



LANDING CRAFT AIR CUSHION - FULL MISSION TRAINER, DEVICE 20G6

TRAINING CATEGORY:

SURFACE OPERATIONS (SHIP)
 (Amphibious)

ORIGINATING AGENCY:

NAVSEA

SECURITY CLASSIFICATION:

Device 20G6 is unclassified.

PURPOSE OF DEVICE:

To provide realistic training and practice in the navigation, operation and engineering of the Landing Craft Air Cushion.

INTENDED USE:

To provide operator, engineer, navigator, and group commander training in craft systems management, craft control and operating systems emergencies and abnormal procedures to effectively operate and manage the systems aboard the LCAC craft.

FUNCTIONAL DESCRIPTION:

Device 20G6 is a mode selectable, computational system providing four (4) different simulated data bases from which operations take place.

The device is distributed in four (4) distinct areas: high bay, off-board instructor area, computer area, and pump room area. High bay area contains the trainee/instructor cabin, motion system, visual system and support equipment. Computer area contains all computational devices for developing scene and operational data. Off-board instructor area is provided for remote control of the training device. Pump room area houses hydraulic equipment in support of the motion system.

The trainer simulates not only the response of the LCAC overwater and overland characteristics and craft systems, but the visual, aural, and environmental sensations as well. Visual data-bases are provided for Long Beach Harbor, Panama City Harbor, Bodega Bay and Morehead City. Instructional features include the capability to intervene through changing environmental conditions and inserting malfunctions.

DIRECTORY OF NAVAL TRAINING DEVICES

PHYSICAL INFORMATION:

Number of Rooms: Four (4)

Sizes: Computer - 24' L x 30' W x 9' H
Instructor - 16' L x 14' W x 9' H
High Bay - 40' L x 47' W x 30' H
Pump Room - 12' L x 16' W x 8' H

Approximate Weight of Total Equipment:
212 Tons

POWER REQUIREMENTS:

125 Amp per Ph, 277/480 VAC, 3-Ph, 60 Hz
275 Amp per Ph, 277/480 VAC, 3-Ph, 60 Hz
225 Amp per Ph, 120/208 VAC, 3-Ph, 60 Hz
125 Amp per Ph, 480 VAC, 60 HZ

PUBLICATIONS FURNISHED:

1. Operation and Maintenance Manuals
NTSC P-6775 (U)
2. PMS NTSC P-6776 (U)
3. Vendor Manuals NTSC P-6777 (U)

PERSONNEL:

Instructor: To have been a crew member (operator, engineer, or navigator) of one of the operational units (ACU4 or ACU5) and to be a graduate of the Navy's Instructor Instructor Training school.

Operator: Instructor-Operated

Trainees: Class of up to three (3)

Maintenance: Two (2) technicians, 40 hrs per week.

CONTRACT IDENTIFICATION:

Manufactured by Hughes Training Inc.,
Herndon, VA under NAVTRASYSCEN Contract
No. N61339-86-C-0087.

LOCAL STOCK NUMBER:

6930-LL-C00-6653