITCH HARDWARE	51,57 163		MINDNSRV	IDNS	Y	16, 121	--	SW
NBA	ADVANCED SERVICES INTER-FACE - PROXY	51,57 163		AIPROXY	ASIP	Y	93	--	SW
NBB	ADVANCED SERVICES PLATFORM (ASP) - RELEASE 0.1B	51,57 163		AIASPLB	ASPR	Y	126	MDW	SW
NBC	REMOTE ACCES TO PROXY	51,57		AIRPRXY	RAP			NBA	SW
NBE	PROXY OPTION FOR OLHB POPULATION	51,57		AIPOLHB	OLHB			NBA	SW
NCA	QUANTUM 0+/1+500 AND 1+700 TRAFFIC HANDLING	51,57 88			QXTH			MUZ	SW
NCB	SPECIALIZED HANDLING FOR 500/700 CALLS MEASUREMENTS	51,57 88			SHXX			MUZ	SW
NCC	FEATURE GROUP D (FGD) IN-COMING SIGNALING FOR SPECIAL APPLICATIONS	51,57 88,163		OFGDINC	FGDI	Y	83	MXZ	SW
NCD	VIRTUAL CARD	51,57 88,163		MOSVIRT	OVC	Y	23	MMT	SW
NCE	ACQS RATE DISTINTION BASED ON QUOTE DELIVERY	51,57 163		MOACQSRQ	ARDS	Y	82	MAM,MAP	SW
NCF	OSPS TELEPHONE RELAY SERVICE (TRS) CALL HANDLING	51,57 88,163		OTRSCH	OTRS	Y	25	NCC	SW
NCG	ICCV - CALL SCREENING	51,57 88,163		OICCVCS	OICS	Y	362	MYG	SW
NCH	CII D CARRIER SPECIFIC ROUTING BASED ON CARD NUMBER	51,57 88,163		OCIIDCR	CCSR	Y	363	MUK	SW
NCI	CARD BASED SPEED DIALING-CALL PROCESSING (PHASE I & II)	51,57 88,163		OSCASR3	OCBS	Y	365	MMT	SW
NCJ	PURCHASE LIMITS BALANCE QUOTATION - RELEASE 1	51,57 88,163		OSPLBQ1	OPL1	Y	24	MUN,MUS	SW

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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
NCK	PURCHASE LIMITS BALANCE QUOTATION - RELEASE 2	51,57 88,163		OSPLBQ2	OPL2	Y		NCJ	SW
NCL	AATLSOS - ALLOW SENT PAID CLASS OF CHARGE (PHASE 1)	51,57 88,163		OASCOC1	AASP	Y		MMW,MXX, MUA	SW
NCM	DIOR ACCESS FOR VOICE MESSAGING SERVICE	51,57		ODIORVM	DAVM			MMF,MUU	SW
NCN	QUANTUM INTERNATIONAL IN-BOUND DIALING	51,57 88			QIID			MUZ	SW
NCO	PREPAID OVERTIME FOR COIN CALLS	51,57 88,163		OSPPDOV	OPOC	Y	372	--	SW
NCP	DIOR SEQUENCE CALL HANDLING VIA VOICE RECOGNITION	51,57		ODSCHVR	DSCH			MMF & MUE	SW
NCR	INTERFLOW OPERATOR CONFERENCES	51,57 88,163		OSIOPCF	OIOC	Y	361	--	SW
NCS	CARD-BASED SPEED DIALING AUTO PROVISIONING	51,57 88,163		MOCBSDAP	OSDA	Y	367	MUO,MMW	SW
NCT	OTR WITH AUTOMATED POSITION ID	51,57 88,163		OTRAPID	OOTR	Y	364	--	SW
NCU	AUTOMATED INWARD LINE SCREENING (AALS)	51,57 88,163 200		MOSAILS	OAIL	Y	370	MMT	SW
NCW	LIDB - RECOGNITION OF PSDI VALUE 4	51,57 163		MOSPSDI4	OLRP	Y	368	MAS/POS OR MMK/SW & MUB	SW
NCX	TERMINATING POINT RESTRICTION (TPR) EXPANSION	51,57 88,163		OTPREXP	OTPR	Y	371	--	SW
NCY	DIOR TOLL FREE 800 SERVICE	51,57		MODIO800	DTF8			MMF	SW
NCZ	OSPS ENHANCEMENTS TO DA AND DAC FOR WIRELINE AND NON-WIRELINE USERS PER SWITCH	51,57 163		OEDARTU	OED1	Y	117	MMQ	SW
NDD	MARCH 5E9(2)	57,72 188		MARCH92	MA92			--	SW
NDE	MARCH 5E9(2) UPDATE (RETROFIT ONLY)	57,188 191		MARC92U	MA2U			--	SW
NDF	CCRS 5E9(2)	57,72 188		CCRS92	CCR			--	SW
NDG	CCRS 5E9(2) UPDATE (RETROFIT ONLY)	57,188 191		CCRS92U	CCRU			--	SW
NDH	NMA - SWITCH 5E9(2)	57,72 191		NMASW92	NMAA			--	SW
NDJ	NMA - SWITCH 5E9(2) UPDATE (RETROFIT ONLY)	57,188 191		NWAS92U	NMAU			--	SW
NDK	ENHANCED INTERFACE TO MLT	51,57 86		EINTMLT	EIFM			--	SW
NEA	CIRCUIT SWITCH TRUNK PACKAGE	51,57 163		CSTPRT	CSTP	Y	6,88	MDK,MDM, MEW	SW
NEB	MODIFIED CALLING LINE DISCONNECT ENHANCEMENT	51,57 163		MCLDERT	MCDE	Y	30	MEU	SW

