

ISSUE NOTES (CONTINUED)				
H8393: ADD GROUP 62, CONSISTING OF ITEM 4250, 848128278 BT VOICE CABLE FOR THE EIPB IN THE ICW. ADD NOTE 71. DA'D GROUP 32. LINED OUT 2610, ADDED 2611. LINED OUT 2590, ADDED 2591. ORIG ISS: 05/10/90 NDD NBR: NDD5X231NW-13 CHANGE CLASS: B				
DRAFT: PJV	ENGR: PJV	SUPV: FNG	CERTIFIED: 08/17/98	ISSUE: 17
H8359: ADDED: GRP'S 21A, EIPB AND GRP'S 16A, 19A, 50A & 57 INTERNATIONAL KEYBOARDS. CHG: LINED OUT ITEM 4120 AND REPLACED IT WITH 4121. DA'D: GRP'S 16 AND 21. H8422: ADDED: GRP'S 60A AND 61A, ITEMS 4260 AND 4270. REFERENCE TO GRP'S 60A & 61A TO ITEMS 4117 AND 4121. CHG: DA'D GRP'S 60, 61 REPLACED WITH 60A & 61A DA'D GRP. 29 NO REPLACEMENT. REM: "DA" FROM GRP. 16 AND DELETED GRP. 16A. ORIG ISS: 05/10/90 NDD NBR: NDD5X231NW-14 CHANGE CLASS: B				
DRAFT: OW	ENGR: OW	SUPV: FNG	CERTIFIED: 03/30/99	ISSUE: 18
H8648: ADDED: GRP'S 58, 60B AND 61B, ITEMS 4280, 4261 AND 4271 REFERENCE TO GRP'S 60B AND 61B TO ITEMS 4117 AND 4121. DA'D GRP'S 60A AND 61A REPLACED BY 60B AND 61B. ORIG ISS: 05/10/90 NDD NBR: NDD5X231NW-15 CHANGE CLASS: B				
DRAFT: OW	ENGR: OW	SUPV: FNG	CERTIFIED: 04/20/99	ISSUE: 19
H8824: REMOVED REF. TO "S" NOTE ON ALL ACTIVE ITEMS. ORIG ISS: 05/10/90 NDD NBR: NDD5X231NW-17 CHANGE CLASS: MF				
DRAFT: OW	ENGR: OW	SUPV: FNG	CERTIFIED: 12/16/99	ISSUE: 20
H09380: ADDED G60C AND SL ITEM 4262, 4117 & 4121 FOR G60C DA'D G16, G26, AND G60B AND 61B WAS REPLACED WITH 60C. ORIG ISS: 05/10/90 CHANGE CLASS: B				
DRAFT: OW	ENGR: OW	SUPV: FNG	CERTIFIED: 07/13/01	ISSUE: 21

ISSUE NOTES (CONTINUED)				
LIST 34A,35,36 & 38A RATING WAS "STANDARD", LIST 42A RATING WAS "NRTO", LISTS L,M & N DESCRIPTION READ "REQD. IN ADDITION TO LIST 49"; IN SL, ITEM 2625 REMVD., 2920 & 2930 LINED OUT, 2921 & 2931 ADDED. ORIG ISS: 05/10/90 CHANGE CLASS: ME				
DRAFT: TMR	ENGR: OW	SUPV: FNG	CERTIFIED: 04/22/94	ISSUE: 10
DA'D G49 & H, ADDED G52 AND ITEMS 4105,4110,4115 AND 4120 ORIG ISS: 05/10/90 CHANGE CLASS: B				
DRAFT: OW	ENGR: OW	SUPV: FNG	CERTIFIED: 12/12/94	ISSUE: 11
ADDED NEW GPI 500 TYP GRP'S RATED "LA" AND ITEMS 6000 TO 6320 ORIG ISS: 05/10/90 NDD NBR: NDD5X231NW-6 CHANGE CLASS: MF				
DRAFT: OW	ENGR: OW	SUPV: FNG	CERTIFIED: 02/10/95	ISSUE: 12
THIS CHANGE REPLACES THE GIS515 WITH THE GIS520 AS THE ICW AND REPLACES THE IPIB WITH THE NEW EIPB. ORIG ISS: 05/10/90 NDD NBR: NDD5X231NW-7 CHANGE CLASS: B				
DRAFT: OW	ENGR: OW	SUPV: FNG	CERTIFIED: 12/19/95	ISSUE: 13
DA'D GRP'S 53 AND 501 AND ADDED GRP'S 54, 55, 56, 503, 504 550, 551 AND P. ORIG ISS: 05/10/90 NDD NBR: NDD5X231NW-8 CHANGE CLASS: B				
DRAFT: OW	ENGR: OW	SUPV: FNG	CERTIFIED: 04/18/96	ISSUE: 14
DA'D GRP'S. 24, 43, 44A, 512, M, N AND L. REPLACED GRP. 17 WITH 17A, ADDED ITEM 2851, LINED OUT ITEM 2850. ORIG ISS: 05/10/90 NDD NBR: NDD5X231NW-9 CHANGE CLASS: ME				
DRAFT: OW	ENGR: OW	SUPV: FNG	CERTIFIED: 12/19/96	ISSUE: 15
H8147 - DA'D GRP'S 54 AND 55 AND REPLACED THEM WITH GRP'S 60 & 61 ADDED REF. TO GRP'S 60 & 61 TO TA DESCRIPTION OF GRP. 56. LINED OUT ITEM 1174 AND REPLACED IT WITH ITEM 1175. UPDATED FROM AT&T TO LUCENT. CHTOW2- DA'D ALL GPI (500) TYPE GROUPS. ORIG ISS: 05/10/90 NDD NBR: NDD5X231NW-10 CHANGE CLASS: B				
DRAFT: OW	ENGR: OW	SUPV: FNG	CERTIFIED: 05/14/97	ISSUE: 16

ISSUE NOTES				
ORIG ISS: 05/10/90 CHANGE CLASS:				
DRAFT: PKK	ENGR: TMR	SUPV: EJZ	CERTIFIED: 05/10/90	ISSUE: 1
SL ITEM 1240 GROUP READ 15. ORIG ISS: 05/10/90 CHANGE CLASS: M				
DRAFT: TMR	ENGR: TMR	SUPV:	CERTIFIED: 06/26/90	ISSUE: 2
IN SL ITEM 1270 PROD IDENT READ 601296585. ORIG ISS: 05/10/90 CHANGE CLASS: M				
DRAFT: TMR	ENGR: TMR	SUPV:	CERTIFIED: 09/10/90	ISSUE: 3
GROUP 5 & 9 TO 15 RATED "DA", GROUP 18 THRU 27, D THRU G ADDED; SL ITEM 1010 AND 1340 LINED OUT, ITEMS 1341, 1370 THRU 1610 ADDED, NOTE 62 ADDED. ORIG ISS: 05/10/90 NDD NBR: NDD5X231NW-2 CHANGE CLASS: B				
DRAFT: TMR	ENGR: TMR	SUPV:	CERTIFIED: 06/21/91	ISSUE: 4
TBL A, GRP 6, 18 OR 28 ADDED TO DESCRIPTION, GRPS 28 & 29 ADDED, REF TO GRP 28 ADDED TO GRPS 19 & 21 THRU 27, GRP G RATED DA; NOTE 62 REF TO J5X111A ADDED; SL ITEM 1160 LINED OUT, ITEM 1174 GRP READ 6, ITEMS 1620 THRU 1660 ADDED; NOTE 13 ADDED. ORIG ISS: 05/10/90 NDD NBR: NDD5D231NW-3 CHANGE CLASS: B				
DRAFT: TMR	ENGR: TMR	SUPV: EJZ	CERTIFIED: 10/01/91	ISSUE: 5
NOTE 63 ADDED; IN TABLE A, GROUPS 1 AND 2 RATING WAS "STANDARD", GROUPS 16 AND 17 REF TO GROUPS 18 AND 28 ADDED, GROUP 18 REF TO VOLTAGE ADDED, GROUPS 30 THRU 36, 50, 51 AND H ADDED, GROUP F REF TO GROUP 28 ADDED. NOTES 15 THRU 17 ADDED. NOTES 15 THRU 17 ADDED; STOCKLIST ITEMS 1390 AND 1640 LINED OUT, 1670 THRU 2010 ADDED. ORIG ISS: 05/10/90 NDD NBR: NDD5X216NW-10 CHANGE CLASS: B				
DRAFT: TMR	ENGR: TMR	SUPV: PK	CERTIFIED: 02/02/93	ISSUE: 6
LISTS 18 & 28 RATING WAS "STANDARD", 18A & 28A ADDED. ORIG ISS: 05/10/90 NDD NBR: NDD5X216NW-11 CHANGE CLASS: ME				
DRAFT: TMR	ENGR: TMR	SUPV: PK	CERTIFIED: 02/17/93	ISSUE: 7
SHEET INDEX UPDATED. ORIG ISS: 05/10/90 CHANGE CLASS: ME				
DRAFT: TMR	ENGR: TMR	SUPV: PK	CERTIFIED: 02/17/93	ISSUE: 8
H7158 - NOTES 64, 65 & 66 MODIFIED, NOTES 67 & 68 ADDED, GROUPS 4, 18A, 20, 28A, 34, A, B & C RATING WAS "STANDARD", LISTS 37, 38, 42, 44, J & K ADDED FOR RECORD AND RATED "DA", LISTS 38A THRU 49, L, M & N ADDED; TABLES AA & AB ADDED. ORIG ISS: 05/10/90 CHANGE CLASS: B				
DRAFT: TMR	ENGR: OW	SUPV: FNG	CERTIFIED: 02/04/94	ISSUE: 9

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ISSUE										
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5ESS* SWITCHING EQUIPMENT SPECIFICATION FOR INTELLIGENT COMMUNICATION WORKSTATION EXPORT * LUCENT TECHNOLOGIES TRADEMARK	
DWG SIZE C2	ISSUE 21
LUCENT TECHNOLOGIES INC ED5X231-30	
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TABLE A-FEATURES											
EQUIPMENT		EQUIPMENT OR CIRCUIT DATA						SD EQUIVALENT			
DESCRIPTION	REF NOTE	RAT-ING	LIST OR GROUP	QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
EQUIPMENT REQUIRED FOR A BASIC SERVICE INTELLIGENT COMMUNICATION WORKSTATION 110V, 60HZ. (SEE NOTE 62). DA EFF:02/02/93 FE:ED5X231-30,G18		DA	1	1							
EQUIPMENT REQUIRED FOR A BASIC SERVICE INTELLIGENT COMMUNICATION WORKSTATION 220V, 50HZ. (SEE NOTE 56). DA EFF:02/02/93 FE:ED5X231-30,G28		DA	2	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 OR 2 TO PROVIDE AN ENGLISH LANGUAGE KEYBOARD. DA EFF:02/02/93 FE/RA:NONE		DA	3	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1,18A OR 28A TO PROVIDE A CHINESE LANGUAGE KEYBOARD. DA EFF:02/04/94 FE:ED5X231-30,G51		DA	4	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 OR 2 TO PROVIDE ONE INTELLIGENT PC INTERFACE BOARD. DA EFF:02/02/93 FE/RA:NONE		DA	5	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1,2,18 OR 28 TO PROVIDE CONFERENCE SERVICE. (SEE NOTE 60). DA EFF:02/02/93 FE/RA:NONE		DA	6	1							
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO GROUP 1 OR 2 TO PROVIDE A VIDEO ADAPTER BOARD. DA EFF:02/02/93 FE/RA:NONE		DA	7	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE AN EXPANDED MEMORY BOARD FOR CHINESE LANGUAGE. DA EFF:02/02/93 FE/RA:NONE		DA	8	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 OR 2 TO PROVIDE ONE OPERATORS HEADSET, IN THE EAR TYPE. (SEE NOTE 53).		DA	9	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 OR 2 TO PROVIDE ONE SUPERVISORS HEADSET, IN THE EAR TYPE. (SEE NOTE 53).		DA	10	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 OR 2 TO PROVIDE ONE OPERATORS HEADSET, OVER THE EAR TYPE. (SEE NOTE 53).		DA	11	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 OR 2 TO PROVIDE ONE SUPERVISORS HEADSET, OVER THE EAR TYPE. (SEE NOTE 53).		DA	12	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 OR 2 TO PROVIDE ONE BINAURAL HEADSET, OVER THE EAR TYPE. (SEE NOTE 53).		DA	13	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 OR 2 TO PROVIDE ONE AGENT HEADSET WITH CENTER DISCONNECT, OVER THE EAR TYPE. (SEE NOTE 53).		DA	14	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 OR 2 TO PROVIDE ONE AGENT HEADSET WITH CENTER DISCONNECT, IN THE EAR TYPE. (SEE NOTE 53).		DA	15	1							

