AMARS NO.1A AUTOMATIC MESSAGE ACCOUNTING RECORDING CENTER MAIN ALARM DISPLAY, AUXILIARY ALARM DISPLAY AND INTERFRAME WESTERN CABINET CABLING (INITIAL NO. 1A AMARC INSTALLATIONS ONLY) (GENERIC 3 OR LATER)

CONTENTS

1. GENERAL INFORMATION

1.1 The Main Alarm Display, Auxiliary Alarm Display (if provided), and interframe Western Cabinet Cabling will be installed in this section.

1.2 Refer to ED5P285 for cable dress information.

1.3 Refer to SD-5P012-01 for connector to backplane pin number conversions.

1.4 The installation and tests of Sections 204D, 204E and 204F should be completed before proceeding with this section.

1.5 Disregard the lighting of LED's on circuit packs. Handbook 59 Section 204H will be used to verify proper illuminations of all untested LED's.

1.6 The J1P040W-1 cabinet(s), if equipped, will be cabled in a later handbook section.

1.7 This section is to be run on initial No. 1A AMARC installations only. Do not run this section on an existing live billing No. 1A AMARC system.

2. RECORDS AND REQUIREMENTS

2.1 The Test Trouble Record forms (SD-97-1313 and SD-97-1315) should be used to record all troubles which are encountered when performing the procedures of this Handbook Section.

3. TEST EQUIPMENT

3.1 One ITE-5632 Digital Multimeter (or equivalent).

4. CABLING NOTE

4.1 When connecting ED-5P284-31 cables to a unit backplane, the triangle embossed on the connector should always be on the bottom.

5. POWER REMOVAL

5.1 Remove power from the CPU's by turning the ON/OFF switch on both programmer's console to the OFF position.

5.2 Remove power from the J1P040D-1 Cabinet.

5.21 Turn the two power switches on the 0 PWR SUPP to the OFF position.

5.22 Remove power from the two +28v power supplies by removing the plug from outlet 4 on the power strips on both sides.

5.3 Remove power from the J1P040V-1, List 1 Cabinet (if provided) by turning the two power switches on the 1 PWR SUPP to the OFF position.

5.4 Remove power from the J1P040V-1 List 2 Cabinet (if provided) by turning the two power switches on the 2 PWR SUPP to the OFF position.

6. INSTALLATION OF THE ALARM DISPLAY UNIT(S)

6.1 Main Display Unit

6.11 The Main Display Unit is to be mounted in the Processor Cabinet for CPU0. Refer to SD-5P006-01, Note 202 for mounting information.

6.12 Connect the ED-5P284-31 group 60 cables listed in TABLE 1 from the Main Display Unit to the J1P040DB (CONT) Unit located in the J1P040D-1 Cabinet.

NOTE: Refer to SD-5P006-01, Note 202 for cable routing and cable tie information.

6.2 AUXILARY DISPLAY UNIT (IF PROVIDED)

6.21 The TELCO will provide the location information for the Auxiliary Display Unit.

6.22 Connect the TELCO provided M25A cables, or equivalent, listed in TABLE 2 from the Auxiliary Display Unit to the J1P040DB (CONT) Unit located in the J1P040D-1 Cabinet.

7. INTERFRAME WESTERN CABINET CABLING

7.1 Connect the ED-5P284-31 cables listed in TABLE 3 from the specified unit in the J1P040D-1 cabinet to the specified unit in the J1P040V-1, List 1 cabinet (if provided).

7.2 Connect the ED-5P284-31 cables listed in TABLE 4 from the specified unit in the J1P040D-1 Cabinet to the specified unit in the J1P040V-1, List 2 Cabinet (if provided).

7.3 Provide or verify all cabinets are grounded per SD-5P006-01, Note 112.

8. FLEXPORTS

8.1 Flexport is the functional name given to a local or remote TTY. Remote TTY's require a connection to a data set. Local TTY's require a connection to a Null Modem and Static Filter on a SH11 circuit pack. Up to 7 local TTY can be connected to the system. A total of 16 TTY's (local plus remote) can be connected to the system (this is in addition to System Console 0 and System Console 1).

8.2 All cables for connections to Flexports are TELCO provided. All cabling to data sets for remote Flexports are the responsibility of the TELCO. All cable designations per SD-5P016-01 for Flexports are the responsibility of the TELCO. The TELCO is responsible for slot assignment and identificiation on the designation strip for the STATIC FILTER and NULL MODEM (SH11) circuit pack) for use with Local Flexports.

8.3 Verify that all SH11 circuit packs are equipped per TELCO provided information in the 1 PWR/FLT Unit located in the J1P040V-1, List 1 Cabinet (if provided).