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5ESS SWITCHING EQUIPMENT SPECIFICATION FOR 5ESS COMPACT DIGITAL EXCHANGE (CDX) AND 5ESS VERY COMPACT DIGITAL EXCHANGE (VCDX) FOR U.S. APPLICATIONS FOR SOFTWARE RELEASE 5E9(2)	
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** CONTINUED **
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
NFA	LASS AUTOMATIC CALLBACK PER LINE	51,57 154,193		LCBLRTU	LAC			--	LINE OR BRI
NFB	LASS AUTOMATIC RECALL PER LINE	51,57 154,193		LARLRTU	LAR			--	LINE OR BRI
NFC	LASS CUSTOMER ORIGINATED TRACE PER LINE	51,57 154		LOTLRTU	LCO			--	LINE OR BRI
NFD	LASS ICLID PER LINE	51,57 154,193		LICLRTU	LIL			--	LINE OR BRI
NFE	LASS SELECTIVE CALL REJECTION PER LINE	51,57 154,161 193		LSCRLRT	LSC			--	LINE OR BRI
NFF	LASS SELECTIVE CALL ACCEPTANCE PER LINE	51,57 154,161 193		LSCALRT	LSCL			--	LINE OR BRI
NFG	LASS SELECTIVE CALL FORWARDING PER LINE	51,57 154,161 193		LSCFLRT	LSFL			--	LINE OR BRI
NFH	LASS SELECTIVE DISTINCTIVE ALERTING PER LINE	51,57 154,161 193		LSDALRT	LSDL			--	LINE OR BRI
NFJ	CALLING IDENTITY DELIVERY ON CALL WAITING	51,57 87,163		LCIDDCW	CIDC	Y	133	NFK	SW
NFK	SWITCH-TO-CPE ANALOG OFF-HOOK FSK DATA INTERFACE	51,57 154,163 193		LFSKRTU	SCAO	Y	140	MNA OR MNB OR MNF OR NFD	SW
NFL	FLEXIBLE ANI PROVISIONING ENHANCEMENTS	51,57 163		MFANIPE	FAPE	Y	142	--	SW
NFM	CALL WAITING DELUXE-PHASE 1	51		CWDRTU	CWD1	Y	145	NFK	SW
NFN	CALLING ID DELIVERY ON CW/LINE RTU	51		MLLNCID CW	CIDD				LINE
NFO	SW-CPE ANALOG OH FSK/LINE RTU	51		MLLNFSK RTU	CPEA				LINE
NFP	CALL WAITING DELUXE - PH 1/LINE RTU	51		MLNCWD RTU	CWDL				LINE
NGA	CCS7 PER SWITCH	51,57		CCS7SW	IC7N			--	SW
NGB	CCS AM REAL TIME RELIEF (DLN) SWITCH	51,57		CCAMSW	ICAN			MDE OR MDF OR MDG	SW
NGC	CCS7/GROWTH SWITCH	51,57 90		CCS7GR	IC7G			--	GROWTH SW
NGD	CCS7 AM REAL TIME RELIEF (DLM)/GROWTH SWITCH	51,57 90		CCAMGR	ICAG			MDE OR MDF OR MDG	GROWTH SW
NHA	SELECTIVE CARRIER DENIAL/PER SWITCH	51,57 163		SCDSW	SCDN	Y	13	--	SW
NHB	INTERFACE TO MFOS/PER SWITCH	51,57		IMFOSSW	IMFN			--	SW
NHC	CLASS 4X OFFICE (ISP)/SWITCH	51,57		CLAS4SW	CLON			--	SW