TABLE-A CONTINUED

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ENGINEERING NOTES

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66. IT IS RECOMMENDED THAT THE IPIB BOARD BE INSTALLED IN CPU SLOT 2.
67. CABLE SHOWN IN THE STOCKLIST IS THE MINIMUM LENGTH. IF LONGER CABLES ARE REQUIRED OMIT THE ONE IN THE STOCKLIST AND ORDER THE DESIRED LENGTH FROM TABLE AA OR AB.
68. GROUND WIRE IS TO BE OFFICE ENGINEERED FOR LENGTH. ONE END IS TO BE EQUIPPED WITH A RING TERMINAL (AMP 34160 CC# 405932997 OR EQUIVALENT). THE OTHER END IS TO BE EQUIPPED WITH A FASTON TERMINAL (AMP 42332-2 CC# 401779061 OR EQUIVALENT).
69. THE EPIB REQUIRES THE FOLLOWING OR LATER LOAD FOR EACH SOFTWARE RELEASE:

SOFTWARE RELEASE:	LOAD
5EE7.1	V16.0.2
5EE6.2	OPR6.1.2
5EE6.1	HPR3.0.1.3
5EE5.2	FPR5.0.2.5
70. THIS LIST IS GENERALLY NOT AVAILABLE, BUT IS INTENDED TO SUPPORT FACTORY OFFLOADS FROM NETWORK SYSTEMS INTERNATIONAL (NSI).
71. SOURCING LOCATION FOR ALL ITEMS IS KANSAS CITY, LOCATION CODE KAKA.

ENGINEERING NOTES

51. INFORMATION FURNISHED PER THIS DRAWING IS IN ACCORDANCE WITH AT&T PRACTICES-NONE.
52. THIS DOCUMENT CONTAINS COMPLETE ENGINEERING INFORMATION FOR THE SUBJECT EQUIPMENT. JOB INFORMATION SHALL BE RECORDED BY LIST OR GROUP.
53. HEADSETS MUST BE COMPATIBLE WITH TRANSMIT DC RESISTANCE LESS THAN 150 OHMS AND CANNOT PROVIDE AN ECHO PATH. MUTE BUTTONS OR KEYS SHOULD ONLY BE OPERATED BY SUPERVISORY PERSONNEL. HEADSETS WITH OPERATOR ACCESSIBLE VOLUME OR GAIN CONTROLS OTHER THAN THOSE LISTED ARE NOT RECOMMENDED OR SUPPORTED. HEADSETS OTHER THAN THOSE LISTED MAY BE USED, HOWEVER, TO PREVENT HEARING DAMAGE, THESE HEADSETS MUST MEET THE REQUIREMENTS AS SPECIFIED IN THE SPECIFIED KS SPECIFICATIONS AS TESTED BY KS23081. QUALIFICATION AND SUPPORT OF ANY OTHER HEADSET IS THE RESPONSIBILITY OF THE VENDOR AND CUSTOMER.
54. CABLE LENGTH TO BE JOB ENGINEERED.
55. IT IS RECOMMENDED THAT THE ICW BE PROVIDED WITH PROTECTED POWER WHEN EVER POSSIBLE.
56. EQUIPMENT MUST BE MODIFIED BY INSTALLATION FORCES WHEN 220V, 50HZ OPERATION IS REQUIRED.
57. EXPANDED MEMORY BOARD IS REQUIRED ONLY IF CHINESE CHARACTER SOFTWARE FEATURE IS INCORPORATED.
58. SLOT NUMBERS ARE MOLDED INTO THE BACK COVER OF THE PC, 'P' NUMBERS ARE CONNECTOR LOCATIONS ON THE BUS ADAPTER BOARD.
59. ONLY ONE GROUP A IS REQUIRED FOR EACH FOUR GROUP 6 ORDERED.
60. SEE THE OSPS INTERNATIONAL APPLICATION SCHEMATIC SD5X214-01 FOR FURTHER INFORMATION ON THE CONFERENCING FEATURE.
61. DISCARD POWER CORD SHIPPED WITH SONY MONITOR AND REPLACE WITH 406170977 POWER CORD PROVIDED.
62. SOFTWARE FOR THE ICW IS ORDERED PER THE APPLICATION SOFTWARE DRAWING J5X110A-1 FOR 5EE4(1) AND DRAWING J5X111A-1 FOR 5EE4(2).
63. MICROSOFT WINDOWS, SOFTWARE VERSION 3.0 OR LATER IS TO BE OBTAINED LOCALLY.
64. DO NOT STRING D8W87 TYPE CORDS TO COVER DISTANCES GRATER THAN 14 FEET (4.3 M). IF ADDITIONAL MODULAR CORD IS NEEDED TO CONNECT THE PC NAU TO THE STARLAN 10 NETWORK USE DW8A-DE SUITABLE FOR ROOM CONNECTIONS OR DP8WB-DE FIRE-RESISTANT, LOW SMOKE PRODUCING, PLENUM TYPE CORD IS TO BE USED WHEN MAKING CONNECTIONS THROUGH CEILINGS, WALLS AND PLENUMS. WHEN MAKING CONNECTIONS WITH PLENUM CORD, CONSULT LOCAL ORDINANCES FOR PROPER USAGE. CORDS ARE AVAILABLE IN THE FOLLOWING LENGTHS:

DW8A-DE		
-----		
10'	(3.0 M)	106451982
25'	(7.6 M)	106451990
50'	(15.2 M)	106452006
75'	(22.8 M)	106452014
100'	(30.4 M)	106452022
150'	(45.7 M)	106452030
200'	(60.9 M)	106452048
:		
DP8WB-DE		
-----		
10'	(3.0 M)	103935797
25'	(7.6 M)	103935805
50'	(15.2 M)	103935813
75'	(22.8 M)	103935821
100'	(30.4 M)	103935839
150'	(45.7 M)	103935847
200'	(60.9 M)	103935854
65. IT IS RECOMMENDED THAT FOR THIS FEATURE THE ICW BE EQUIPPED WITH "WINDOWS" (ED5X231-30, GROUP 34 OR 34A).  
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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
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO GROUP 1, 2, 18, 18A, 28, 28A OR 49. PROVIDES ONE EXTENSION HEADPHONE JACK. DA EFF:05/18/01 FE/RA:NONE	54	DA	16	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1,2,18,18A,28,28A, 49 OR 52 TO PROVIDE ONE PRINT TICKET. DA EFF:12/20/96 FE:ED5X231-30,G17A		DA	17	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 54 OR 55 TO PROVIDE FOR ONE PRINT TICKET. REPL:ED5X231-30,G17			17A	1							
EQUIPMENT REQUIRED FOR BASIC SERVICE, INTELLIGENT COMMUNICATION WORK STATION (ICW) 220V, 50HZ. DA EFF:02/17/93 FE:ED5X231-30,G18A		DA	18	1	ED5X231-30 ED5X231-30	4 5					
EQUIPMENT REQUIRED FOR BASIC SERVICE INTELLIGENT COMMUNICATION WORK STATION (ICW) 220V, 50HZ. REPL:ED5X231-30,G18 DA EFF:02/04/94 FE:ED5X231-30,G49		DA	18A	1	ED5X231-30	4,5					
EQUIPMENT REQUIRED IN ADDITION TO GRP'S 18,18A,28,28A,49,52,54, 55. 60 AND 61 PROVIDES FOR ONE OSPS KEYBOARD E/W CABLE FOR CONNECTING TO A PC WITH A DIN KEYBOARD CONNECTOR.			19	1							
EQUIPMENT REQUIRED IN ADDITION TO GRP'S 60 OR 60A TO PROVIDE FOR ONE ICW 176 KEY ENGLISH KEYBOARD. REPL:NONE			19A	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 18 OR 18A TO PROVIDE FOR 2MB ADDITIONAL SIMMS. DA EFF:02/04/94 FE:ED5X231-30,G36		DA	20	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 18, 18A, 28, 28A OR 49. PROVIDES ONE INTELLIGENT PC INTERFACE BOARD. DA EFF:06/26/98 FE:ED5X231-30,G21A		DA	21	1							
EQUIPMENT TO PROVIDE FOR ONE ENHANCED INTELLIGENT PC INTERFACE BOARD (EIPB) AS A SPARE OR A REPLACEMENT ITEM. REPL:ED5X231-30,G21			21A	1							
EQUIPMENT REQUIRED IN ADDITION TO GRP'S 18,18A,28,28A,49 OR 52 TO PROVIDE ONE HEADSET WITH AN EARHOOK AND STABELIZER FOR OPERATORS AND SUPERVISORS.			22	1							
EQUIPMENT REQUIRED IN ADDITION TO GRP'S 18,18A,28,28A,49 OR 52 TO PROVIDE ONE HEADSET WITH 3 EARLOOPS FOR OPERATORS AND SUPERVISORS.			23	1							
EQUIPMENT REQUIRED IN ADDITION TO GRP'S 18,18A,28,28A,49 OR 52 TO PROVIDE ONE HEADSET WITH T-BAR TYPE HEADBAND FOR OPERATORS AND SUPERVISORS. DA EFF:12/20/96 FE/RA:NONE		DA	24	1							
EQUIPMENT REQUIRED IN ADDITION TO GRP'S 18,18A,28,28A,49 OR 52 TO PROVIDE ONE IN-EAR HEADSET FOR OPERATORS AND SUPERVISORS.			25	1							

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
EQUIPMENT REQUIRED IN ADDITION TO GRP'S 18,18A,28,28A,49 OR 52 TO PROVIDE ONE OVER-THE-EAR SET FOR OPERATORS OR SUPERVISORS DA EFF:05/18/01 FE/RA:NONE		DA	26	1							
EQUIPMENT REQUIRED IN ADDITION TO GRP'S 18,18A,28,28A,49 OR 52 TO PROVIDE BUTTON TYPE HEADSET FOR OPERATORS OR SUPERVISORS.			27	1							
EQUIPMENT REQUIRED FOR INTELLIGENT COMMUNICATION WORKSTATION (ICW) BASIC SERVICE 110V, 60HZ. DA EFF:02/17/93 FE:ED5X231-30,G28A		DA	28	1							
EQUIPMENT REQUIRED FOR BASIC SERVICE INTELLIGENT COMMUNICATION WORK STATION (ICW) 110V, 60HZ. REPL:ED5X231-30,G28 DA EFF:02/04/94 FE:ED5X231-30,G49		DA	28A	1	ED5X231-30	4,5					
EQUIPMENT REQUIRED IN ADDITION TO GRP'S 1,2,18,18A,28,28A,49 OR 52 TO PROVIDE CONVERENCE SERVICE IF THE ICW IS NOT CO-LOCATED WITH THE 5ESS SWITCH. DA EFF:03/30/99 FE/RA:NONE		DA	29	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUPS 18,18A,28,28A OR 49. PROVIDES ONE REMOTE ICW USING STAND-ALONE NT1, 110V, 60HZ SERVICE.			30	1	ED5X231-30	6, A					
EQUIPMENT REQUIRED IN ADDITION TO GROUPS 18,18A,28,28A OR 49. PROVIDES REMOTE ICW USING RACK MOUNTED NT1M, 110V, 60HZ SERVICE			31								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 31. PROVIDES ONE BULK POWER UNIT E/W SINGLE ENCLOSURE FOR RACK OR WALL MOUNTING. 110V, 60HZ SERVICE. DA EFF:06/26/98 FE/RA:NONE	63	DA	32								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 31. PROVIDES ONE NETWORK TERMINATING UNIT FOR RACK MOUNTING. (MAX. 12 GROUP 33 PER GROUP 31).			33								
EQUIPMENT REQUIRED IN ADDITION TO GROUPS 18, 18A, 28 OR 28A WHEN OPERATING UNDER MICROSOFT WINDOWS. DA EFF:02/04/94 FE:ED5X231-30,G34A	63	DA	34								

