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JOINT STANDOFF WEAPON SYSTEM, N88-NTSP-A-50-8906A/A

(a) OPNAVINST 1500.76

1. Subject NTSP is approved and forwarded per reference (a).
2. Subsequent NTSP review will examine both the effectiveness and efficiency of training outlined in this document.
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FT1 (CNET) (Code ETE32)
FT13 (NATTC) Pensacola (Code 301, 303)
FT78 (NETPDT)(Code 034)

APPROVED

NAVY TRAINING SYSTEM PLAN

FOR THE

AGM-154

JOINT STANDOFF WEAPON SYSTEM

N88-NTSP-A-50-8906A/A

MARCH 2000

AGM-154 JOINT STANDOFF WEAPON SYSTEM

EXECUTIVE SUMMARY

This Navy Training System Plan (NTSP) was developed to identify the life cycle Manpower, Personnel, and Training (MPT) requirements associated with the Joint Standoff Weapon (JSOW) System. The JSOW Baseline Air to Ground Missile (AGM)-154A is in Weapon System Acquisition Process Phase III (Production, Deployment, and Operational Support) while the JSOW/BLU-108 (AGM-154B) and JSOW Unitary (AGM-154C) are in Phase II (Engineering and Manufacturing Development).

The JSOW, a family of low cost air-to-ground weapons, utilizes a Global Position System (GPS) targeting capability and a relatively high-glide-ratio airframe that satisfies the standoff requirements for attacking interdiction targets from outside enemy point defenses during day, night, and adverse weather conditions. The up-front design strategy of the JSOW system called for initial development of a basic vehicle, followed by the low-risk development of evolutionary upgrades to provide improved accuracy, enhanced kill capability, and an expanded target set. There are currently three configurations slated for fleet deployment: JSOW Baseline (AGM-154A) for soft and area targets, JSOW/BLU-108 (AGM-154B) for use against moving land combat vehicle targets, and JSOW Unitary (AGM-154C) for harder point targets and increased kill effectiveness.

Projections of Manpower, Personnel, and Training and the acquisition strategy analysis show that current manning levels are adequate to support the JSOW system and no additional manpower requirements are required.

The JSOW maintenance concept is based on an overall objective to ensure All-Up-Rounds (AUR) are available to fulfill commitments of operational activities and restore unserviceable missiles to serviceable condition with minimal downtime. Maintenance requirements are allocated to the organizational, intermediate, and depot levels of maintenance as defined in the Naval Ordnance Maintenance Management Program, Office of the Chief of Naval Operations Instruction (OPNAVINST) 8600.2 (series).

The JSOW training concept is divided into organizational and intermediate level maintenance based on OPNAVINST 8600.2B. Operator training is provided to aviators at the appropriate Fleet Readiness Squadron. Platform weapons school organizational level training is provided to maintenance personnel at the appropriate Maintenance Training Unit (MTU) and Fleet Replacement Enlisted Skills Training activity. Intermediate level maintenance personnel are trained at the appropriate MTU.

AGM-154 JOINT STANDOFF WEAPON SYSTEM

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LIST OF ACRONYMS

AGM	Air to Ground Missile
AMTCS	Aviation Maintenance Training Continuum System
AO	Aviation Ordnanceman
AOB	Average Onboard
ATA	Automatic Target Acquisition
ATIR	Annual Training Input Requirement
AUR	All-Up-Round
BIT	Built-In Test
CAI	Computer Aided Instruction
CATM	Captive Air Training Missile
CBT	Computer-Based Training
CEST	Classroom Explosive System Trainer
CMBRE	Common Munitions Bit/Reprogramming Equipment
CMI	Computer Managed Instruction
CNO	Chief of Naval Operations
COMNAVAIRLANT	Commander, Naval Air Force, Atlantic Fleet
COMNAVAIRPAC	Commander, Naval Air Force, Pacific Fleet
CV	Aircraft Carrier
CVN	Aircraft Carrier Nuclear
CWTPI	Conventional Weapon Technical Proficiency Inspection
DATM	Dummy Air Training Missile
DT	Development Test
EOD	Explosive Ordnance Disposal
FMS	Foreign Military Sales
FREST	Fleet Readiness Enlisted Skills Training
FRS	Fleet Readiness Squadron
FY	Fiscal Year
GPS	Global Positioning System
ICW	Interactive Courseware
ILSP	Integrated Logistics Support Plan