*** CONTINUED ***

** CONTINUED **
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
NHE	INTERFACE TO MFOS PER GROWTH SWITCH	51,57 90		IMFOSGR	IMFG			--	GROWTH SW
NHF	SELECTIVE CARRIER DENIAL/GROWTH SWITCH	51,57 163,90		SCDGR	SCDG	Y	13	--	GROWTH SW
NHG	CLASS 4X OFFICE (ISP)/GROWTH SWITCH	51,57 90		CLAS4GR	CLOG			--	GROWTH SW
NIJ	ACCS THANK YOU BRANDING TIMER	51,57 163		MOACCSTY	ATYB	Y	390	--	SW
NIL	TELECONFERENCING SERVICES SIGNALING INTERFACE	51,57 163		MOTELSER	TSSI	Y	391	--	SW
NIP	EARLY POSITION RELEASE FOR INTERNATIONAL CALLS	51,57 163		MOEARPUS	EPRI	Y		--	SW
NIQ	800 ACCESS USING GROUP D SIGNALING ALLOW OPERATOR ENTERED 800 NUMBERS	51,57		MO800ACC	AUGD				SW
NIR	OSPS CUSTOMER-CONTROLLED RECONNECT TO LS/DA	51,57 163			OCCR	Y	381	MMQ OR MTQ	SW
NIS	BNS QUERY MESSAGE ENHANCEMENTS	51,57 163		MOBNSQMS	BQME	Y	393	MAS,MMK	SW
NIT	DIOR NRA	51,57 88		MODIONRA	DNRA			--	SW
NIU	PURCHASE LIMITS BALANCE QUOTATION FOR BUSINESS/RESIDENCE CARDS	51,57 88,163		MOPURLIM	PLBQ	Y	400	J5D008AC-1 LIST TBL	SW
NIV	AATOS FRAUD CONTROL	51,57 88,163		MOFRAUD1	AAFQ	Y	401	--	SW
NJA	DIRECT CONNECT THRU ACVT FOR ANALOG LINES	51,57 163		ISDCAL	DCAA	Y	12	MID	BRI
NKC	NATIONAL ISDN BASE	51		NISIBLN	NAIB			MFT OR MGK OR MFU OR MFZ	LINE
NLA	END-TO-END CALL TRACE GROWTH SWITCH	51,57 90		ETECTGR	PSTG			MDG	GROWTH SW
NLB	SUPPRESSED RINGING - BTP	51,57 163		MSUPPRE- SSRNG		Y	186	--	BUYOUT
NMA	MULTI-LEVEL PRECEDENCE AND PREEMPTION ON PRIMARY RATE INTERFACE	51		MLPPPR1	MLPP			MHC OR MHH OR MHB,MWY	PRI
NMB	INTERCHANGEABLE NPA CODES FOR FTS2000/TOLL	51		INPAFTS	INFT			MZO	SW
NPA	AINET LASS - INTELLIGENT INTWK GENERIC ADDRESS PARAMETER IMPLEMENTATION	51,163		MIPGAP	ALI	Y	146	NBB,NPB NPE	SW
NPB	ASP BRCS/OHD INTERWORKING	51,163		MBRCSOHD	ABOI	Y	137	NBB	SW
NPC	ASP DEFAULT ROUTING FOR TERMINATION ATTEMPT TRIGGERS	51,163		MASPTAT	ATAT	Y	136	NBB	SW
NPD	ASP BUSY/NO ANSWER SUBSEQUENT EVENT DETECTION	51,163		MAINASED	AABN	Y	147	NBB	SW

