

DATA ITEM DESCRIPTION

Title: EQUIPMENT FACILITY REQUIREMENTS (EFR) PLAN

Number: DI-SESS-81638

AMSC Number: N7485

DTIC Applicable:

Office of Primary Responsibility: SEA 04L2

Applicable Forms:

Approval Date: 20021017

Limitation:

GIDEP Applicable:

OPNAV CK 4790

Use/Relationship: The Equipment Facility Requirements (EFR) Plan identifies the training equipment shore facility requirements and coordinates the training responsibilities transition from the Training Support Agent (TSA) to the Training Agent. An EFR Plan is applicable to all situations where procurement of Technical Training Equipment (TTE) / Training Devices (TD) and logistic support is required to establish or sustain formal training at Naval training activities.

This Data Item Description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task required as delineated in the contract.

This Data Item Description (DID) is applicable to all acquisition programs where the procurement of Technical Training Equipment (TTE) / Training Devices (TD) and logistics support is required.

This plan is the principal document stating equipment facility requirements and all logistic support elements necessary to support the establishment of a training program at a Naval training activity.

Requirements:

1. **Format**. The EFR shall be presented in the contractor's format as follows:
 - a. Cover Page
 - b. Executive Summary
 - c. Table of Contents
 - d. Preface
 - e. List of Acronyms
2. **Content**. The plan shall contain the following sections:
 - 2.1 **Section I** - Facility Requirements and Identification (Preliminary Site Survey)
 - 2.1.1 Date Preliminary Site Survey conducted shall be identified as day/month/year.

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DISTRIBUTION IS UNLIMITED.

2.1.2 Navy Training System Plan (NTSP) shall reference the Training Device Requirements Document (TDRD) or establishing authority. Cite NTSP number, date and status (draft, proposed) if no NTSP, cite TDRD or other documentation which establishes the requirement.

2.1.3 Operational Use Summary (Unclassified). Describe the operational use of the equipment as it applies to total force use. Identify ship classes on which equipment is installed.

2.1.4 Training Concept Summary. The scope of training to be established, sustained, or revised as a result of the installation, i.e., Intermediate / Organizational level maintenance and Operator Training as well as the course titles and identification numbers (CIN) shall be identified.

2.1.5 Functional Description. A brief functional description of the training equipment.

2.1.6 A listing of Training Equipment to be installed, Technical Training Equipment and/or Training Devices to be provided, quantity, procuring activity(s) and delivery status shall be included.

2.1.7 Interface / Impacts on Other Training Equipment. Describe the interfaces / impacts on other training equipment, including computers, which are presently installed or planned for installation. Instances of multiple phased installations, which are covered by other individual EFR Plans, shall be considered. Where applicable, other EFR plans shall be referenced.

2.1.8 Training Equipment to be Replaced. All training equipment that will be replaced and / or relocated as a result of this installation shall be identified.

2.1.9 Training Activity (Command / Location). The training activity's address as listed in the current Standard Naval Distribution List (SNDL), zip code and Unit Identification Code (UIC) shall be identified.

2.1.10 Points of Contact. The Point of contact shall specify:

- a. Command, Code, Name, Title, Telephone DSN/Com
- b. OPNAV Sponsor, CNO Program Sponsor and/or Mission Sponsor
- c. Training Support Agent (TSA), Program Manager, ILS Manager, EFR Manager
- d. Training Agent (TA), List point of contact and Functional Commander, shall be identified.
- e. Training Activity Facility Manager and point of contact within the academic department shall also be identified.
- f. Installation Activity Project Engineer and/or Manager shall be identified.

2.1.11 Training Support Agent Installation Project Number. Identify the number used by the TSA to track and identify the Installation project.

2.2.1 Facility Data.

2.2.2 Training Equipment Location at Training Activity. Include Building Number and Room Number.

2.2.3 Basic Facility Requirements of Training Equipment, including:

- a. Air Conditioning and Heating
- b. Water flow rate, temperature, and purity
- c. Electrical Power
- d. Physical Requirements (Weight, Dimensions, Locations)

2.2.4 Description of Military Construction (MILCON) / Special Project Requirements, including MILCON or Special Project number and relative data.

2.2.5 Section III – Major Milestones

2.2.6 Training Program Ready-For-Training (RFT) date, the CNO established RFT date as set forth in the current Navy Training System Plan or other reference.

2.2.7 Beneficial Occupancy Date (BOD) shall identify the date facility will be ready to receive the equipment in order to begin the installation.

2.2.8 Phase I Data Scheduled Updates, include the (month/year) for MILCON programming and/or Special Project programming.

