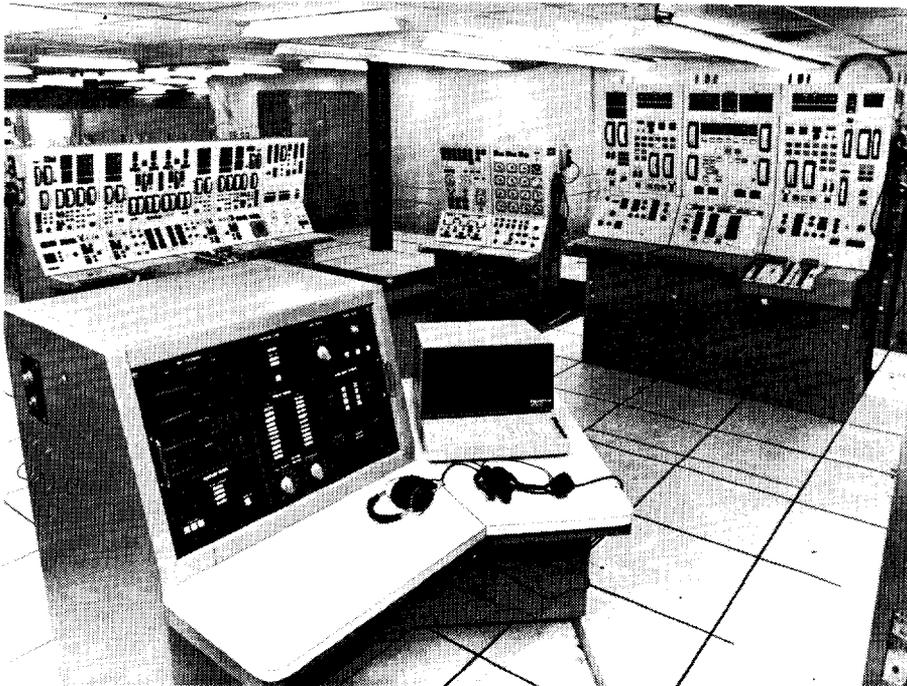


## DIRECTORY OF NAVAL TRAINING DEVICES



### DD-963 ECSS OPERATOR AND MAINTENANCE TRAINER, DEVICE 19E3

#### TRAINING CATEGORY:

PROPULSION ENGINEERING (Maintenance Equipment)

#### ORIGINATING AGENCY:

CNET

#### SECURITY CLASSIFICATION:

Device 19E3 is unclassified.

#### INTENDED USE:

Device 19E3 will be used to familiarize operator and maintenance personnel with the Central Control Stations, displays, and alarms; to develop and exercise procedural skills and knowledge of operator personnel; to develop and exercise maintenance and casualty analysis skills of personnel; and to develop and exercise coordination skills and procedures of both operator and maintenance personnel.

#### FUNCTIONAL DESCRIPTION:

Central Control Station Operator Trainer is used to provide operator training for the propulsion and auxiliary systems and, as a secondary function, provide maintenance training on the console and associated electronics to the module level.

Device 19E3 consists of the following major components:

- (a) Government furnished equipment assemblies
- (b) Digital computation system
- (c) Program Operator Console
- (d) Intercommunication System

#### PHYSICAL INFORMATION:

The device consists of operational equipment consoles and associated electronic enclosures, general purpose digital computer and associated hardware, interface equipment racks, and an instructor's console.

**ENVIRONMENTAL CHARACTERISTICS:**

Trainer will be housed in a building which will be capable of providing room ambient temperature at  $70 \pm$  ° F and the building humidity level to below 60%.

**INSTALLATION AREA:**

The trainer will be housed in a building at Great Lake NTC, IL, and will be protected from extreme variations of humidity and temperature.

**POWER REQUIREMENTS:**

120/208 VAC 30, 4-wire, 60 Hz., 24 KVA

**PUBLICATIONS FURNISHED:**

Maintenance Manual, Planned Maintenance System, Commercial Computer Documentation Work Unit Code Manual, Instructor's Handbook

**REFERENCE PUBLICATIONS (NOT SUPPLIED):**

Related GFE Manuals for the DD963 Destroyer

**PERSONNEL:**

**Instructors:** Two (2)

**Maintenance Technicians:** Two (2)  
(Does not include GFE Maintenance Personnel)

**CONTRACT IDENTIFICATION:**

Manufactured by The Singer Company, Simulation Products Division, Silver Spring, MD under NAVTRASYSCEN Contract No. N61339-73-C-0047.

**LOCAL STOCK NUMBER:**

6930-LL-C00-2241