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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
NPE	ASP INTERWORKING WITH N-ISDN	51,163		MALIWNISDN	AINI	Y	139	NBB	SW
NPF	ASP - DISTICTIVE RINGING	51,163		MAIASPDR	ASDR	Y	135	NBB	SW
NPG	ASP - NETWORK ELEMENT SERVICES SIGNALING	51,163		MNESS	ANES	Y	185	NBB	SW
NPH	ASP MULTIPLE RATE CENTER SUPPORT	51,57 163		AIMRCS	AMRC	Y	162	NBB	SW
NPI	ASP - INTERWORKING WITH ISDN ATTENDANT	51,163		MIWISAT	AAII	Y		NBB	SW
NPJ	ASP-LASS/OHD INTERWORKING	51,163		MALASS-OHD	AALO	Y		NBB, (MNA OR MNB), (MNG OR MNH), MNU	SW
NPK	ASP - INTERWORKING WITH SMDR	51,163		MIWSMDR	AAIS	Y	148	NBB	SW
NPL	ADD-ASP OHD INTERACTIONS WITH ACCOUNT CODES, CPN/BN AND MULTI-LINE HUNT GROUPS	51,163		MAIOHD-ACCPN	AAAO	Y	150	NBB	SW
NPP	DIALED NUMBER TRIGGER (DNT) PRE-QUERY SCREENING	51,57 163		AIDNTPS	DNT	Y	152	NBB	SW
NPQ	ASP DEFAULT ROUTING FOR 3/6/10 DIGIT TRIGGERS (PHASE I)	51,57 163		AIDRDTI	ADR	Y	153	NBB	SW
NPS	ASP INTERWORKING WITH CUSTOM ISDN	51,57 163		AIIWCIS	ATCI	Y	139	NBB	SW
NQA	DCLU AND IDCW TR008 MODE I DUAL CIRCUIT FX PLUG INTERFACE	51,163		MDCFXRT	DITM	Y	144	--	OFFICE
NRT	ANI OVER PRIVATE FACILITIES/DS1	51,57 163		ANIPRDS	APFD	Y	5	--	SW
NSA	PROTOCOL MONITORING TRANSLATOR FOR NATIONAL ISDN SPECIAL FEATURE	51,163		MNISDN-PMT	PMTN	Y	151	MVW	SW
NSI	SCCS SURVEILLANCE OS SYSTEM	51		SCCS_SRV	SSOS			--	SW
NTF	CENTREX PRI ENHANCEMENT RTU	51,163		MISCPPI	CPER	Y	105		PRI
NTG	REDIRECTING NO. DELIVERY ON PRI	51,57 163		NIREDNA	RNDP	Y	161	--	SW
NUA	EXTENDED SWITCHING MODULE-2000 (EXM 2000) BASIC RTU	51,57		EXMRTU	EXMB				EXM-2000 SLICE
NUB	EXTENDED SWITCHING MODULE-2000 (EXM-2000)	51,57		EXMSART	EXMS				EXM-2000 SLICE
NVA	LASS I PACKAGE/Slice	51		CLASLRTU	LIPS			--	SLICE/SITE
NVB	LASS AUTOMATIC CALLBACK/Slice RTU	51		MLCBSLRT	LACS			--	SLICE/SITE
NVC	LASS AUTOMATIC RECALL/Slice RTU	51		MLARSLRT	LARS			--	SLICE/SITE
NVD	LASS CUSTOMER ORIG. TRACE/Slice RTU	51		MLOTSLRT	LCOS			--	SLICE/SITE