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LIST OF ACRONYMS

JSOW	Joint Standoff Weapon
LRIP	Low Rate Initial Production
MALS	Marine Aviation Logistics Squadron
MCAS	Marine Corps Air Station
MOS	Military Occupational Specialty
MOTT	Mobile Ordnance Training Team
MPT	Manpower, Personnel, and Training
MTIP	Maintenance Training Improvement Program
MTU	Maintenance Training Unit
NAMTRAGRU DET	Naval Air Maintenance Training Group Detachment
NAS	Naval Air Station
NAVAIRWARCENWPNDIV	Naval Air Warfare Center, Weapons Division
NAVPERSCOM	Navy Personnel Command
NAWMP	Naval Airborne Weapons Maintenance Program
NEC	Navy Enlisted Classification
NTSP	Navy Training System Plan
NATTC	Naval Aviation Technical Training Center
OPEVAL	Operational Evaluation
OPNAV	Office of the Chief of Naval Operations
OPNAVINST	Office of the Chief of Naval Operations Instruction
OT	Operational Test
PEST	Practical Explosive Ordnance Disposal System Trainer
PTT	Part Task Trainer
RFOU	Ready For Operational Use
RFI	Ready For Issue
RFT	Ready For Training
SFTI	Strike Fighter Tactics Instructor
SFWS	Strike Fighter Weapons School
SFWT	Strike Fighter Weapons and Tactics
TD	Training Device

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LIST OF ACRONYMS

TECHEVAL	Technical Evaluation
TTE	Technical Training Equipment
USMC	United States Marine Corps
USN	United States Navy
WSO	Weapons and Sensor Operator
WTT	Weapons Training Team

AGM-154 JOINT STANDOFF WEAPON SYSTEM

PREFACE

This Approved Navy Training System Plan (NTSP) for the Joint Standoff Weapon (JSOW) has been prepared to update the approved Joint Standoff Weapon Navy Training Plan (NTP), number A-50-8906/A, dated March 1996. Update of this document was accomplished by the Naval Air Systems Command as part of the regular NTSP update process within the guidelines set forth in Office of the Chief of Naval Operations Instruction (OPNAVINST) 1500.76. Changes reflected in this document include minor changes, general updating of names, locations, course number, and lengths.

PART I - TECHNICAL PROGRAM DATA

A. NOMENCLATURE-TITLE-PROGRAM

- 1. **Nomenclature-Title-Acronym.** Joint Standoff Weapon (JSOW)
- 2. **Program Element.** 0604727N

B. SECURITY CLASSIFICATION

- 1. **System Characteristics** Confidential
- 2. **Capabilities** Unclassified
- 3. **Functions**..... Secret

C. MANPOWER, PERSONNEL, AND TRAINING PRINCIPALS

- OPNAV Principal Official (OPO) Program Sponsor..... CNO (N880D)
- OPO Resource Sponsor CNO (N880D)
- Developing Agency..... NAVAIRSYSCOM (PMA201)
- Training Agency CINCLANTFLT
CINCPACFLT
COMNAVAIRESFOR
CNET
MCCDC
- Training Support Agency NAVAIRSYSCOM (PMA205)
- Manpower and Personnel Mission Sponsor CNO (N12)
NAVPERSCOM (PERS-4, PERS-404)
- Director of Naval Training..... CNO (N7)
- Commander, Reserve Program Manager COMNAVAIRESFOR
- Marine Corps Combat Development Command
- Manpower Management TFS Division