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SHEET A3 OF 21

TABLE A-FEATURES (CONTINUED)											
EQUIPMENT		EQUIPMENT OR CIRCUIT DATA						SD EQUIVALENT			
DESCRIPTION	REF NOTE	RAT-ING	LIST OR GROUP	QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
EQUIPMENT REQUIRED IN ADDITION TO GROUPS 49 WHEN OPERATING UNDER MICROSOFT WINDOWS. REPL:ED5X231-30,G34 DA EFF:04/22/94 FE/RA:NONE	63	DA	34A								
REQUIRED IN ADDITION TO GROUP 34 WHEN OPERATING UNDER MICROSOFT WINDOWS AND A MOUSE IS REQUIRED. DA EFF:04/22/94 FE/RA:NONE		DA	35								
REQUIRED IN ADDITION TO GROUP 34 OR 34A WHEN OPERATING UNDER MICROSOFT WINDOWS AND AN ADDITIONAL 4MB OF MEMORY IS REQUIRED. DA EFF:04/22/94 FE/RA:NONE		DA	36								
EQUIPMENT REQUIRED FOR ONE ICW USING AN NCR 386SX PLATFORM TO PROVIDE BASIC SERVICE. REPL:NONE DA EFF:02/04/94 FE:ED5X231-30,G49		DA	37								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 37 WHEN OPERATING UNDER MICROSOFT WINDOWS AND A MOUSE IS REQUIRED. REPL:NONE DA EFF:02/04/94 FE:ED5X231-30,G38A		DA	38								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 34A WHEN OPERATING UNDER MICROSOFT WINDOWS AND A MOUSE IS REQUIRED. REPL:ED5X231-30,G38 DA EFF:04/22/94 FE/RA:NONE		DA	38A								
EQUIPMENT REQUIRED IN ADDITION TO GROUPS 18, 28, 37 AND 49. PROVIDES ONE STARLAN 10 NAU CARD TO PROVIDE OSPS NETWORKING FACILITIES. REPL:NONE			39	1	ED5X231-30	FIG. 7					
EQUIPMENT REQUIRED IN ADDITION TO GROUPS 18, 28, 37 AND 49. PROVIDES ONE STARLAN 10 HUB FOR 1 TO 10 ICW'S OR TO CONNECT FROM 1 TO 10 STARLAN HUB'S TO BE CONFIGURED FOR OSPS NETWORKING FACILITIES. REPL:NONE			40	1	ED5X231-30	FIG. 7					
EQUIPMENT REQUIRED IN ADDITION TO GROUP 40. PROVIDES ONE ATTACHMENT UNIT INTERFACE (AUI) ADAPTER FOR STARLAN NETWORK TO CONNECT TO A NETWORK BRIDGE FOR OSPS NETWORKING FACILITIES. REPL:NONE			41	1	ED5X231-30	FIG. 7					
EQUIPMENT REQUIRED IN ADDITION TO GROUPS 18, 28 AND 37 TO PROVIDE ONE SERVER FOR ONE STARLAN 10 NETWORK FOR OSPS NETWORKING FACILITIES. REPL:NONE DA EFF:02/04/94 FE:ED5X231-30,G42A		DA	42								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 49. PROVIDES ONE SERVER FOR A STARLAN 10 NETWORK FOR OSPS NETWORKING FACILITIES. REPL:NONE			42A								

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
REQUIRED IN ADDITION TO GROUP 42 OR 42A WHEN INFORMIX RUNTIME SOFTWARE IS REQUIRED FOR ONE SERVER FOR A STARLAN 10 NETWORK PROVIDING OSPS NETWORKING FACILITIES. REPL:NONE DA EFF:12/20/96 FE/RA:NONE		DA	43								
REQUIRED IN ADDITION TO GROUP 42 WHEN INFORMIX DEVELOPMENT SOFTWARE IS REQUIRED FOR ONE SERVER FOR STARLAN 10 NETWORK FOR OSPS NETWORKING FACILITIES. REPL:NONE DA EFF:02/04/94 FE:ED5X231-30,G44A		DA	44								
REQUIRED IN ADDITION TO GROUP 42A WHEN INFORMIX DEVELOPMENT SOFTWARE IS REQUIRED FOR ONE SERVER FOR STARLAN 10 NETWORK FOR OSPS NETWORKING FACILITIES. REPL:ED5X231-30,G44 DA EFF:12/20/96 FE/RA:NONE		DA	44A								
EQUIPMENT REQUIRED TO PROVIDE ONE BRIDGE BETWEEN STARLAN NETWORKS FOR OSPS NETWORKING FACILITIES. REPL:NONE		NRTO	45								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 42, 42A. PROVIDES MODEMS FOR COMMUNICATION BETWEEN SERVERS FOR STARLAN 10 NETWORK FOR OSPS NETWORKING FACILITIES. REPL:NONE			46								
REQUIRED IN ADDITION TO GROUP 42 OR 42A WHEN X.25 (RS232) PORTS ARE REQUIRED ON THE SERVER. REPL:NONE			47								
EQUIPMENT REQUIRED IN ADDITION TO GRP'S 21 OR 52 WHEN ADDED ESD PROTECTION IS REQUIRED TO THE IPLE WHEN USING THE HEADSET EXTENSION CABLE. REPL:NONE	68		48								
EQUIPMENT REQUIRED FOR ONE ICW USING THE NCR 486SX25 PLATFORM TO PROVIDE BASIC SERVICE. REPL:ED5X231-30,G18A DA EFF:12/12/94 FE:ED5X231-30,G52		DA	49	1	ED5X231-30	FIG. 4,5					
EQUIPMENT REQUIRED IN ADDITION TO GROUPS 18,28, 49, 54, 55, 60 OR 61 TO PROVIDE FOR ONE SPANISH LANGUAGE KEYBOARD FOR ICW (PC) E/W DIN KEYBOARD CONNECTOR.			50								

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
EQUIPMENT REQUIRED IN ADDITION TO GROUPS 60 OR 60A TO PROVIDE FOR ONE 177 KEY SPANISH LANGUAGE KEYBOARD FOR THE ICW. REPL:ED5X231-30,G50			50A								
EQUIPMENT REQUIRED IN ADDITION TO GROUPS 18,18A,28,28A, 49, 54, 55, 60 OR 61 PROVIDES ONE CHINEESE LANGUAGE KEYBOARD FOR ICW (PC) E/W A DIN KEYBOARD CONNECTOR.			51								
EQUIPMENT REQUIRED FOR ONE 486SX33 ICW PLATFORM E/W 8MB OF MEMORY, ENGLISH DOS, WINDOWS, A MOUSE, A 15" COLOR MONITOR AND 2 HEADSET EXTENSION CABLES AND AN IPIB TO PROVIDE BASIC OPERATOR SERVICE FOR BOTH 110V 60HZ. AND 220V 50HZ. REPL:ED5X231-30,G49 DA EFF:12/19/95 FE:ED5X231-30,G53	66	DA	52	1		FIG. 4,5					
EQUIPMENT REQUIRED FOR ONE 486DX2/50 ICW PLATFORM E/W 8MB OF MEMORY, ENGLISH DOS, WINDOWS, A MOUSE, A 15" COLOR MONITOR AND 2 HEADSET EXTENSION CABLES AND AN IPIB TO PROVIDE BASIC OPERATOR SERVICE FOR BOTH 110V 60HZ. AND 220V 50HZ. REPL:ED5X231-30,G52 DA EFF:04/18/96 FE:ED5X231-30,G54	66	DA	53	1		FIG. 4,5					
EQUIPMENT REQUIRED FOR ONE ICW, PENTIUM BASED PLATFORM E/W 16MB OF MEMORY, ENGLISH DOS, WINDOWS FOR WORK GROUP, 15" COLOR MONITOR, E/W 2 HEADSET EXT CABLES AND AN IPIB TO PROVIDE BASIC OPERATOR SERVICE FOR BOTH 110V 60HZ. AND 220V 50HZ. REPL:ED5X231-30,G53 DA EFF:05/23/97 FE:ED5X231-30,G60	66	DA	54	1		FIG. 4,5					
EQUIPMENT REQUIRED FOR ONE ICW, PENTIUM BASED PLATFORM E/W 16MB OF MEMORY, ENGLISH DOS, WINDOWS FOR WORK GROUP, 17" COLOR MONITOR, E/W 2 HEADSET EXT CABLES AND AN IPIB TO PROVIDE BASIC OPERATOR SERVICE FOR BOTH 110V 60HZ. AND 220V 50HZ. REPL:ED5X231-30,G53 DA EFF:05/23/97 FE:ED5X231-30,G60	66	DA	55	1		FIG. 4,5					
EQUIPMENT REQUIRED TO PROVIDE ONE ETHERNET CARD TO BE USED IN ADDITION TO GROUPS 54, 55, 60 OR GRPOUP 61, TO PROVIDE A LAN CONNECTION FOR THE ICW. REPL:NONE			56								
EQUIPMENT REQUIRED IN ADDITION TO GROUPS 60 OR 60A TO PROVIDE FOR A 176 KEY ARABIC LANGUAGE KEYBOARD FOR THE ICW. REPL:NONE			57								
EQUIPMENT REQUIRED IN ADDITION TO GROUPS 60B OR 61B TO PROVIDE FOR A 64 KEY ADJUNCT KEYBOARD TO BE USED WITH A PC KEYBOARD, FOR ICW. REPL:NONE			58								
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
EQUIPMENT REQUIRED FOR ONE ICW, PENTIUM BASED PLATFORM E/W 16MB OF MEMORY, ENGLISH DOS, WINDOWS FOR WORK GROUP, 17" COLOR MONITOR, E/W 2 HEADSET EXT CABLES AND AN IPIB TO PROVIDE BASIC OPERATOR SERVICE FOR BOTH 110V 60HZ. AND 220V 50HZ. LESS KEYBOARD. REPL:ED5X231-30,G55 DA EFF:03/30/99 FE:ED5X231-30,G60A		DA	60	1		FIG. 4,5					
EQUIPMENT REQUIRED FOR ONE ICW, PENTIUM II 300MHZ PLATFORM E/W 64MB OF EDO MEMORY, ENGLISH WINDOWS NT 4.0, 512KB CACHE 17" COLOR MONITOR, E/W 2 HEADSET EXT CABLES AND AN IPIB TO PROVIDE BASIC OPERATOR SERVICE FOR BOTH 100V 47HZ. AND 240V 63HZ. LESS KEYBOARD. REPL:ED5X231-30,G60 DA EFF:04/30/99 FE:ED5X231-30,G60B		DA	60A	1		FIG. 4,5					
EQUIPMENT REQUIRED FOR ONE ICW, PENTIUM II 400MHZ PLATFORM E/W 64MB OF EDO MEMORY, ENGLISH WINDOWS NT 4.0, 512KB CACHE 17" COLOR MONITOR, E/W 2 HEADSET EXT CABLES AND AN IPIB TO PROVIDE BASIC OPERATOR SERVICE FOR BOTH 110VAC 60HZ. AND 230VAC 50HZ. LESS KEYBOARD. REPL:ED5X231-30,G60A DA EFF:05/18/01 FE:ED5X231-30,G60C		DA	60B	1		FIG. 4,5					
EQUIPMENT REQUIRED FOR ONE ICW, PENTIUM III, 866MHZ PLATFORM E/W ENGLISH WINDOWS NT 4.0, 17" COLOR MONITOR, E/W 2 HEADSET EXT CABLES AND AN IPIB TO PROVIDE BASIC OPERATOR SERVICE FOR BOTH 110VAC 60HZ. AND 230VAC 50HZ. REPL:ED5X231-30,G60B				60C							
EQUIPMENT REQUIRED FOR ONE ICW, PENTIUM BASED PLATFORM E/W 16MB OF MEMORY, ENGLISH DOS, WINDOWS FOR WORK GROUP, 17" COLOR MONITOR, E/W 2 HEADSET EXT CABLES AND AN IPIB TO PROVIDE BASIC OPERATOR SERVICE FOR BOTH 110V 60HZ. AND 220V 50HZ. E/W ENGLISH PC KEYBOARD. REPL:ED5X231-30,G55 DA EFF:03/30/99 FE:ED5X231-30,G61A		DA	61	1		FIG. 4,5					
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
EQUIPMENT REQUIRED FOR ONE ICW, PENTIUM BASED PLATFORM E/W 64MB OF MEMORY, ENGLISH WINDOWS NT, FOR WORK GROUP, 17" COLOR MONITOR, E/W 2 HEADSET EXT CABLES AND AN EIPB TO PROVIDE BASIC OPERATOR SERVICE FOR BOTH 100V 47HZ. AND 240V 63HZ. E/W ENGLISH PC KEYBOARD. REPL:ED5X231-30,G61 DA EFF:04/30/99 FE:ED5X231-30,G61B		DA	61A	1		FIG. 4,5					
EQUIPMENT REQUIRED FOR ONE ICW, PENTIUM BASED PLATFORM E/W 64MB OF MEMORY, ENGLISH WINDOWS NT, FOR WORK GROUP, 17" COLOR MONITOR, E/W 2 HEADSET EXT CABLES AND AN EIPB TO PROVIDE BASIC OPERATOR SERVICE FOR BOTH 110VAC 60HZ. AND 230VAC 50HZ. E/W ENGLISH PC KEYBOARD. REPL:ED5X231-30,G61A DA EFF:05/18/01 FE:ED5X231-30,G60C		DA	61B	1		FIG. 4,5					
EQUIPMENT REQUIRED TO PROVIDE A EIPB VOICE CABLE FOR BT. REPL:NONE			62								
EQUIPMENT REQUIRED IN ADDITION TO GRP'S 60, 60A OR 60B TO PROVIDE FOR A 176 KEY CYRILIC KEYBOARD FOR THE ICW. REPL:NONE			63								
EQUIPMENT REQUIRED IN ADDITION TO GRP'S 60, 60A OR 60B TO PROVIDE FOR A 176 KEY TAIWANEES LANGUAGE KEYBOARD FOR THE ICW. REPL:NONE			64								
EQUIPMENT REQUIRED IN ADDITION TO GRP'S 60, 60A OR 60B TO PROVIDE FOR A 176 KEY KOREAN LANGUAGE KEYBOARD FOR THE ICW. REPL:NONE			65								
EQUIPMENT REQUIRED FOR ONE 486SX33 ICW PLATFORM E/W 8MB OF MEMORY, ENGLISH DOS, WINDOWS, A MOUSE, A 15" COLOR MONITOR AND 2 HEADSET EXTENSION CABLES AND AN IPIB TO PROVIDE BASIC OPERATOR SERVICE FOR BOTH 110V 60HZ. AND 220V 50HZ. REPL:ED5X231-30,G52 DA EFF:12/19/95 FE:ED5X231-30,G501	66	DA	500	1		FIG. 4,5					
EQUIPMENT REQUIRED FOR ONE 486DX2/50 ICW PLATFORM E/W 8MB OF MEMORY, ENGLISH DOS, WINDOWS, A MOUSE, A 15" COLOR MONITOR AND 2 HEADSET EXTENSION CABLES AND AN EIPB TO PROVIDE BASIC OPERATOR SERVICE FOR BOTH 110V 60HZ. AND 220V 50HZ. REPL:ED5X231-30,G500 DA EFF:04/18/96 FE:ED5X231-30,G502	66 70	DA	501	1		FIG. 4,5					
EQUIPMENT REQUIRED FOR ONE ICW, PENTIUM BASED PLATFORM E/W 16MB OF MEMORY, ENGLISH DOS, WINDOWS FOR WORK GROUP, 15" COLOR MONITOR, E/W 2 HEADSET EXT CABLES AND AN EIPB TO PROVIDE BASIC OPERATOR SERVICE FOR BOTH 110V 60HZ. AND 220V 50HZ. REPL:ED5X231-30,G502 DA EFF:05/23/97 FE/RA:NONE	66	DA	503	1		FIG. 4,5					