*** 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
NVE	LASS ICLID/Slice RTU	51		MLICSLRT	LIS			--	SLICE/SITE
NVF	LASS II PACKAGE/Slice RTU	51		CL2SLRTU	LIIP			--	SLICE/SITE
NVG	LASS SELECTIVE CALL REJ/Slice RTU	51		MLSCRSLR	LSCS			--	SLICE/SITE
NVH	LASS SELECTIVE CALL ACC/Slice RTU	51		MLSCASLR	LSB			--	SLICE/SITE
NVI	LASS SELECTIVE CALL FWD/Slice RTU	51		MLSCFSLR	LSD			--	SLICE/SITE
NVJ	LASS SELECTIVE DIST ALERT/Slice RTU	51		MLSDASLR	LSDS			--	SLICE/SITE
NVK	ALT LANGUAGE LASS ANNOUNCEMENT RTU	51		MLALARTU	ALLA	Y	119		SW
NVL	ANALOG CALLING NAME DEL./LINE RTU	51,163		MLLNAA-NCNA	ACN	Y	40		LINE
NVM	TYPE 2A/2B CELLULAR INT VIA SS7	51,57 163		TYP2A2B	2A2B	Y	160	--	SW
NWB	FREQUENCY DIVISION MULTIPLE ACCESS (ANALOG)	51,57 163,252	DA	MFDMARTU	FDMA	Y	130	--	CHANNEL
NWC	TIME DIVISION MULTIPLE ACCESS (TDMA)	51,57 163,252	DA	MTDMARTU	TDMA	Y	130	--	CHANNEL
NWD	LINE CELLULAR OPTION	51,57 252		MLCORTU	LCOW			--	SW
NWF	ACCESS MANAGER COMMUNICATION PACKAGE	51		MAMCPRTU	AMCP				SW
NWG	FREQUENCY DIVISION MULTIPLE ACCESS (ANALOG)	51,57 163,252		MFDMA2RTU	FDA	Y	130	--	CHANNEL
NWH	TIME DIVISION MULTIPLE ACCESS (TDMA)	51,57 163,252		MTDMA2RTU	TDA	Y	130	--	CHANNEL
NXB	OSPS ENHANCEMENTS TO DA AND DACC FOR WIRELINE AND NON-WIRELINE USERS PER ARU T1 SPAN	51,57 163		MOEDAARU	OED2	Y	117	MTQ	ARU T1 SPAN
NXC	SCREENING FOR REAL TIME CALL DETAILS	51,57 88,163		OSSRTCD	OSRT	Y	366	MAM	SW
NXD	FEATURE GROUP D, INCOMING SIGNALING FOR SPECIAL APPLICATIONS (RELEASE 2)	51,57 88,163		OFDGR2	FISS	Y	373	NCC	SW
NXE	DIRECT CONNECT FEATURE GROUP D ACCESS TO OSPS	51,57 163		MOSDCFGD	FDCA	Y	379	MAM	SW
NXF	CARRIER SPECIFIC BRANDING ON SEIZURE FOR ACCS & ACTS	51,57 163		OCSBRAA	CSBS	Y	378	MAM	SW
NXG	RECALL FROM SUBSCRIBER DEACTIVATION	51,57 88,163		ORESUBD	RSD	Y	376	--	SW
NXH	ENHANCED AMA FOR LISTING SERVICES	51,57 163		MOSENAME	EALS	Y	369	MAL,MAJ	SW
NXI	CALLING CARD SCREENING BY CARRIER	51,57 163		OSCCSC	OCSC	Y	374	MAM	SW
NXJ	TCS SCREEN CODE EXP	51,57		OTCSSCE	TSCE	Y	375	--	SW