2.2.9 Phase II Engineering Site Survey scheduled date (month/year).

2.3 Section III – Installation and Transfer Requirements; Engineering Site Survey and Training Support Package

2.3.1 Date Engineering Site Survey conducted (day/month/year).

2.3.2 Identify training course name, Title Course Identification Number (CIN), and length.

2.3.3 Planned date of transfer of responsibility for the training program from the TSA to the TA.

2.3.4 List of Equipment. List of Technical Training Equipment (TTE). State the precise nomenclature of the TTE, quantity to be provided, procuring activity, delivery status, and tracking numbers.

2.3.5 List of Training Devices (TD). State the precise nomenclature of the TD, quantity to be provided, procuring activity, delivery status, and tracking numbers for training devices.

2.3.6 List of Trainer Unique Equipment (TEU). List all Government Furnished Equipment (GFE) to be provided and vendor items to be procured as part of a training device or in support of operational TTE and identify the precise nomenclature of the TEU, quantity to be provided, procuring activity, delivery status, and tracking numbers.

2.3.7 System Interface with Other Installed/Future Systems or Equipment. This shall include updates to the information already provided.

2.3.8 List Major Milestones and Identify the following:

- (a) Date
- (b) Project Number
- (c) Requirement Establishment, such as NTSP
- (d) EFR Manager
- (e) Program Manager
- (f) Training administrator
- (g) Project Manager
- (h) Training Agent
- (i) Training Command. Training Activity short title and location.
- (j) Training Activity point of contact
- (k) Training Activity Facility Manager
- (l) Define the EFR Schedule by date
- (m) Preliminary Site Survey
- (n) Engineering Site Survey
- (o) Trainer Arrangement Drawing
- (p) Design
- (q) Fabrication/Training Hardware
- (r) Site Preparation
- (s) Installation Preparation
- (t) TTE Delivery
- (u) Device Delivery
- (v) Training Hardware Delivery
- (w) Trainer Unique Equipment Delivery
- (x) Installation
- (y) Certification
- (z) Curriculum

- (aa) Software
- (bb) APL Package/Device Spare
- (cc) Test Equipment (General and Special Purpose)
- (dd) Tools (General and Special Purpose)
- (ee) Support Equipment
- (ff) Technical Data Support Package
- (gg) Ready For Training (RFT)
- (hh) Transfer from TSA to TA
- (ii) As Built

2.4 Engineering Site Survey Data

2.4.1 Define Security and Safety Factors.

- a. Identify security Classification of Equipment, courses, include any ADP security requirements
- b. Environmental Safety; Federal, State, and Local
- c. Pressurized Equipment Safety
- d. Nuclear Safety
- e. Electromagnetic Radiation Safety. Include RF hazards to personnel, fuel and ammunition
- f. EM Security (Tempest Survey)
- g. Eye and Ear hazards
- h. Fire Extinguish Requirements. Type of agent(s) recommended and special precautions to be observed.
- i. Airspace Clearance Criteria

2.4.2 Define Utilities.

- a. Air Conditioning and Heating requirements which shall include temperature parameters of the equipment and Heating requirements
- b. Air conditioning/cooling requirements, which shall identify room and equipment
- c. Ventilation requirement which shall include room and equipment
- d. Humidity Factors which shall include room and equipment
- e. Air cleanliness requirements

2.4.3 Define Plumbing requirements which shall identify the following:

- a. Water requirements; flow rate temperature, and purity
- b. Sewage requirements; type, volume/capacity, and pollution abatement

2.4.4 Define Electrical Power requirements, which shall also include the following:

- a. Electrical Power requirements, emergency shut-down requirements
- b. Grounding requirements, such as; AC, DC, Digital, and RF
- c. Requirement for Generators, Transformers, and converters
- d. Lighting requirements
- e. Uninterrupted power requirements
- f. Lighting protection requirements

2.5.5 Hydraulic, Compressed Gas, Steam, Petroleum, Oil and Liquids (POL) and other fluid requirements.

2.6 Exhaust Requirements.

2.6.1 Abatement requirements.

2.6.2 Telephone and Intercom requirements

2.7.3 Define Physical Factors and requirements

a. Limitations

- (1) Space; minimum physical cube requirements into which the requirement will fit and space for foreseeable growth requirements
- (2) Floor loading, false flooring, false overhead and cable runs/waveguide requirements
- (3) Windows and/or special access requirements
- (4) Overhead hoist requirements
- (5) Storage area requirements
- (6) Security/safety limitation requirements. Also, include classified data in computer memory
- (7) Antennas
- (8) Include any other special consideration not previously covered

b. Site Selection shall identify Military Construction (MILCON) / Special Project requirements including building number, room number, site and room modification requirements, equipment room/storage area requirements.

c. Ancillary Site Requirements

d. Site Drawing Requirements

(2) Trainer Configuration Depiction. A preliminary isometric arrangement of the training equipment, given the classroom / laboratory space available.