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
EQUIPMENT REQUIRED FOR ONE ICW, PENTIUM BASED PLATFORM E/W 16MB OF MEMORY, ENGLISH DOS, WINDOWS FOR WORK GROUP, 17" COLOR MONITOR, E/W 2 HEADSET EXT CABLES AND AN EIPB TO PROVIDE BASIC OPERATOR SERVICE FOR BOTH 110V 60HZ. AND 220V 50HZ. REPL:ED5X231-30,G502 DA EFF:05/23/97 FE/RA:NONE	66	DA	504	1		FIG. 4,5					
EQUIPMENT REQUIRED TO PROVIDE ONE INTELLIGENT PC INTERFACE BD. DA EFF:12/19/95 FE:ED5X231-30,G507		DA	505								
EQUIPMENT REQUIRED TO PROVIDE ONE STARLAN 10 NAU CARD TO PROVIDE FOR OSPS NETWORKING FACILITIES. DA EFF:05/23/97 FE/RA:NONE	70	DA	506	1	ED5X231-30	FIG. 7					
EQUIPMENT REQUIRED TO PROVIDE ONE ENHANCED INTELLIGENT PC INTERFACE. REPL:ED5X231-30,G505 DA EFF:05/23/97 FE/RA:NONE	70	DA	507								
EQUIPMENT REQUIRED TO PROVIDE ONE HEADSET WITH AN EARHOOK AND STABILIZER FOR OPERATORS AND SUPERVISORS. DA EFF:05/23/97 FE/RA:NONE	70	DA	510								
EQUIPMENT REQUIRED TO PROVIDE ONE HEADSET WITH 3 EARLOOPS FOR OPERATORS AND SUPERVISORS. DA EFF:05/23/97 FE/RA:NONE	70	DA	511								
EQUIPMENT REQUIRED TO PROVIDE ONE HEADSET WITH T-BAR TYPE HEADBAND FOR OPERATORS AND SUPERVISORS. DA EFF:12/20/96 FE/RA:NONE	70	DA	512								
EQUIPMENT REQUIRED TO PROVIDE ONE IN-EAR HEADSET FOR OPERATORS AND SUPERVISORS. DA EFF:05/23/97 FE/RA:NONE	70	DA	513								
EQUIPMENT REQUIRED TO PROVIDE ONE OVER-THE-EAR SET FOR OPERATORS OR SUPERVISORS DA EFF:05/23/97 FE/RA:NONE	70	DA	514								
EQUIPMENT REQUIRED TO PROVIDE BUTTON TYPE HEADSET FOR OPERATORS OR SUPERVISORS. DA EFF:05/23/97 FE/RA:NONE	70	DA	515								

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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
EQUIPMENT REQUIRED TO PROVIDE ONE ENGLISH KEYBOARD (DIN CONN) FOR CONNECTING TO THE 6386SX/EL OR 486SX. DA EFF:05/23/97 FE/RA:NONE	70	DA	520								
EQUIPMENT REQUIRED FOR ONE SPANISH LANGUAGE KEYBOARD FOR ICW (6386SX/EL OR 486SX WITH DIN CONNECTOR). DA EFF:05/23/97 FE/RA:NONE	70	DA	521								
EQUIPMENT REQUIRED TO PROVIDE ONE CHINESE LANGUAGE (DIN CONN) KEYBOARD FOR ICW (6386SX/EL OR 486SX). DA EFF:05/23/97 FE/RA:NONE	70	DA	522								
EQUIPMENT REQUIRED TO PROVIDE ONE SERVER FOR A STARLAN 10 NETWORK FOR OSPS NETWORKING FACILITIES. DA EFF:05/23/97 FE/RA:NONE	70	DA	530								
REQUIRED WHEN INFORMIX RUNTIME SOFTWARE IS REQUIRED FOR ONE SERVER FOR A STARLAN 10 NETWORK PROVIDING OSPS NETWORKING FACILITIES. DA EFF:05/23/97 FE/RA:NONE	70	DA	531								
REQUIRED WHEN INFORMIX DEVELOPMENT SOFTWARE IS REQUIRED FOR ONE SERVER FOR STARLAN 10 NETWORKING FACILITIES. REPL:ED5X231-30,G44 DA EFF:05/23/97 FE/RA:NONE	70	DA	532								
LAN SOFTWARE REQUIRED TO PROVIDE OSPS NETWORKING FACILITIES FOR UNLIMITED NUMBER OF USERS. DA EFF:05/23/97 FE/RA:NONE	70	DA	533								
LAN SOFTWARE REQUIRED TO PROVIDE OSPS NETWORKING FACILITIES FOR 1 TO 75 USERS. DA EFF:05/23/97 FE/RA:NONE	70	DA	534								
SOFTWARE REQUIRED TO PROVIDE OSPS NETWORKING FACILITIES FOR 1 TO 10 USERS. DA EFF:05/23/97 FE/RA:NONE	70	DA	535								
EQUIPMENT REQUIRED TO PROVIDE ONE STARLAN 10 HUB FOR 1 TO 10 ICW'S OR TO CONNECT FROM 1 TO 10 STARLAN 10 HUBS TO BE CONFIGURED DA EFF:05/23/97 FE/RA:NONE	70	DA	536	1	ED5X231-30	FIG. 7					
EQUIPMENT REQUIRED TO PROVIDE 1 ATTACHMENT UNIT INTERFACE (AUI) ADAPTER FOR STARLAN NETWORK TO CONNECT TO A NETWORK BRIDGE FOR OSPS NETWORKING FACILITIES. DA EFF:05/23/97 FE/RA:NONE	70	DA	537	1	ED5X231-30	FIG.					
EQUIPMENT REQUIRED TO PROVIDE MODEMS FOR COMMUNICATION BETWEEN SERVERS FOR STARLAN 10 NETWORK FOR OSPS NETWORKING FACILITIES. DA EFF:05/23/97 FE/RA:NONE	70	DA	538								
EQUIPMENT REQUIRED TO PROVIDE X.25 (RS232) PORTS ON THE SERVER DA EFF:05/23/97 FE/RA:NONE	70	DA	539								

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
EQUIPMENT REQUIRED TO PROVIDE ADDITIONAL ESD PROTECTION IS REQUIRED TO THE IPIB WHEN USING THE HEADSET EXTENSION CABLES. DA EFF:05/23/97 FE/RA:NONE	68 70	DA	540								
EQUIPMENT REQUIRED TO PROVIDE TWO HEADSET EXTENSION CABLES DA EFF:05/23/97 FE/RA:NONE	54 70	DA	541								
EQUIPMENT REQUIRED TO PROVIDE ONE PRINT TICKET LASER PRINTER. DA EFF:05/23/97 FE/RA:NONE	70	DA	542								
EQUIPMENT REQUIRED TO PROVIDE CONVERENCE SERVICE IF THE ICW IS NOT CO-LOCATED WITH THE 5ESS. DA EFF:05/23/97 FE/RA:NONE	70	DA	543								
EQUIPMENT REQUIRED TO PROVIDE ONE REMOTE ICW USING STAND-ALONE NTL, 110V, 60HZ SERVICE. DA EFF:05/23/97 FE/RA:NONE	70	DA	545	1	ED5X231-30	6, A					
EQUIPMENT REQUIRED TO PROVIDE REMOTE ICW USING RACK MOUNTED NTL, 110V 60HZ. SERVICE. DA EFF:05/23/97 FE/RA:NONE	70	DA	546								
EQUIPMENT REQUIRED TO PROVIDE ONE BULK POWER UNIT E/W SINGLE ENCLOSURE FOR RACK OR WALL MTG. 110V, 60HZ. SERVICE. DA EFF:05/23/97 FE/RA:NONE	63 70	DA	547								
EQUIPMENT REQUIRED TO PROVIDE ONE NETWORK TERMINATING UNIT FOR RACK MOUNTING. (MAX. 12 GRP. 548 PER GRP. 546). DA EFF:05/23/97 FE/RA:NONE	70	DA	548								
EQUIPMENT REQUIRED TO PROVIDE ONE ETHERNET CARD TO BE USED IN ADDITION TO GROUPS 503 OR 504 TO PROVIDE A LAN CONNECTION FOR THE ICW. REPL:NONE DA EFF:05/23/97 FE/RA:NONE		DA	550								
EQUIPMENT REQUIRED TO PROVIDE ADDITIONAL 8MB OF MEMORY FOR GROUPS 503 OR 504, IF MORE THAN 16 MB OF MEMORY IS REQUIRED. REPL:NONE DA EFF:05/23/97 FE/RA:NONE		DA	551								
REQUIRED IN ADDITION TO GROUP 6 WHEN FOUR ICW ARE TO BE CONFERENCED. (SEE NOTE 59). DA EFF:02/04/94 FE/RA:NONE		DA	A								

