Installation Engineering Handbook 59
Western Electric
Columbus Works

Section 202

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AMARS
NO. 1A AUTOMATIC MESSAGE ACCOUNTING AND RECORDING CENTER
ARRIVAL, INSPECTION AND ACCEPTANCE OF
THE AMARC EQUIPMENT

CONTENTS

1. GENERAL INFORMATION

1.1 This section describes the procedure that should be followed upon the arrival and inspection of the AMARC Equipment. Also provided is a list of possible problem areas related to the delivery and initial testing of the Digital Equipment Corporation equipment. These areas can be reviewed either during the initial inspection of the DEC equipment by Western Electric or while the field Supplier representative is present.

1.2 Refer to Handbook 3, Section 25 for additional information pertaining to the installation and warranty considerations for the DEC minicomputer systems.

2. ARRIVAL OF THE MINICOMPUTER

2.1 Upon receiving the Digital equipment, immediately visually inspect the shipping containers for exterior damage incurred during shipping (bent frames, door, etc.). Verify at this time that the shipping pallets have not been dropped by inspecting the shock absorbing foam material between the pallet for signs of being compressed. Report any damage to the shipper.

2.2 No unpacking, uncrating, or movement of the DEC equipment from its initial place of delivery shall take place without approval from a DEC represent-

ative. Violations of this may void the warranty. Once the approval has been obtained, have the cabinets on the shipping pallets moved to the selected location of the Recording Facility.

2.3 Store all material (schematics, program listings, paper tapes, DEC handbooks, and miscellaneous small hardware) conveniently near the minicomputer.

2.4 Do not unbolt nor remove the equipment from the shipping pallets until the Supplier representative arrives at the installation site. The representative will observe and provide uncrating information.

2.5 The cabinets containing equipment manufactured by Western Electric should be located per the floor plan data sheets.

2.6 Verify that arrangements have been made with Digital Equipment Corporation to have their field representative present for DEC Diagnostic tests.

3. INSPECTION OF DEC EQUIPMENT

3.1 With the Supplier representative carefully inspect the DEC cabinets to verify that equipment on the shipping list compares to that of the J1P040. Inspection can be accomplished through the opening of the back door of each cabinet. The modular units within the DEC cabinets are to be located as specified in SD-5P006-01. Location of options and miscellaneous circuitry are also specified in SD-5P006-01.

3.2 Labels containing shipped equipment information are placed on each module unit. Two side panels should be included in DEC shipment. These panels can be placed on the exterior side of the outside cabinets.

3.3 The list of major equipment (or options) per PDP-11 to be delivered is as follows:

CODE	TITLE
M9301-SN	Bootstrap Loader
KB11-C	PDP11/70 Processor with Memory Management and Cache Memory
DMC11-AL	Microprocessor
DMC11-MA	1 Megabit Local Line Unit
DL11-WB	Asynchronous Serial Line Interface and Line Frequency Clock
TR79-FA	Tape Drive Cabinet
DD11-DF	Peripheral Mounting Panel
DN11-AA	Prewired System Unit capable of handling up to four DN11-DAs
DB11-A	Bus Repeater
DR11-C	General Purpose Interface
DZ11-B	Asynchronous Multiplexor
DN11-DA	Line Interface for 801 ACU
KW11-P	Real Time Clock
KG11-A	Communication Arithmetic Element
LA120	System Console
RH70	Disk Controller
RP06-AA	Disk Drive
RP06-P	Disk Pack
RP06-PX	Disk Pack-Error Free
MK11-CA	Memory Box capable of handling up to three MK11-CE's

3.4 Inspect all AMA Magnetic Tape shipped with the Hewlett Packard Tape drive. These tapes must be labeled as certified for 1600 BPI Density Recording. If either Tape is not so labeled, arrange for replacement.

3.5 Do Not connect power to the DEC equipment until the Supplier representative arrives. Do not make any connections or modifications within either sets of DEC cabinets until after the system has passed DEC Diagnostic Tests and is accepted. The only cabinets which may be worked on prior to the representative arriving is the Western Electric cabinets.

4. POSSIBLE PROBLEM AREAS

4.1 The DEC/X11 is a software system that provides the user the means to run interactive hardware system exerciser programs. It is designed to detect system failures caused by system interaction. Verify that the desired exerciser module has been created for this system. If the module has not been created, it will be necessary to create the program using the configuration/ linker program.

4.2 The operating company may have chosen the option to have the DEC cabinets bolted to the floor. In this case, it is TELCo's responsibility to arrange for such bolting.

4.3 Option settings on the 202T, 202S, 201C, 208A, 2024A, and 2048A data sets must meet USOC codes per notes in SD-5P006-01 and are the responsibility of the TELCO. These options are required for proper operation.

4.4 Review warranty agreements for the DEC equipment received. Normally, the warranty covers three months after the minicomputer is field tested by the supplier representative and accepted by the customer. In order to avoid excess expenses, all testing (Western Electric) should be completed on the No. 1A AMARC prior to the expiration of the warranty. DEC field support after the warranty period ends is available on per call basis unless a maintenance contract between WECo and TELCo and Digital Equipment Corporation has been made.

5. ACCEPTANCE

5.1 The standard DEC installation practice is for the DEC Installer to "bring up" each device first by loading and running that device's diagnostic. When all the individual device diagnostics have passed at least once, the DEC/X11 System Exerciser is run. It is agreed between Digital Equipment Corp. and Western Electric Co. that when the DEC/X11 program runs successfully with no errors the testing portion of the DEC installation is complete.

5.2   Two DEC forms must be signed for both computers before installation is considered complete. Any damage or discrepancies that were detected should be indicated on the reports prior to signing them.

5.21   The Field Service Activity Report/Order This form acknowledges that repairs and material received for repairs have been received.

5.22   Customer Acceptance Form: The signing of the form signifies that the installation and test has been satisfactorily completed.

5.3   Arrangements should be made for contacting DEC if their equipment fails to pass subsequent installation tests.

Manager, Product Engineering
Control Center

Reason for Reissue:
  To include UIS information.