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** CONTINUED **
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
		88,163					288		
NXK	NETWORK ACCESS INTERRUPTION FOR OSPS AND 5ESS TOLL	51,57 88,163		ONAIOST	NAI	Y	380	--	SW
NXL	DIOR COUNTRY PAIR SCREENING - RELEASE 2	51,57 88		MOSDICPS	DCP2			MMF, MXN	SW
NXM	QUANTUM SEQUENCE CALL HANDLING	51,57 88			QSCH			MUH, MUZ	SW
NXO	800 ACCESS USING FEATURE GROUP D SIGNALING	51,57 163		0800FGD	AUFD	Y	377	--	SW
NXP	DIOR FORWARD NUMBER INTER-DIGIT TIMING CHANGES	51,57 88,163			DFID	Y	382	--	SW
NXQ	DIOR AUTOMATED INITIAL CALLS - RELEASE 3	51,57 88			DAI3			MMF, MUE MYA	SW
NXR	AUTOMATED SERVICE ACCESS PROMPTING (ASAP)	51,57 163			ASAP	Y	384	--	SW
NXS	INMATE CALLING SERVICES	51,57 163		MOINMATE	ICS	Y	385		SW
NXT	INTERNATIONAL BILLED NUMBER SCREENING (IBNS - RELEASE 2)	51,57 163		MOIBNSR2	IBN2	Y	386	NXK	SW
NXU	OSPS ADMINISTRATIVE PROCESSOR OAP-2	51,57 251		OAP2RTU	OAP2			MTR OR MTZ AND/OR MAM	OAP
NXV	OSPS DA BACK NUMBER ENTRY AND ANI DISPLAY	51,57		OBKNULS	ODBN			MTR, MTZ	SW
NXW	TPR EXPANSION FOR INTERNATIONAL NUMBERS	51,57 163		MOTEXPAN	TEIN	Y	387	NCX	SW
NXY	ACCS FOR COMMERCIAL CREDIT CARDS (CCC)	51,57 163		MOSACC- SCCC	ACCC	Y		MMT	SW
NXZ	AMA RECORDING OF THE ACCESS ID FOR CAP CALLS	51,57 163		MOAMACAP	ARAI	Y	392	--	SW
NYA	FAR ACCESS REMOTE	51,163		FARACCE	FAR	Y	184	--	SW
NZA	INTERFACE TO MFOS/Slice RTU	51		MIMFOSSL	IMSR			--	SLICE/SITE
NZB	CLASS 4X OFFICE (ISP)/SLICE RTU	51		MCLAS4SL	C4XR			--	SLICE/SITE
NZC	DCIS6/Slice RTU	51		MDCISSL	DCIX			--	SLICE/EXTN
NZD	CCSA RTU	51		MCCSASL	CCSA			--	SLICE/SITE
NZE	CCS ENH - DOMAIN CONTROLLED ROUTE RTU	51		MCCEHSL	CEDC			MDG OR NZM	SLICE/EXTN
NZF	CCS7 NETWORK INTERCONNECTION RTU	51		MC7NICSL	C7N			MDG OR NZM OR MZI OR MDE	SLICE/EXTN
NZG	TRK RESERVATION - AUTO RES ARRANGE RTU	51		MTKRESSL	TRA				SLICE/EXTN
NZH	OSO & NCD PACKAGE RTU	51		MOSNCSL	ONP			MDC OR NZC OR NZI OR MDF OR MDE OR NZJ	SLICE/EXTN