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
REQUIRED IN ADDITION TO GROUP 6 WHEN FOUR TO SEVEN ICW ARE TO BE CONFERENCED AND THE ICW ARE NOT CO-LOCATED WITH THE 5ESS. DA EFF:02/04/94 FE/RA:NONE		DA	B	1							
REQUIRED IN ADDITION TO GROUP 6 WHEN FOUR TO SEVEN ICW ARE TO BE CONFERENCED AND THE ICW ARE CO-LOCATED WITH THE 5ESS. DA EFF:02/04/94 FE/RA:NONE		DA	C	1							
REQUIRED IN ADDITION TO GRP'S 18 18A, 49 OR 52. PROVIDES POWER CABLE FOR ITALY.			D								
REQUIRED IN ADDITION TO GROUPS 1 18,18A,49 OR 52, IF LOCALLY TERMINATED POWER CABLES ARE REQUIRED. PROVIDES ONE 10A, 220V CABLE WITH AN IEC 320 PLUG AT ONE END AND UNTERMINATED AT THE OTHER.			E								
EQUIPMENT REQUIRED IN ADDITION TO GROUPS 6,18,18A,28,28A,49 OR 52. PROVIDES CONFERENCING SERVICE.			F								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 18 TO PROVIDE FOR ONE 110V, 60HZ MONITOR. DA EFF:02/02/93 FE/RA:NONE		DA	G	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUPS 18, 18A, 28 OR 28A. PROVIDES UPGRADE TO MS-DOS FROM 3.3 TO 5.0. DA EFF:12/12/94 FE/RA:NONE		DA	H								
SOFTWARE REQUIRED IN ADDITION TO GROUP 42. PROVIDES OSPS NETWORKING FACILITIES FOR 1 TO 10 USERS. REPL:NONE DA EFF:02/04/94 FE:ED5X231-30,GN		DA	J								
SOFTWARE REQUIRED IN ADDITION TO GROUP 42. PROVIDES OSPS NETWORKING FACILITIES FOR 1 TO 75 USERS. REPL:NONE DA EFF:02/04/94 FE:ED5X231-30,GM		DA	K								
SOFTWARE REQUIRED IN ADDITION TO GROUP 42A. PROVIDES OSPS NETWORKING FACILITIES FOR UNLIMITED USERS. REPL:NONE DA EFF:12/20/96 FE/RA:NONE		DA	L								
SOFTWARE REQUIRED IN ADDITION TO GROUP 42A. PROVIDES OSPS NETWORKING FACILITIES FOR 1 TO 75 USERS. REPL:ED5X231-30,GK DA EFF:12/20/96 FE/RA:NONE		DA	M								
SOFTWARE REQUIRED IN ADDITION TO GROUP 42A. PROVIDES OSPS NETWORKING FACILITIES FOR 1 T 10 USERS. REPL:ED5X231-30,GJ DA EFF:12/20/96 FE/RA:NONE		DA	N								
EQUIPMENT REQUIRED TO PROVIDE ADDITIONAL 8MB OF MEMORY FOR GROUPS 54 OR 55, IF MORE THAN 16 MB OF MEMORY IS REQUIRED. REPL:NONE			P								

END OF TABLE-A

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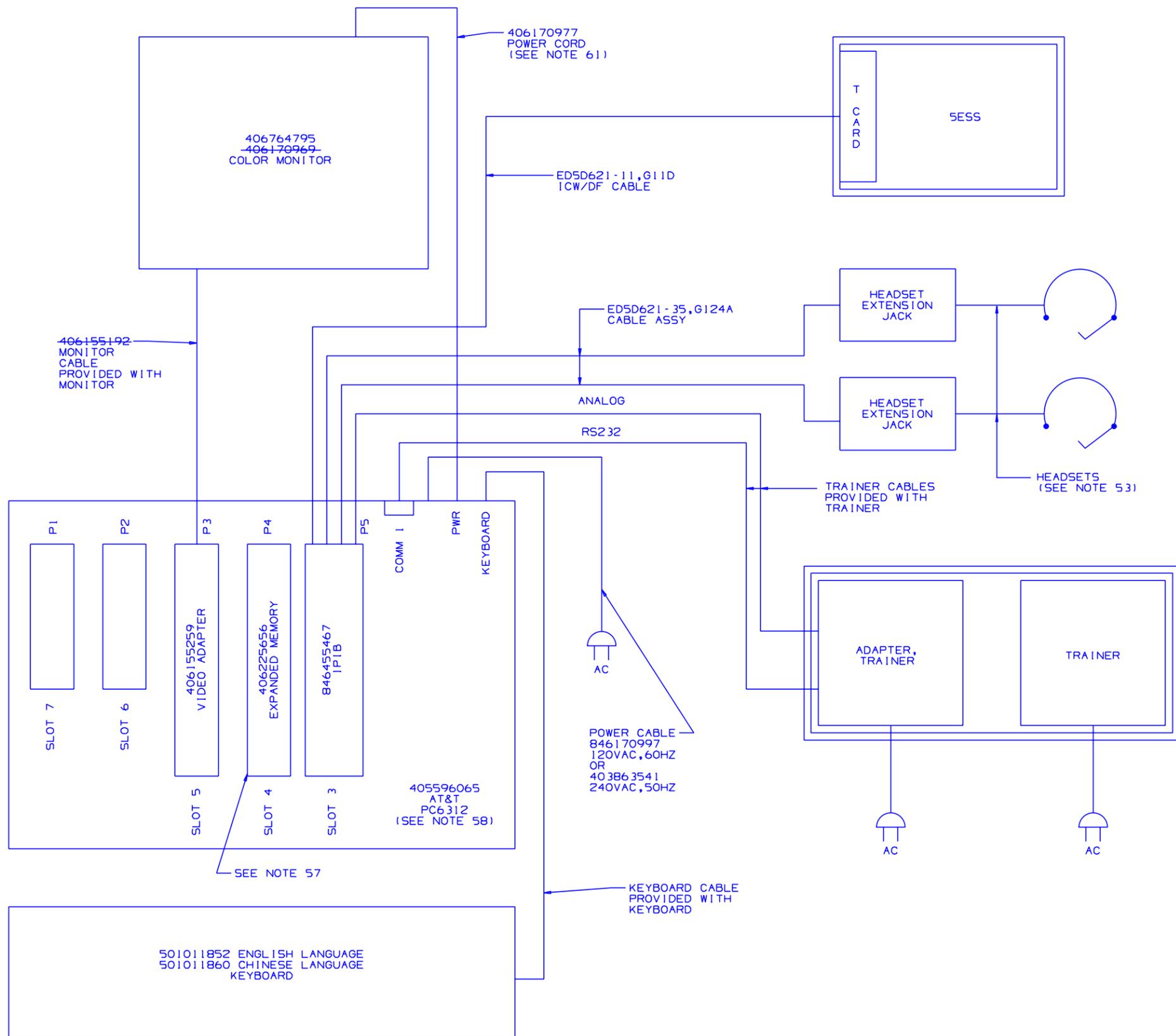


FIG. 1  
BASIC SERVICE

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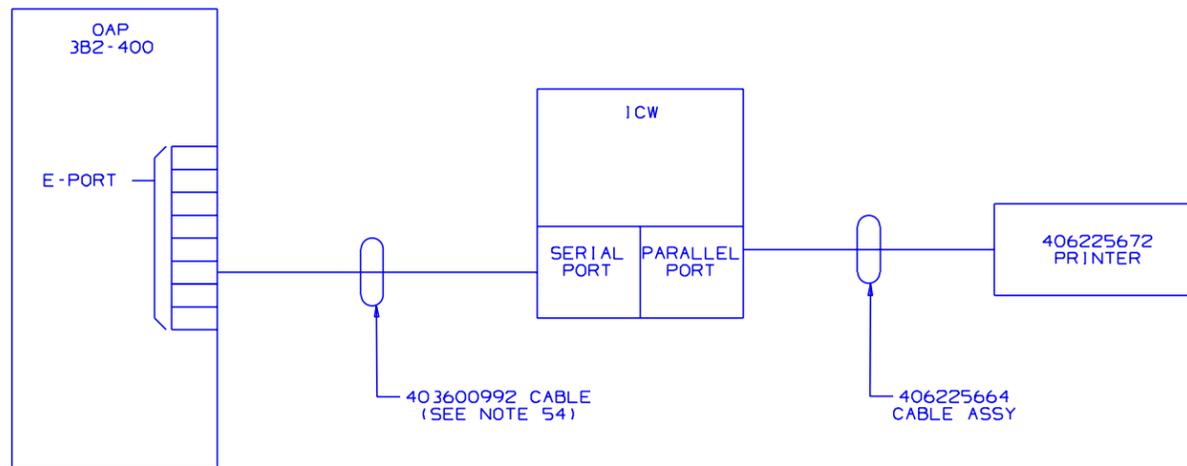


FIG. 3  
INTELLIGENT WORK STATION (ICW)  
PRINT TICKET CONFIGURATION

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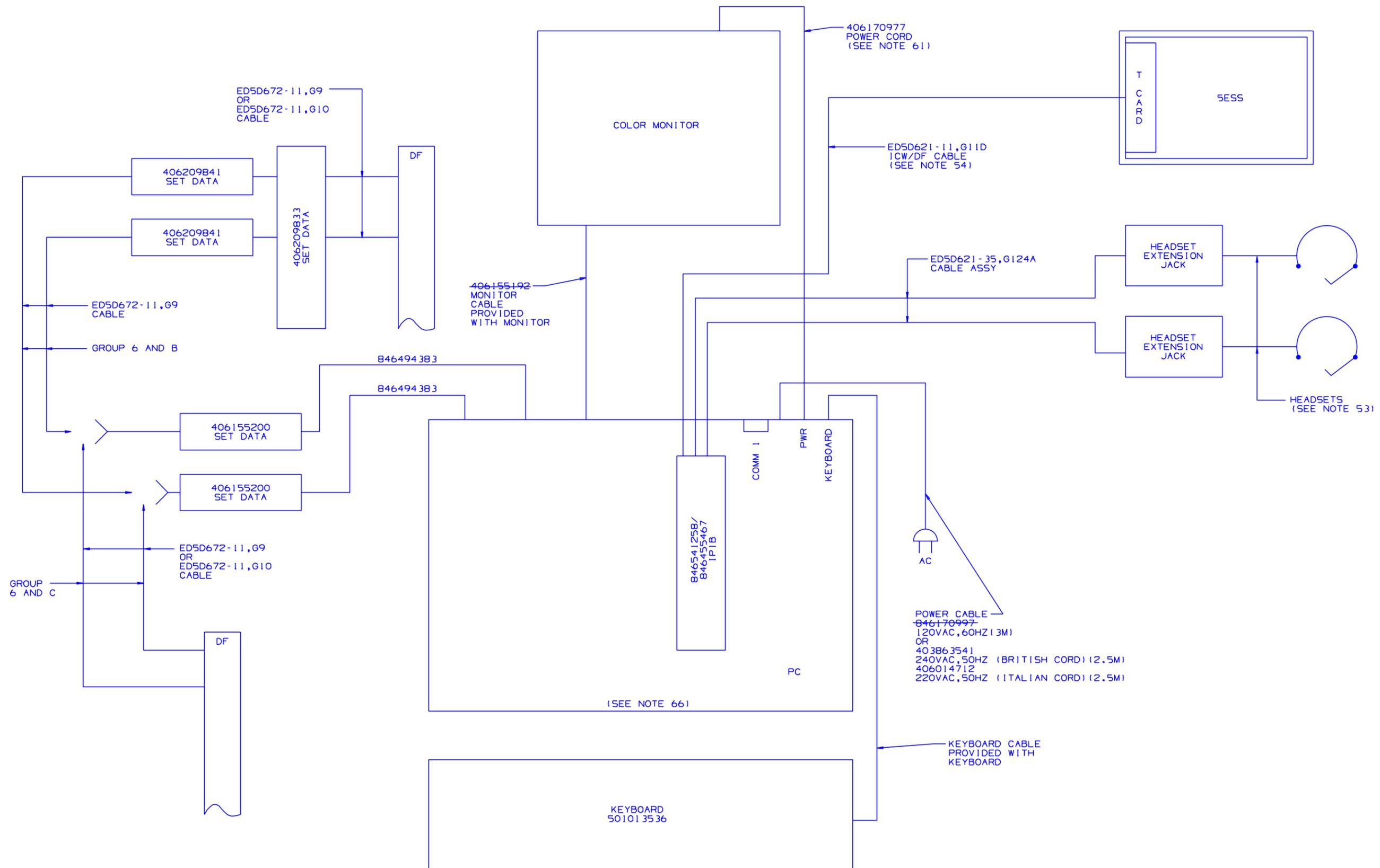


