

BASIC ELECTRONICS MAINTENANCE TRAINER (BEMT)

**Functional Description:**

The BEMT consists of 220 Student/Instructor stations and a system console linked together in a Local Area Network (LAN). All of the stations are basically the same with the exception of the system console. The system console is operated by the system manager in the Trainer Control Center (TCC). BEMT Student/Instructor workstations are built around an 80386 Personal Computer (PC). A video disk player, a NIDA electronics trainer and a multifunction test set are connected to the PC. The system console in the TCC consists of two 80386 computers connected to the LAN server which is an 80486 computer. The console system also includes an optical disc drive and a switch unit that allows the three computers to share a monitor. The BEMT LAN runs on Novel NetWare Version 3.11. The workstations run Windows 3.11 and DOS 6.22. Most of the courseware is written in IconAuthor Version 3.0, while student administrative and progress data is stored in a SuperBase 1.3 database. The interface for all of the above software has been written and compiled using Microsoft C.

Purpose of Trainer:

BMET is designed to support the training of students in all aspects of basic electronics, including theory and hands-on application. The system allows instructors and administrators to assign lesson modules to either a class of students or individual students and to track their progress.

Physical Information:

Information not available

Equipment Required, Not Supplied:

Information not available

Special Installation Requirements:

Information not available

Power Requirements:

Information not available

Training Category/Level Utilized:

Signal/Level 1

Training Requirements Supported:

Information not available

Source and Method of Obtaining:

Not generally available for issue (limited production).

Applicable Publications:

Information not available

Reference Publications:

Information not available

Logistic Responsible Command, Service, or Agency:

PEO STRI