*** CONTINUED ***

** CONTINUED **
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
NZI	ECIS6/CCIS6 & CCS7/Slice RTU	51		MECICCSL	ECCS				SLICE/EXTN
NZJ	ECIS6/CCIS6/Slice RTU	51		MECISL	ECS				SLICE/EXTN
NZK	ECIS6/CCIS6 UPDATE TO CCS7/Slice RTU	51		MECUC7SL	ECU			MDF OR NZJ	SLICE/EXTN
NZL	REVERTIVE PULSING/Slice RTU	51		MRVPLSL	RPS			--	SLICE/EXTN
NZM	CCS7/Slice RTU	51		MCCS7SL	C7S			--	SLICE/EXTN
NZN	CCS AM REAL TIME RELIEF (DLN) Slice RTU	51		MCCANSL	CART			MDF OR MDG OR MZJ OR NZM	SLICE/EXTN
NZO	CCS7 CAPAC ENHANCEMENTS (DLN30) RTU	51		MCCE30SM	C7CE			--	SM/EXTN
NZP	CCS7 CAPAC ENHANCEMENTS (DLN30) RTU	51		MCCE30SL	C7C			--	SLICE/EXTN
NZQ	UPGRADE FROM DLN TO DLN30 RTU	51		MUPDLN30	UDDR			MKA	SM/EXTN
NZR	SELECTIVE CARRIER DENIAL/Slice RTU	51		MSCDSL	SCDS	Y		--	SLICE/EXTN
NZS	TOLL MAINTENANCE - ADMINISTRATION PACKAGE RTU	51		MTMTCASL	TMA			--	SLICE/EXTN
NZT	CARRIER INTERCONNECT - TOLL/Slice RTU	51		MCISLRT	CITS			--	SLICE/SITE
NZU	TOLL OAGM ENHANCEMENT RTU	51		MTOAMSL	TOER			MDE OR MDG OR NZI OR NZM	SLICE/EXTN
NZV	COMMON CONTROL SWITCH ARRANGEMENT	51,57		MCCSARTU	CCSA			--	SM/SITE
PAA	END-TO-END CALL TRACE/Slice RTU	51		METECTSL	EEC			MDG OR NZM	SLICE/EXTN
PBA	BASIC NAIL-UP/Slice RTU	51		MBNAILSL	BNUR			--	SLICE
PDA	TOLL-FREE FOR NPA 888 PHASE 1 RTU	51		MTFNPA- 888	TFNF			--	BUYOUT
PDB	AUTOMATED CLOSE-END BRANDING FOR OPERATOR HANDLED CALLS	51,57 88,163		MOACLOSE	ACEB	Y	404	J5D008AC-1 LIST TBQ	SW
PDC	OSPS QUIET HEAR SERVICE	51,57 88,163		MOQUIE- TH	OQHS	Y	402	J5D008AC-1 LIST TBG	SW
PDD	AATLSOS AUTOMATED ACCESS PROMPTING	51,57 88,163		MOAAUTO	ATAA	Y	403	J5D008AC-1 LIST TBU	SW
PDE	ALLOW LEADING 1 AND 011 FOR AUTOMATED PHONE NUMBER COLLECTION	51,57 88,163		MOALLOW1	LAPC	Y	406	J5D008AC-1 LIST TBV	SW
PDH	DIOR CALLING CARD ANNOUNCEMENT CHANGE	51,57 88		MODIORAN	DCCA			NXY	SW
PEA	5E TOLL CONNECTION ROUTING AND BILLING ENHANCEMENT	51,57 163		MTOLLCRB	TCRB	Y	154	--	SW
PEB	5E TRUNK TRIGGER FOR TOLL	51,57		MTOLLTRK-	TTFT	Y	159	--	SW

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5ESS SWITCHING EQUIPMENT SPECIFICATION FOR 5ESS COMPACT DIGITAL EXCHANGE (CDX) AND 5ESS VERY COMPACT DIGITAL EXCHANGE (VCDX) FOR U.S. APPLICATIONS FOR SOFTWARE RELEASE 5E9(2)	
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** CONTINUED **
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
		163		TRIG					
PEC	5E ROUTING ON CIP	51		MCIPRTG	RCIP	Y		--	SW
PED	5E TDX BASIC CALL PROCESSING	51		MTDXCP	TDXB	Y		--	SW
PEE	5E ASP INTERFACE	51		MASPINT	ASPI			--	SW
PEF	LONG DISTANCE ACCOUNT CODES	51		MLDA- CODE	LDAC	Y		--	SW
PFA	FACR + RTU	51		MFACR- PLUS	FACR			--	MAIN SWITCH
PHA	AT&T CSG CUSTOMER CON- NECTIVITY FEATURE PACKAGE	51		CATCSG- CONN	CSGC	Y		--	SW

TABLE AB

TABLE AB		
BLANK TAPES REQUIRED WHEN RETROFITTING TO 5E9(2)		
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

TABLE AC

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. .
HOW ARE WE DOING?
. .
DOCUMENT TITLE: 5ESS SWITCH
. .
DOCUMENT NUMBER: J5D052B-1

AT&T WELCOMES YOUR FEEDBACK ON THIS DOCUMENT. YOUR COMMENTS CAN BE OF GREAT VALUE IN HELPING US IMPROVE OUR DOCUMENTATION.

1. PLEASE RATE THE EFFECTIVNESS OF THIS DOCUMENT IN THE FOLLOWING AREAS:

	EXCELLENT	GOOD	FAIR	POOR
EASE OF USE				
CLARITY				
COMPLETENESS				
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2. PLEASE CHECK THE WAYS YOU FEEL WE COULD IMPROVE THIS DOCUMENT:

- IMPROVE THE TABLE OF CONTENTS
- ADD MORE DETAILS
- MAKE IT MORE CONCISE/BRIEF
- ADD MORE STEP-BY-STEP PROCEDURES
- MAKE IT LESS TECHNICAL
- ADD MORE/BETTER QUICK REFERENCE AIDS

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