FIG. 5  
TYPICAL CONFIGURATION  
FOR CONFERENCING

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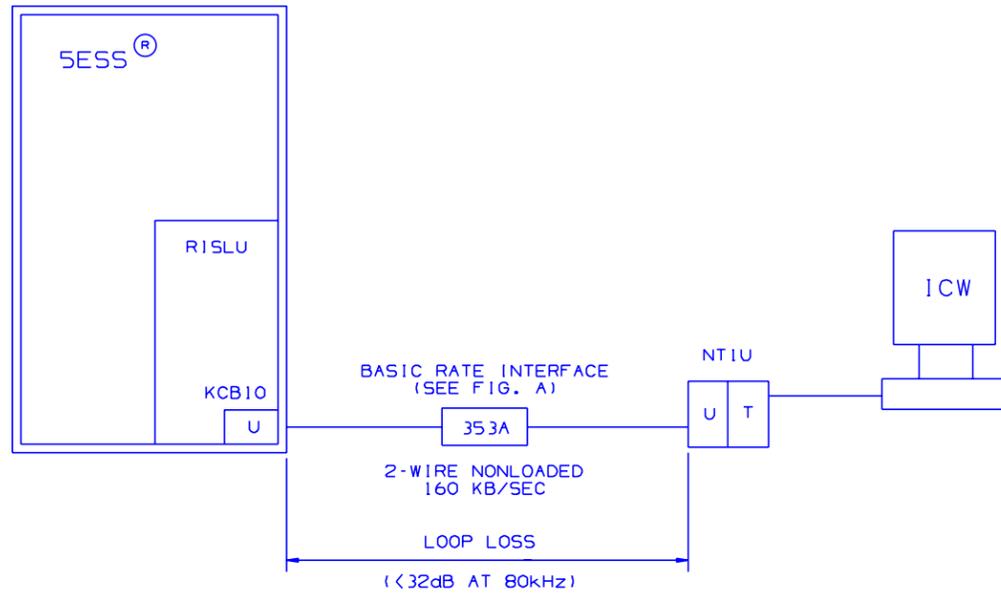


FIG. 6  
REMOTE INTELLIGENT COMMUNICATION WORKSTATION (ICW)

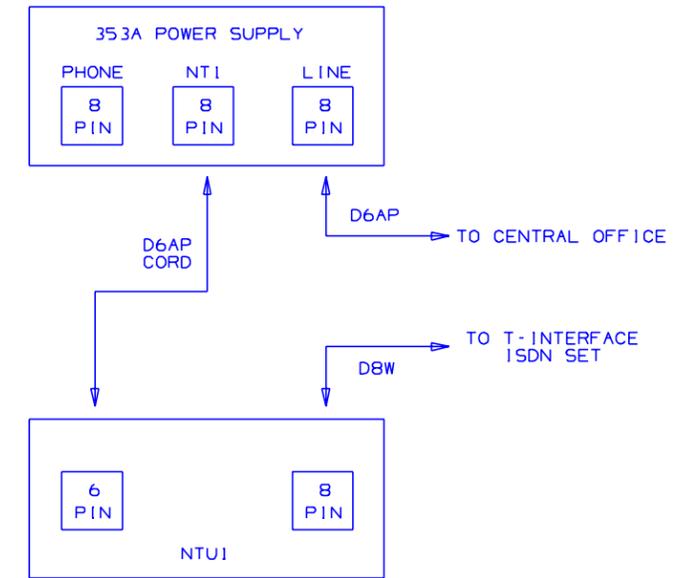


FIG. A

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	C2	16
Lucent Technologies, Inc.	ED5X231 - 30	SHEET B6

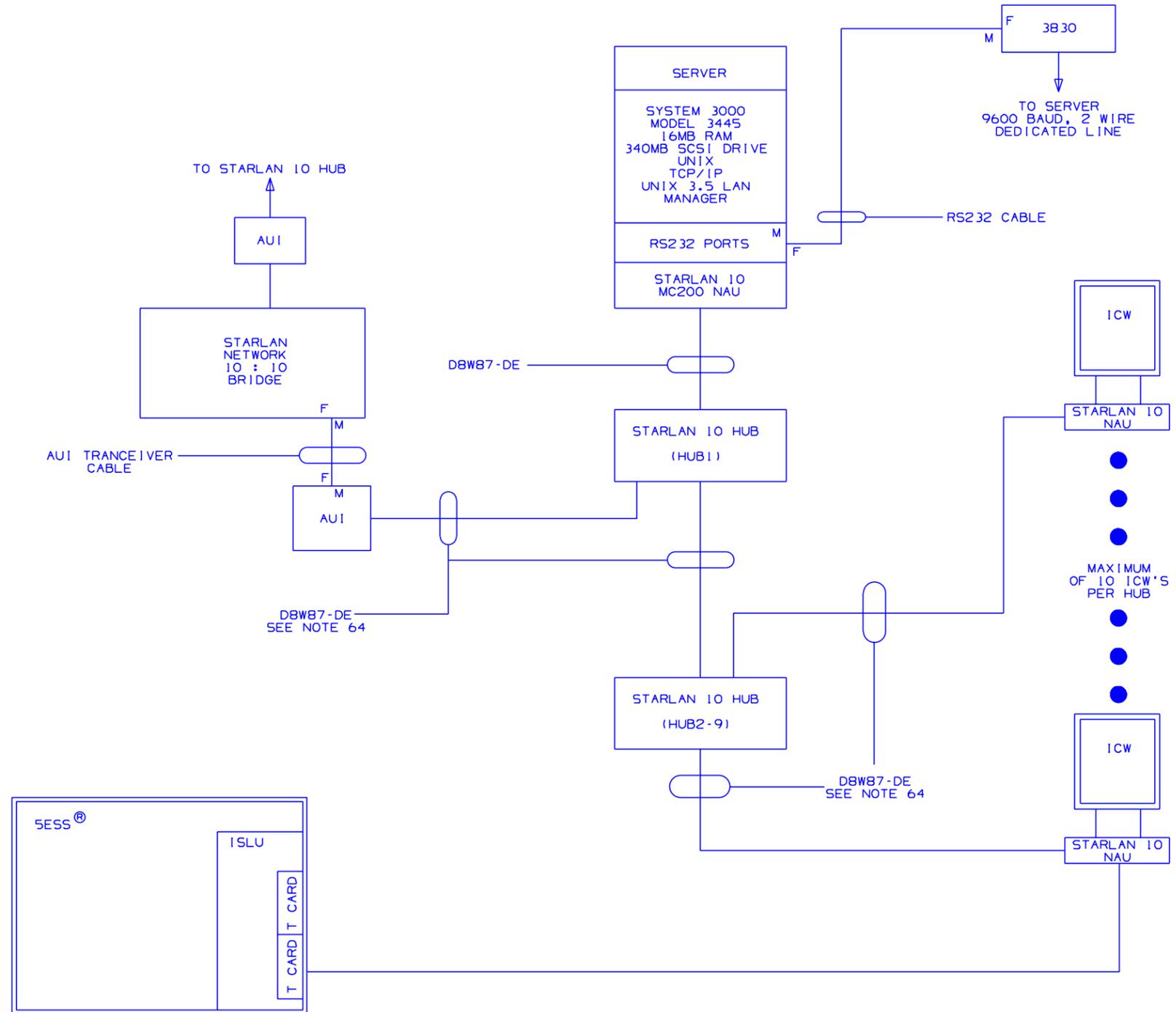


FIG. 7  
OSPS NETWORKING FACILITIES  
SEE NOTE 65

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INTELLIGENT COMMUNICATION WORKSTATION EXPORT	DWG SIZE	ISSUE
	C2	16
Lucent Technologies, Inc.	ED5X231 - 30	SHEET B7

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MANUFACTURING NOTES

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

X 17. THE D8W CORD PROVIDED IS 7 FEET LONG, IF A LONGER CORD IS REQUIRED SPECIFY ONE OF THE CORDS BELOW IN ITS PLACE.

LENGTH	COMCODE NUMBER
14'	103786802
25'	103786828
50'	103866109
75'	103866125
100'	103866141

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P

MANUFACTURING NOTES

1. X PARTS REQUIRED FOR INSTALLATION.

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

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

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

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

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

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

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

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

"S" PARTS NOT ASSEMBLED, SHIPPED SEPARATELY.

A/R AS REQUIRED.

"B" PARTIAL ASSEMBLIES ON OTHER DRAWINGS WITH STOCKLISTS.

13. TERMINATING RESISTORS ARE REQUIRED IN THE RECIEVE AND TRANSMIT PATHS OF THE IPIB BRI FOR MOST POINT TO POINT APPLICATIONS. THESE TERMINATING RESISTORS MAY BE PROVIDED EXTERNALLY WITH THE AT&T TERMINATING RESISTOR 440A4 (105197784) OR INTERNALLY USING THE VERSION 2.0 (AM) IPIB.

- THE AT&T EXTERNAL TERMINATING RESISTOR 440A4 (105197784) MAY BE USED WITH THE ICW AND EITHER VERSION 1.0 (AM4) OF VERSION 2.0 (AM6) OF THE IPIB, AS LONG AS THE INTEGRATED RESISTORS ON THE IPIB'S ARE CONFIGURED OUT OF THE BRI CIRCUIT. THE ARRANGEMENT OF USING AN EXTERNAL TERMINATING RESISTOR IS STANDARD FOR MANY AT&T PRODUCTS. WHEN USING THE 440A4 EXTERNAL TERMINATING RESISTOR THE TERMINATING RESISTORS ON THE CARD MAY BE CONFIGURED OUT OF THE CIRCUIT AS FOLLOWS:

- ON VERSION 1.0 (AM4) COMCODE NUMBER 846455467, ONLY A RECEIVE TERMINATING RESISTOR IS PRESENT; NO TRANSMIT TERMINATING RESISTOR HAS BEEN PROVIDED.

THE RECEIVE TERMINATING RESISTOR IS CONFIGURED USING J5. WHEN JUMPERS ARE IN THEIR (1-2) POSITION, (SEE FIG. 1A & FIG. 2) THE TERMINATING RESISTORS ON THE CARD ARE CONFIGURED INTO THE CIRCUIT WHEN THE JUMPERS ARE IN THEIR (2-3) POSITION THE TERMINATING RESISTORS ARE EFFECTIVELY REMOVED FROM THE CIRCUIT.

- ON VERSION 2.0 (AM6) COMCODE NUMBER 846541258, BOTH TRANSMIT AND RECEIVE TERMINATING RESISTORS ARE ON THE CARD. TO REMOVE THE RESISTORS FROM THE CIRCUIT, MOVE JUMPERS J5 AND J7 FROM POSITION (1-2) TO POSITION (2-3) ON THE CARD. (SEE FIG. 1B AND 2).

- FOR ADDITIONAL REFERENCE SEE 5ESS SWITCH INTEGRATED SERVICES DIGITAL NETWORK PLANNING GUIDE (AT&T 533-700-100).

X 15. SONY MONITOR, CPD 1304S, IS SHIPPED WITH MONITOR RGB CABLE AS PART OF THE MONITOR.

X 16. THE D6AP CORD PROVIDED IS 7 FEET LONG, IF A LONGER CORD IS REQUIRED SPECIFY ONE OF THE CORDS BELOW IN ITS PLACE.