(3) Estimated completion date for installation design plans provided during Phase II to show the planned training equipment installation with all interfaces and any required modifications to the classroom / laboratory.

(4) As-built/installed equipment drawings submitted to the Training Agent and training activity within 60 days following installation, checkout and final acceptance. Final equipment installation drawings include the following:

- (a) A&E prints that apply to the installation (assembly drawings, elevation drawings, cable and wiring diagrams.)
- (b) Arrangement Prints
- (c) Hotel services
- (d) Physical location
- (e) Special structural diagrams
- (f) Bill of material for training equipment
- (g) Final equipment installation drawings

2.4.8 Training Support Package shall include:

- (1) Spare and Repair Parts
 - b) Description
 - c) Identification
 - d) Procuring activity
 - d) Delivery status

- (2) Test Equipment/General Purpose
 - a) Nomenclature
 - b) Model Number
 - c) COG Code
 - d) FSCM
 - e) SCAT
 - f) NSN
 - g) Quantity
 - h) Procuring Activity
 - i) FY Funded
 - j) Delivery Status

- (3) Test Equipment / Special Purpose
 - a) Nomenclature
 - b) Model Number
 - c) COG Code

- d) FSCM
- e) SCAT
- f) NSN
- g) Quantity
- h) Procuring Activity
- i) FY Funded
- j) Delivery Status

(4) Tools / General Purpose Tools

- a) Nomenclature
- b) Quantity
- c) Procuring Activity
- d) Delivery Status

(5) Tools / Special Purpose Tools

- a) Nomenclature
- b) Quantity
- c) Procuring Activity
- d) Delivery Status

2.5.8 Support Equipment. List all support equipment such as cooling towers, overhead hoists, etc., which allows for training equipment operation or otherwise supports the course of instruction but is not part of the curriculum. Distinguish between GFE and contractor provided equipment and identify the following:

- a) Nomenclature
- b) Quantity
- c) Procuring Activity
- d) Delivery Status

(1) Technical Data Support Package. Identify all technical manuals, PMS documentation, MRC, etc. that is to be provided and include the following:

- a) Identifier
- b) Title
- c) Quantity
- d) Procuring Activity
- e) Delivery Status

(2) Curriculum Material. List all curriculum to be provided to the Training Agent, including NTSP identified course materials and any contractor developed materials to support training devices. The identification of curriculum deliverables should include items such as Instructor Guides., Trainee Materials, TASA, and

Handbooks shall also be included. Identify the curriculum military standard used if applicable. List all Data Item Descriptions (DIDs) used. List all Training Aids to be provided such as films, transparencies, training tapes, mock-ups, pre-faulted modules, fault insertion aids and unique audio-visual equipment including:

- a) Type of Material
- b) Quantity
- c) Procuring Activity
- d) Delivery Status

(3) Software

- (1) Operational
- (2) Nomenclature
- (3) Quantity
- (4) Procuring Activity
- (5) Delivery Status

(b) Maintenance

- (1) Nomenclature
- (2) Quantity
- (3) Procuring Activity
- (4) Deliver Status

(c) Simulation

- (1) Nomenclature
- (2) Quantity
- (3) Procuring Activity
- (4) Delivery Status

2.4.9 Other Equipment Documentation

- (a) Software and IT Security documentation
- (b) Equipment Check-out and Test Procedures Report
- (c) Custody and Inventory Records
- (d) Data Lists
- (e) Parts Lists

2.4.10 Initial Instructor and Support Personnel Training Requirements. Describe all initial (factory) training required prior to the RFT date. Use subheadings as required to show the various types of initial training to be provided. Include required training for assigned instructor personnel and for follow-on maintenance support for training devices.

2.6 Installation Data

2.6.1 Installation Funding Requirements, site Preparation (Installation only required), special project and MILCON

2.6.2 On-Site equipment light-off, checkout and Test Procedures. Describe the manner in which the above actions will be performed in order to demonstrate to the Training Agent that the installation has been accomplished to meet the training requirements. Reference the Acceptance Test Plan (ATP) which should be developed prior to final acceptance and which shall be included as an annex in the EFR plan.

2.6.3 Actions and Decision or Decisions Required.

a. Actions Required

- 1) Action Item
- 2) Command Action
- 3) Due Date
- 4) Status

b. Decisions Required

- 1) Action Item
- 2) Command Action
- 3) Due Date
- 4) Status

2.6.4 Points of Contact

- a) Activity
- b) Name
- c) Telephone
- d) Email

3. Media Requirements. The EFR plan shall be presented in hard copy on 8 1/2 inch bond paper or electronic media specified in the contract on the CDRL DD Form 1423.

END OF DISSESS-81638.