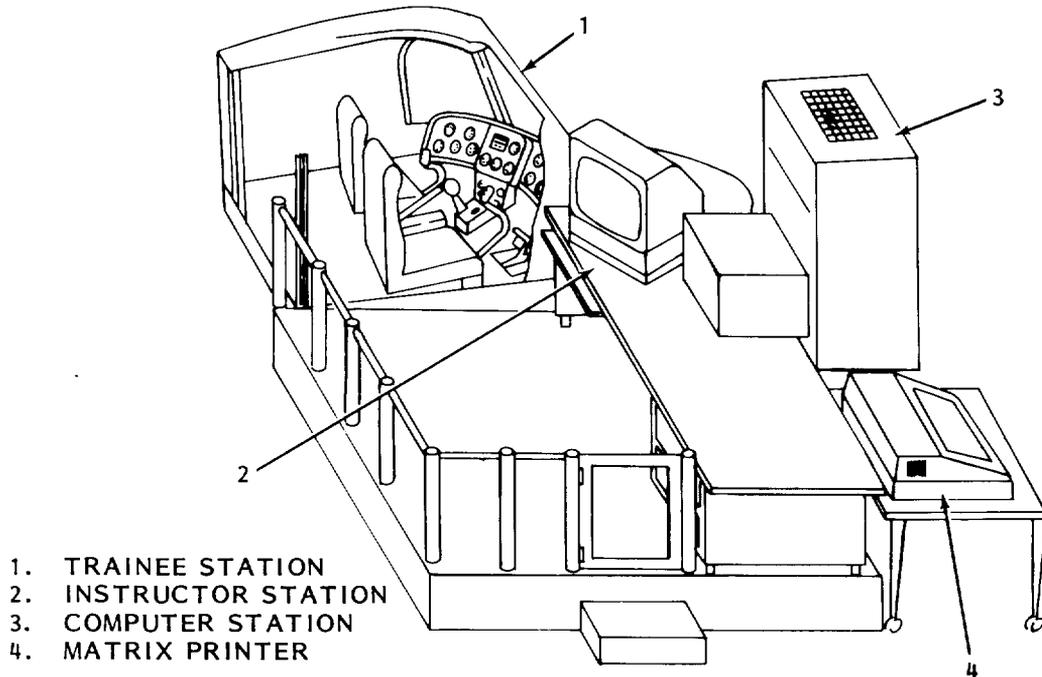


DIRECTORY OF NAVAL TRAINING DEVICES



UH-1 LOW COST COCKPIT PROCEDURES TRAINER, DEVICE 2C69

TRAINING CATEGORY:

AVIATION (Cockpit Checkout Procedures)

ORIGINATING AGENCY:

DCNO (AIR)

SECURITY CLASSIFICATION:

Device 2C69 is unclassified.

Purpose of Device:

To provide cockpit procedures training in a simulated and realistic environment.

INTENDED USE:

In flight school for laboratory (hands-on) training for pilots and copilots with varying degrees of experience and training.

FUNCTIONAL DESCRIPTION:

Device 2C69 allows potential UH-1N pilots and copilots to train in cockpit procedures, on ground or in flight, under normal or emergency conditions.

The device consists of a computer station (including an aural cue synthesizer which duplicates some of the aural environment of the UH-1N), an instructor station to control the device, and the trainee station.

The computer station interfaces the trainee station to the instructor station. It encodes and decodes all analog and digital signal flow through the I/O controllers. The aural cue synthesizer can recreate seven of the most familiar noises the aircrew will encounter. These noises also vary in

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intensity with trainee interaction to present a realistic environment.

The instructor station consists of a CRT monitoring device and a keyboard, both of which can be made accessible to the trainee(s). These devices are the primary tools in controlling and monitoring malfunctions that the trainees will encounter.

The trainee station is a renovated UH-1N cockpit that has been fitted with real and simulated controls, monitors, indicators, and flight control equipment. This presents the trainees with a realistic form, fit, and feel environment.

PHYSICAL INFORMATION:

Number of pieces: three (3) major and one (1) minor (printer).

Sizes:

Computer Station	- 24"W x 24"D x 70"H
Instructor Station	- 60"W x 30"D x 30"H
Trainee Station	- 96"W x 96"D x 72"H
Printer Table	- 24"W x 24"D x 35"H

Weights:

Computer Station	- 200 pounds
Instructor Station	- 101 pounds
Trainee Station	- 900 pounds
Printer Table/Printer	- 85 pounds
Total System	- 1,300 pounds

POWER REQUIREMENTS:

115 VAC, 60 Hz single phase, 20 amp maximum (less utility power)

INSTALLATION REQUIREMENTS:

Facility Size - 16 feet x 20 feet minimum
 Floor Loading 50 lb/ft² (maximum)
 Temperature - 60° - 80°F
 Relative Humidity - 75% Max

PUBLICATIONS FURNISHED:

Operations and Maintenance Handbook with Parts List, UH-1N Cockpit Procedures Trainer, Device 2C69, NTSC P-5277(U) and NTSC P-5278(U).

REFERENCE PUBLICATIONS NOT SUPPLIED:

NATOPS Manual for the UH-1N Aircraft, NAVAIR 01-110HCE-1.

PERSONNEL:

Instructor: one (1) UH-1N qualified Naval Flight Officer or equivalent civilian.

Operator: operation to be controlled by instructor or trainee

Trainees: 2 maximum

Trainee Observers: class size of 10 maximum

Maintenance Men: maintenance to be performed by COMS personnel.

CONTRACT IDENTIFICATION:

Manufactured by Simtronics, Inc., Hauppauge, NY, under Contract No. N61339-85-C-0135.

LOCAL STOCK NUMBER:

6930-LL-C00-6718