LENGTH	COMCODE NUMBER
14'	102937604

----- CONTINUED TO THE LEFT -----

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DWG SIZE C2	ISSUE 21
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LUCENT TECHNOLOGIES INC ED5X231-30

SHEET D1 OF 21
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STOCKLIST									
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE		
							SYM	NBR	
1000	1,2	1	405596065		UNIT,CENTRAL PROCESSING #51670V OLIVETTI				
1010	1	1	ED5D621-11,G11D, G11D		CABLING, INTERCABINET				
1020	1	1	406183608		MONITOR,ELECTRIC DISPLAY #CPD-1304 SONY CORP.				
1030	1,2	1	406155192		MONITOR,CABLE #SMF523 SONY CORP.				
1040	1,2	1	846524874		LABEL,IDENTIFICATION				
1050	1,2	1	406170977		CORD #86548003 PANEL COMPONENTS CORP.				
1060	1	1	J5X110A-1,LM22		DISKETTE, OSPS ICW SOFTWARE				
1070	2	1	403863541		CORD,POWER #86552005 PANEL COMPONENTS CORP.				
1080	2	1	406170969		MONITOR,RP/DS 230V 50HZ #CPD-1404 SONY CORP.				
1090	2	1	846539468		LABEL,CAUTION 220V				
1100	2	1	846539476		LABEL,INFORMATION INPUT-OUTPUT				
1110	2	1	846539484		LABEL,INFORMATION SERIAL				
1120	3	1	501011852	56K122AGN	KEYBOARD				
1130	4	1	501011860	56K122AGO	KEYBOARD				
1140	4	1	J5X110A-1,LM23		DISKETTE, OSPS ICW SOFTWARE				
1150	5	1	846455467		BOARD,PC INTERFACE ASSEMBLY				
1160	6	2	406155218		CARD #SERKT-2 MEDIA SOFTWARE SYSTEMS			S	
1170	6	2	406155200		SET,DATA #MLDS123 GANDALF DATA INC.				
1172	6	2	ED5D672-11,G9		CABLING, INTERCABINET DCSS				
1174	29	2	406209841		SET,DATA #MLDS123X GANDALF DATA INC.			S	
1175	29	2	407404607		SET #MLDS124 GANDALF				
1180	7	1	406155259		BOARD,VIDEO ADAPTER #VGA PLUS 16 PARADISE SYSTEMS INC.				
1190	8	1	406225656		MEMORY,RAM #500550003 AST RESEARCH INC.				
1200	9	1	406219881	KS23653L1	HEADSET				
1210	10	1	406219899	KS23653L2	HEADSET				
1220	11	1	406219907	KS23653L3	HEADSET				
1230	12	1	406225631	KS23653L4	HEADSET SUPERVISORS, OVER THE EAR				
1240	13	1	406225649	KS23653L5	HEADSET				
1250	14	1	403350077	KS22990L2	HEADSET				
1260	15	1	403241557	KS22915L2	HEADSET				
1270	16 49	2	ED5D621-35,G124D G124D		CABLE, CONNECTORIZED ASSEMBLY				

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

ED5X231-30

STOCKLIST									
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE		
							SYM	NBR	
1280	17	1	406225672		PRINTER #LASERJET SERIE HEWLETT-PACKARD				
1290	17	1	406225664		CABLE ASSEMBLY,PARALLEL #GMEYN600 BLACK BOX CORP.				
1300	17	1	J5X110A-1,LM24		DISKETTE, OSPS ICW SOFTWARE				
1310	17	1	403600992		CABLE ASSEMBLY #DKH-50 ANDIRONDACK WIRE & CABLE				
1320	17	1	105678023	2750-C12	CONNECTOR,FEMALE AT&T 3B2				
1330	A	2	406209833		SET,DATA #RM3024 GANDALF DATA INC.				
1340	B	1	405083361		SET,DATA MOUNTING #3000A GANDALF DATA INC.			S	
1341	B	1	405509944		MOUNTING,DATA #LDS3000A GANDALF DATA				
1350	C	OMIT 1	ED5D672-11,G9		CABLING, INTERCABINET DCSS				
1360	C	1	ED5D672-11,G10		CABLING, INTERCABINET DCSS				
1370	18,18A	1	106366537	M42I	COMPUTER,DESKTOP MICROSOFT DISK OPRG.SYSTEM				
1380	18	1	406170969		MONITOR,RP/DS 230V 50HZ #CPD-1404 SONY CORP.				
1390	18	1	406155192		MONITOR,CABLE #SMF523 SONY CORP.			S	
1395	18A,28A	1	406764795		MONITOR,ELEC DISPLAY #CPD-1304S SONY				
1400	18	1	846524874		LABEL,IDENTIFICATION				
1410	18,18A	1	406170977		CORD #86548003 PANEL COMPONENTS CORP.				
1420	18,18A	1	106247810	MSDOS-3.3	SOFTWARE,OPERATING				
1450	19,49	1	501013536	56K122AFQ	KEYBOARD OPERATOR SERVICE POSITION SYSTEM INTERNATIONAL				
1460	20	1	405896853		KIT #CSIM020 INTEL				
1470	21	1	846541258		ASSEMBLY,BOARD COMBINED SERVICE TERM OSPS				
1480	22	1	406180034	KS23767L1	HEADSET				
1490	23	1	406180042	KS23767L2	HEADSET				
1500	24	1	406180067	KS23767L3	HEADSET				

STOCKLIST CONTINUED ON SHEET D3

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DWG SIZE C2 ISSUE 21

LUCENT TECHNOLOGIES INC ED5X231-30

SHEET D2 OF 21

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STOCKLIST									
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE		
							SYM	NBR	
1510	25	1	406216549		HEADSET, OPERATOR SERVICES IN-THE-EAR #25150-01 PLANTRONICS				
1520	26	1	406216556		HEADSET, OPERATOR SERVICES/OPS COMES W/PLASTIC CLOTHING CLIP, POUCH, USER'S GUIDE & SPARE INSERT CARDS. #25151-01 PLANTRONICS				
1530	27	1	406219907	KS23653L3	HEADSET				
1540	D	OMIT 1	403863541		CORD, POWER #86552005 PANEL COMPONENTS CORP.				
1550	D	1	406014712		CORD ALTERNATING CURRENT POWER FOR ITALY CASCADE INTERNATIONAL 6FT #AC-IT INTEL				
1560	E	OMIT 1	403863541		CORD, POWER #86552005 PANEL COMPONENTS CORP.				
1570	E	1	406472647		CORD, POWER 3 CONDUCTOR, 18 GA, 98.42 INCHES #86525050 PANEL COMPONENT CORP.				
1580	F	OMIT 2	406155218		CARD #SERXT-2 MEDIA SOFTWARE SYSTEMS				
1590	F	2	846494383		CABLE ASSEMBLY, DATA 9/25SER. ADAPTER CABLE ASM.				
1600	G	OMIT 1	406170969		MONITOR, RP/DS 230V 50HZ #CPD-1404 SONY CORP.				
1610	G	1	406183608		MONITOR, ELECTRIC DISPLAY #CPD-1304 SONY CORP.				
1620	28,28A	1	106364912	M42	COMPUTER, DESKTOP 6386 SX/EL MC HDU				
1630	28	1	406183608		MONITOR, ELECTRIC DISPLAY #CPD-1304 SONY CORP.				
1640	28	1	406155192		MONITOR, CABLE #SMF523 SONY CORP.			S	
1650	28	1	846524874		LABEL, IDENTIFICATION			S	
1660	28,28A	1	406170977		CORD #86548003 PANEL COMPONENTS CORP.				
1670	28,28A	1	106247810	MSDOS-3.3	SOFTWARE, OPERATING				
1680	30	1	405131137		UNIT, TERMINATION #NT1U PHILIPS TELECOMMUNICATIONS			S	
1681	30	1	406757377		UNIT, TERMINATION #NT1UT-100 LUCENT NS NETHERLANDS				
1690	30	1	104380753	353A	UNIT, POWER				
1700	30	2	102937620	D6AP-87	CORD 7 FT.				16
1710	30	1	103786786	D8W-87	CORD 7 FT.				17
1720	31	1	406404038		MODULE, UNIT #NT1M-210 AT&T NET SYS INTERNATIONAL				
1730	32	1	106448921		KIT, POWER SUPPLY 2.5 AH BATTERY				
1750	33	1	405734054	NTIP-100	PACK, CIRCUIT PHILIPS				

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

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STOCKLIST									
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE		
							SYM	NBR	
1760	34,34A	1	406807164		CARD, PRINTED CIRCUIT #1280 ORCHID TECHNOLOGY				
1770	34,34A	1	405896853		KIT #CSIM020 INTEL				
1780	35	1	406765032		MOUSE, PC TERMINAL #SF15-6MD LOGITECH				
1790	36	2	405896853		KIT #CSIM020 INTEL				
1800	H	OMIT 1	106247810	MSDOS-3.3	SOFTWARE, OPERATING				
1810	H	1	406600858		SOFTWARE, MICROSOFT MS-DOS -DOS5.0 #48H97 3-1/2 MS PHOENIX TECHNOLOGIES				
2000	50	1	406615880		KEYBOARD, PERSONAL COMPUTER 138UN PC AT SYNCHRONOUS				
2010	51	1	501013544	56K122AGR	KEYBOARD OSPS TAIWAN				
2500	37	1	407040500		UNIT, CENTRAL PROCESSING #3315-0201 NCR				
2502	37	1	407040518		DRIVE, FLOPPY DISK #3315-F702 NCR				
2504	37	1	407043843		DRIVE, HARD DISK #3315-F762 NCR				
2510	37	1	406764795		MONITOR, ELEC DISPLAY #CPD-1304S SONY				
2520	37	1	846524874		LABEL, IDENTIFICATION				
2530	37	1	601296858	ED5D621-35	ASSEMBLY HEAD SET EXTENSION CABLE				
2540	37	1	406600858		SOFTWARE, MICROSOFT MS-DOS -DOS5.0 #48H97 3-1/2 MS PHOENIX TECHNOLOGIES				
2550	38	1	407043868		MOUSE, PC TERMINAL #3299-F354-0000 NCR				
2552	38A	1	407099837		MOUSE, PC TERMINAL #3299-K359-0000 NCR				
2560	39	1	106260409	109A1	UNIT, DATA				
2580	40	1	406967430		UNIT, INTERCONNECTING #4261-1001-0600 NCR				
2590	40	1	106451982	DW8A-DE	CORD, MODULAR 24GA, 8 CONDUCTOR, 10FT LG			S	
2591	40	1	103895645	DW8A-DE	CORD 10 FT				

STOCKLIST CONTINUED ON SHEET D4

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DWG SIZE C2 ISSUE 21

LUCENT TECHNOLOGIES INC ED5X231-30

SHEET D3 OF 21

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
2600	41	1	406940346		ADAPTER,AUI INTERFACE #4261-K002 AT&T			
2610	41	1	107070146	D8W-87	CABLE 28GA, 8 CONDUCTOR, 14FT LG		S	
2611	41	1	103786802	D8W-87	CORD 14 FT.			
2620	42,42A	1	407092691		UNIT,CENTRAL PROCESSING MODEL 3445 #3434-3016-8000 NCR			
2630	42	1	407099829		SOFTWARE,UTILITIES SECURITY ADMIN/UTIL (ENCRYPT) #F401-0810-0000 NCR			
2640	42,42A	1	407050418		CONTROLLER,HARD DISK #3434-F390 NCR			
2650	42,42A	1	407092717		KIT,BUS TERMINATOR #6091-K903-0000 NCR			
2660	42,42A	1	407042274		DRIVE,DISK SCSI #3434-F320-V005 NCR			
2670	42,42A	1	406914010		DRIVE,TAPE #6091-6300-6690 NCR			
2680	42,42A	1	406953398		CABLE ASSEMBLY,SCSI #1415-C074-0015 NCR			
2690	42,42A	1	406928291		MONITOR,14" VGA FLAT SCREEN COLOR #3298-0235-8090 NCR			
2700	42	1	406956532		KEYBOARD #3299-K440-0000 NCR			
2710	42,42A	1	407099811		SOFTWARE,OPERATING INTERNATIONAL UNIX SYS V #F401-0240-0000 NCR			
2720	42,42A	1	407042357		MANUAL,ADMINISTRATION SYS 3000 ADMINISTRATOR'S GUIDE - BASIC TASKS #D1-2265-A NCR			
2730	42,42A	1	407042365		MANUAL,ADMINISTRATION SYS 3000 ADMINISTRATOR'S GUIDE - ADVANCED TASKS #D1-2266-A NCR			
2740	42,42A	1	406985598		SOFTWARE,STARGROUP LAN MANAGER ISSUE 2.0 #D905-0037-0000 NCR			
2750	42,42A	1	406937649		UNIT,DATA #4261-K020-0000 NCR			
2755	42,42A	1	407092725		MANUAL,INSTRUCTION LOAD NFS BASE OP ENV #3434-F811-0000 NCR			
2760	43	1	407093152		SOFTWARE,OPERATING ONLINE RUNTIME INFORMIX			
2770	43	1	407093160		SOFTWARE,OPERATING SQL RUNTIME (1-16 USERS, PORT ID #031 071) INFORMIX			
2775	43	1	407093178		SOFTWARE,OPERATING STAR RUNTIME (1-16 USERS,PORT ID #031 071) INFORMIX			