D. SYSTEM DESCRIPTION

1. Operational Uses. The JSOW is a highly versatile air-to-ground weapon system for use in a variety of operational circumstances. JSOW is designed as a standoff weapon for first pass and maximum kills per sortie in a minimum launch altitude envelope. JSOW is adaptable to aircraft navigational and target acquisition capabilities, with minimal restrictions on aircraft maneuvering. Navy and Marine Corps F/A-18C/D and Navy F/A-18E/F aircraft utilize JSOW. The Air to Ground Missile (AGM)-154A, AGM-154B, and AGM-154C from here on will be referred as JSOW.

As part of the incremental strategy and reflecting the need for an inexpensive, but capable multi-purpose standoff weapon, the Baseline variant of JSOW focuses on the launch and leave mode suitable for use against area targets. The Baseline variant utilizes a submunition payload and minimum essential onboard guidance in conjunction with the Global Positioning System (GPS). Another variant is the BLU-108, which utilizes larger smart submunitions against armor and other ground vehicles. Variants of JSOW will be deployed over time in response to increased threats and improved launch aircraft capabilities.

2. Other Procurement. Foreign Military Sales (FMS) procurement is anticipated after Operational Evaluation (OPEVAL).

E. DEVELOPMENTAL TEST AND OPERATIONAL TEST. AGM-154A Baseline Development Test (DT) began in FY94 and was completed in FY97. Operational Test (OT) began in FY96 and was completed in FY97. The AGM-154B BLU-108 DT began in FY97 and will be completed in FY00 with OT being complete in FY 01. AGM-154C Unitary DT began in fourth quarter FY99 and has a scheduled completion in third quarter FY01. OPEVAL is scheduled to be conducted from second quarter FY01 through second quarter FY02.

F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED. The Navy JSOW is a joint Navy/Air Force effort. The JSOW Baseline is scheduled to replace the Rockeye and Anti-Personnel/Anti-Material programs. The Unitary variants are intended to replace Laser-Guided Bombs, Maverick, Skipper 2, and the Walleye missile systems. These missile systems will not be phased out until the JSOW procurement objective is achieved.

G. DESCRIPTION OF NEW DEVELOPMENT

1. Functional Description. The JSOW design provides a kinematically efficient air vehicle using conventional construction technology. The JSOW Baseline is a glide weapon incorporating GPS for onboard navigation and guidance. The baseline variant provides a launch and leave capability suitable for use against area targets. JSOW/BLU-108 incorporates a sensor fuzed submunition payload, which is an infrared-seeking-explosive-formed-penetrator for use against moving land vehicles. The Unitary variant includes a seeker and unitary warhead to be used against hardened targets.

a. Guidance Section. The guidance section allows an aircraft-to-missile GPS transfer alignment that converts target information into guidance command signals.

b. Warhead. The warhead provides the destructive force for the JSOW missile. The warhead configurations meet operational requirements using submunitions or a unitary warhead as follows:

- AGM-154A with 145 BLU-97/A submunitions for use on soft targets
- AGM-154B with 24 BLU-108 sensor fused submunitions for use on anti-armor targets
- AGM-154C with one BLU-111 for use against hard targets

c. Control Section. The control section operates the fins via electro-mechanical actuators, providing the vehicle with maneuvering capability.

d. Wings. Wings, combined with the airframe, provide the necessary lift, directional, and roll stability. The wings deploy when signaled from the computer processor.

e. Fins. Stationary and moveable fins provide directional force on the airframe in response to signals from the Guidance Control Section. This provides both attitude and direction control of the missile during free-flight to the target.

f. Container. The Navy uses the CNU-575/E double-wall extruded aluminum sidewall All-Up-Round (AUR) container to ship the JSOW. These containers are used to transport JSOW missiles to and from the AUR depot, for storage of Ready For Issue (RFI) AURs, or transport of RFI AURs to the fleet. The CNU-575/E container provides environmental protection to ensure JSOW meets the required 20-year storage life. Damaged containers will be reworked at the McAlester Army Ammunition Plant, McAlester, Oklahoma.