9. TASC CABLING

9.1 TASC cables are provided and connected by the TELCO, were applicable.

10. OFFICE ALARMS

10.1 It is the responsibility of the TELCO to provide and connect to the ROOM ALM CKT and BUILDING ALM CKT.

11. POWER RESTORAL

11.1 Restore power to the CPU's by turning the ON/OFF switch on both programmer's console to the ON position.

11.2 Restore power to the J1P040D-1 Cabinet.

11.21 Turn the two power switches on the 0 PWR SUPP to the ON POSITION.

11.22 Restore power to the two +28V power supplies by restoring the plug to outlet 4 on the power strips on both sides.

11.3 Restore power to the J1P040V-1, List 1 Cabinet (if provided) by turning the two power switches on the 1 PWR SUPP to the ON position.

11.4 Restore power to the J1P040V-1, List 2 Cabinet (if provided) by turning the two switches on the 2 PWR SUPP to the ON position.

12. AUDIBLE ALARMS

12.1 Retire any audible alarms by operating the alarm release key on the main display unit.

ATTACHMENTS
Tables 1, 2, 3, 4,
on pages 4 & 5.

Manager, Product Engineering
Control Center

Reason for Reissue:
To include UIS information and
add note about J1P040W-1 cabinet cabling.

TABLE 1

FROM MAIN DISPLAY UNIT			TO J1 P040DB(CONT)	
DESIG	LOC	STAMPED	LOC	STAMPED
CB13	J1	MDISP - J1	16 - 032	CONT 16 - 032
CB14	J2	MDISP - J2	16 - 040	CONT 16 - 040
CB15	J3	MDISP - J3	16 - 112	CONT 16 - 112
CB16	J4	MDISP - J4	16 - 104	CONT 16 - 104

TABLE 2

FROM AUXILARY DISPLAY UNIT		TO J1P040DB (CONT)	
LOC	STAMPED	LOC	STAMPED
J1	ADISP - J1	16-016	CONT 16 - 016
J2	ADISP - J2	16-024	CONT 16 - 024
J3	ADISP - J3	16-120	CONT 16 - 120

TABLE 3

DESIG	GROUP	STAMPED	CONNECTED FROM		CONNECTED TO		STAMPED
			LOC	UNIT	LOC	UNIT	
*CB2-0	65	PULSE 04-058	TRMTC01 RCVC01 RERTN01	PULSE PULSE PULSE	TRMTC01 RCVC01 RERTN01	OASYN OASYN OASYN	OASYN
**CB2-1	65	PULSE 04-093	TRMTC11 RCVC11 RERTN11	PULSE PULSE PULSE	TRMTC11 RCVC11 RERTN11	OASYN OASYN OASYN	OASYN
CB2	57	OACU-06-010-Q2	06-010-Q2	OACU	06-010-Q3	OASYN	OASYN-06-010-Q3
CB4	57	ALM-10-082-Q4	10-082-Q4	ALM	06-010-Q3	TTY	TTY-06-010-Q3
*CB4-0	65	PULSE 04-058	RCVC04 RCVC04 RERTN04	PULSE PULSE PULSE	TRMTC04 RCVC04 RERTN04	TTY TTY TTY	TTY(VO)
**CB4-1	65	PULSE 04-093	RCVC14 RCVC14 RERTN14	PULSE PULSE PULSE	TRMTC14 RCVC14 RERTN14	TTY TTY TTY	TTY(VO)
CB21	74(M25A cable	OPWR/FLT 04-090	04-090 CONN A on CP(SH11)	OPWR/FLT	02-016	TTY	TTY 02-016
CB22	74(M25A cable	ALM 02-024	02-024	ALM	14-016	TTY	TTY 14-016

* The wire from the shield on this cable is connected in the J1P040D-1 Cabinet at GND BUS 0.
** The wire from the shield on this cable is connected in the J1P040D-1 Cabinet at GND BUS 1.

TABLE 4

DESIG	GROUP	STAMPED	CONNECTED FROM		CONNECTED TO		STAMPED
			LOC	UNIT	LOC	UNIT	
*CB3-0	65	PULSE 04-058	TRMTC02 RCVC02 RERTN02	PULSE PULSE PULSE	TRMTC02 RCVC02 RERTN02	1 ACU 1 ACU 1 ACU	1 ACU
**CB3-1	65	PULSE 04-093	TRMTC12 RCVC12 RERTN12	PULSE PULSE PULSE	TRMTC12 RCVC12 RERTN12	1 ACU 1 ACU 1 ACU	1 ACU
CB3	57	ALM-10-082-Q2	10-082-Q2	ALM	06-010-Q3	SEE NOTE 1	To Bottom Most Equipped Unit 06-010-Q3

* The wire from the shield on this cable is connected in the J1P040D-1 Cabinet at GND BUS 0.
** The wire from the shield on this cable is connected in the J1P040D-1 Cabinet at GND BUS 1.

NOTE 1: CB3 connects from the ALM unit to the bottom most unit designated 2 ASYN or 1 ACU in the J1P040V-1, List 2 Cabinet.