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

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STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
2780	44	1	406985747		SOFTWARE,"C" DEVELOPMENT SET ISSUE 2.0 #F3411-010 NCR			
2785	44A	1	407092774		MANUAL,INSTRUCTION C DEV TOOLKIT #F441-1010-0000 NCR			
2790	44	1	406985721		SOFTWARE,INFORMIX ONLINE DEV ISSUE 5.0 INFORMIX			
2795	44A	1	407093186		SOFTWARE,OPERATING ONLINE DEV (1-16 USERS,PORT ID #031 071) INFORMIX			
2800	44	1	406985739		SOFTWARE,INFORMIX, SQL DEVELOPMENT ISSUE 4.10 INFORMIX			
2802	44A	1	407093194		SOFTWARE,OPERATING SQL DEV (1-16 USERS,PORT ID #031 071) INFORMIX			
2805	44,44A	1	407093202		SOFTWARE,DEVELOPMENT STAR DEV(1-16 USERS,PORT ID #031 071) INFORMIX			
2810	44,44A	1	407093228		SOFTWARE,DEVELOPMENT ESQL/C DEV(1-16 USERS,PORTID #031 071) INFORMIX			
2820	46	1	106831332	3830-A1-001	MODEM,DATA TRANSFER			
2830	46	1	102269610	M25A-87	CORD 9 FT			
2840	47	1	407042381		CARD,COMPUTER #3299-F356-V003 NCR			
2850	47	2	407043835		CABLE,COMPUTER #3299-F358 NCR		S	
2851	47	2	407050376		CABLE ASSEMBLY,COAXIAL #3299-K358 NCR		S	
2860	48	1	846976793		PLATE,GROUNDING			
2870	48	1	846976850		CABLE ASSEMBLY,ESD GROUND			68
2900	49	1	407029107		COMPUTER,PERSONAL #3230-0020 NCR			
2910	49	1	407029131		MEMORY,RANDOM ACCESS 4 BYT, 3.5IN #3230-F100 NCR			
2920	49	1	407029123		DRIVE,HARD DISK #3230-F764E NCR		S	
2921	49	1	407163104		DRIVE,HARD INTERNAL DISK #3230-F755-0000 AT&T GIS			
2930	49	1	406764795		MONITOR,ELEC DISPLAY #CPD-1304S SONY		S	

STOCKLIST CONTINUED ON SHEET D5

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DWG SIZE  
C2

ISSUE  
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OF 21

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STOCKLIST									
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE		
							SYM	NBR	
2931	49	1	407031210		MONITOR, COMPUTER DISPLAY #CPD-1430 SONY CORP.				
2940	49	1	846524874		LABEL, IDENTIFICATION				
4000	J	OMIT 1	406985598		SOFTWARE, STARGROUP LAN MANAGER ISSUE 2.0 #D905-0037-0000 NCR				
4010	J	1	406985630		SOFTWARE, STARGROUP LAN MANAGER ISSUE 2.0 #F396-0330-0000 NCR				
4020	K	OMIT 1	406985598		SOFTWARE, STARGROUP LAN MANAGER ISSUE 2.0 #D905-0037-0000 NCR				
4030	K	1	406985697		SOFTWARE, STARGROUP LAN MANAGER ISSUE 2.0 #D905-0040-0000 NCR				
4040	L,M	1	407092816		SOFTWARE, OPERATING NFS OPERATING ENVIRONMENT #F401-3510-0000 NCR				
4050	L	1	407092840		SOFTWARE, ADMINISTRATION STARGROUP LAN MGR(OSI BASE)MU #F496-0310-0000 NCR				
4060	L,M,N	1	407092923		SOFTWARE, UTILITIES SECURITY ADMIN UTIL #F401-2810-0000 NCR				
4070	L,M	1	407092782		BOARD, MEMORY #3434-F120-0000 NCR				
4080	M	1	407092865		SOFTWARE, ADMINISTRATION STARGROUP LAN MGR(OSI BASE) 1-75 USERS #F496-0310-0000 NCR				
4090	N	1	407092980		SOFTWARE, OPERATING NFS OPER ENV #F401-3540-0000 NCR				
4100	N	1	407092907		SOFTWARE, ADMINISTRATION STARGROUP LAN MGR(OSI BASE) 1-10 USERS #F496-0310-0000 NCR				
4105	52	1	847398971		KIT, PERSONAL COMPUTER				
4110	52,53	1	407168293		MONITOR, COLOR VIDEO #3415-3501-8090 SAMSUNG ELECTRIC CORP				
4115	52	1	846541258		ASSEMBLY, BOARD COMBINED SERVICE TERM OSPS				66 69
4117	21A, 60, 60A, 60B, 60C, 61, 61A, 61B	1	847401601		ASSEMBLY, BOARD OSPS ENHANCED INTELL PC			S	
4120	52	2	ED5D621-35,G124D		CABLE, CONNECTORIZED ASSEMBLY			S	
	53		G124D,						
	54		G124D,						
	55		G124D,						
	60		G124D,						
	61		G124D						
4121	60 60A 60B 60C 61 61A 61B	2	ED5D621-11,G11K, G11K, G11K, G11K, G11K, G11K, G11K		CABLING, INTERCABINET				
4130	53	1	847628633		KIT, COMPUTER				

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

ED5X231-30

STOCKLIST									
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE		
							SYM	NBR	
4140	54	1	847744257		KIT, COMPUTER				
4150	55	1	847744265		KIT, COMPUTER				
4160	56,550	1	407574847		INTERFACE, LOCAL AREA NETWORK #PCL8120 HEWLETT PACKARD				
4162	60C	1	848793568		KIT, COMPUTER				
4170	551,P	1	407574862		MEMORY, SINGLE INLINE MEM. MODULE #D3647A HEWLETT PACKARD				
4200	60	1	847927332		KIT, MONITOR SET				
4210	61	1	847927357		KIT, MONITOR SET				
4220	19A	1	407534775		KEYBOARD, PERSONAL COMPUTER #E03586INT-C KEYTRONICS				
4230	50A	1	407534791		KEYBOARD, PERSONAL COMPUTER #E03586LA-C KEYTRONIC				
4240	57	1	407921097		KEYBOARD, PERSONAL COMPUTER OSPS-KEYBD-ARABIC #E03586AR-C KEYTRONICS				
4250	62	1	848128278		CABLE ASSEMBLY, MODULAR				
4260	60A	1	848219366		KIT, COMPUTER				
4261	60B	1	848344594		KIT, COMPUTER				
4270	61A	1	848219374		KIT, COMPUTER				
4271	61B	1	848344602		KIT, COMPUTER				
4280	58	1	408145597		KEYBOARD #MID-KM064A TIPRO KEYBOARDS				
6000	500	1	847473634		KIT, ICW BASE				S
6002	501	1	847628633		KIT, COMPUTER				S
6004	501	1	407168293		MONITOR, COLOR VIDEO #3415-3501-8090 SAMSUNG ELECTRIC CORP				S
6006	501	2	ED5D621-35,G124D		CABLE, CONNECTORIZED ASSEMBLY				S
6010	505	1	846541258		ASSEMBLY, BOARD COMBINED SERVICE TERM OSPS				S 69
6015	501,507	1	847401601		ASSEMBLY, BOARD OSPS ENHANCED INTELL PC				S 69
6020	506	1	847473659		KIT, ICW NAU				S
6050	510	1	406180034	KS23767L1	HEADSET				S
6060	511	1	406180042	KS23767L2	HEADSET				S
6070	512	1	406180067	KS23767L3	HEADSET				S
6080	513	1	406216549		HEADSET, OPERATOR SERVICES IN-THE-EAR #25150-01 PLANTRONICS				S

STOCKLIST CONTINUED ON SHEET D6

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BT13	
5ESS* SWITCHING EQUIPMENT SPECIFICATION FOR INTELLIGENT COMMUNICATION WORKSTATION EXPORT * LUCENT TECHNOLOGIES TRADEMARK	
DWG SIZE C2	ISSUE 21
LUCENT TECHNOLOGIES INC	ED5X231-30
SHEET OF	D5 21

STOCKLIST

ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
6090	514	1	406216556		HEADSET, OPERATOR SERVICES/OPS COMES W/PLASTIC CLOTHING CLIP, POUCH, USER'S GUIDE & SPARE INSERT CARDS. #25151-01 PLANTONICS		S	
6100	515	1	406219907	KS23653L3	HEADSET		S	
6120	520	1	501013536	56K122AFQ	KEYBOARD OPERATOR SERVICE POSITION SYSTEM INTERNATIONAL		S	
6130	521	1	406615880		KEYBOARD, PERSONAL COMPUTER 138UN PC AT SYNCHRONOUS		S	
6140	522	1	501013544	56K122AGR	KEYBOARD OSPS TAIWAN		S	
6160	530	1	847473675		KIT, ICW LAN		S	
6170	531	1	847473683		KIT, ICW LAN INFORMIX RUNTIME		S	
6180	532	1	847473691		KIT ICW LAN INFORMIX DEVELOPMENT		S	
6190	533	1	847473758		KIT ICW LAN SOFTWARE UNLIMITED USERS		S	
6200	534	1	847473782		KIT ICW LAN SOFTWARE 75 USERS		S	
6210	535	1	847473790		KIT ICW LAN SOFTWARE 10 USERS		S	
6220	536	1	106260409	109A1	UNIT, DATA		S	
6230	537	1	847473808		KIT ICW LAN AUI		S	
6240	538	1	847473816		KIT ICW LAN LINK HARDWARE		S	
6245	539	1	847473667		KIT, ICW X.25		S	
6250	540	1	847473824		KIT ICW ESD HARDWARE		S	
6260	541	2	ED5D621-35, G124D		CABLE, CONNECTORIZED ASSEMBLY			
6270	542	1	847473832		KIT ICW LASER PRINTER HARDWARE		S	
6280	543	1	406209841		SET, DATA #MLDS123X GANDALF DATA INC.		S	
6290	545	1	847473840		KIT ICW REMOTING HARDWARE		S	
6300	546	1	847473857		KIT ICW POWER SUPPLY		S	
6310	547	1	106448921		KIT, POWER SUPPLY 2.5 AH BATTERY		S	
6320	548	1	405734054	NTIP-100	PACK, CIRCUIT PHILIPS		S	
6330	503	1	847753530		KIT, HARDWARE			
6340	504	1	847753548		KIT, HARDWARE			

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

AA

TABLE AA		
DW8A-DE CABLE		
LENGTH		COMCODE
10 FT	3.0M	106451982
25 FT	7.6M	106451990
50 FT	15.2M	106452006
75 FT	22.8M	106452014
100 FT	30.4M	106452022
150 FT	45.7M	106452030
200 FT	60.9M	106452048

AB

TABLE AB		
M25A-87 CABLE		
LENGTH		COMCODE
5 FT	1.5M	102269602
9 FT	2.7M	102269610
25 FT	7.6M	102269628
50 FT	15.2M	102269636
75 FT	22.8M	103638672