2. Physical Description

Length.... 160.0 inches
Width..... 16.5 inches
Height..... 21.0 inches
Weight.... 1054.0 pounds

3. New Development Introduction. JSOW was introduced into fleet as new production.

4. Significant Interfaces. JSOW provides an electrical software interface between the host aircraft and missile to receive navigation and target acquisition information. JSOW is compatible with the MIL-STD-1553 Data Bus and the MIL-STD-1760C interface.

5. New Features, Configurations, or Material. The Unitary design allows for unlimited growth potential through evolutionary enhancements such as Automatic Target Acquisition (ATA), affordable terminal guidance, and a unitary warhead. Unitary provides increased accuracy allowing increased standoff launch ranges, target discrimination, precision aimpoint selection,

enhanced kill capability, to include movable hard targets. JSOW/BLU-108 incorporates a sensor fused submunition payload consisting of an infrared-seeking-explosive-formed-penetrator for use against moving land vehicles at standoff ranges. These submunitions are dispensed via two subpacks, each containing three BLU-108 submunitions. A total of 24 sensor-fused weapons are released during one JSOW BLU-108 deployment.

H. CONCEPTS

1. Operational Concept. JSOW is designed to be deployed with Navy and Marine Corps tactical aircraft squadrons. JSOW is intended for use by F/A-18C/D/E/F aircraft. JSOW is used during air-to-ground combat evolutions. The missile is launched from an aircraft at enemy ground targets, guided by internal GPS guidance.

2. Maintenance Concept. The JSOW maintenance concept is based on an over-all objective to assure AUR are available to fulfill commitments of operational activities and provide the means to restore unserviceable missiles to serviceable condition with minimal downtime. Maintenance requirements are allocated to three levels of maintenance as defined in the Naval Airborne Weapons Maintenance Program (NAWMP), OPNAVINST 8000 (series).

a. Organizational. Organizational level maintenance consists of functions normally performed by an operating unit on a daily basis. Organizational level maintenance is accomplished by weapons personnel assigned to the maintenance department to support the missions and tasks of the activity. Organizational level maintenance may be accomplished at the next higher level. Missiles requiring maintenance beyond the organizational level are returned to the intermediate level for maintenance or disposition. Organizational level maintenance of the JSOW missiles is limited to the following:

- Removal and installation of protective devices
- Load and download
- Perform on- aircraft Built-In Test (BIT)
- Perform missile pre-flight and postflight inspection

b. Intermediate. Intermediate level maintenance is the responsibility of and is performed by designated maintenance activities that support user organizations. The intermediate level maintenance mission is to enhance and sustain combat readiness and mission capability by providing quality and timely material support to supported activities. The purpose of intermediate level maintenance is to ensure airborne weapons maintenance functions are performed at the level that ensures optimum economic use of resources. Tactical missiles requiring Beyond the Capability of Maintenance (BCM) at the intermediate level are returned to the Depot level maintenance activity ashore for repair or disposition. JSOW maintenance is performed by Weapons Department Navy Aviation Ordnanceman (AO) with Navy Enlisted Classification (NEC) 6801 and Marines with Military Occupational Specialty (MOS) 6541. AIMD Work Center 710 Navy AOs with NECs 6802 and 6803 and Marines with MOS 6541 functionally test the launchers. Intermediate level maintenance of the JSOW consists of the following:

- Inspect and stow AUR and containers

- Clean missile
- Perform touch-up paint and minor corrosion control
- Remove from and replace AUR in container
- Inspect container, remove, and replace desiccant
- Perform off-aircraft BIT
- Reprogram JSOW resident software with Common Munitions BIT/Reprogramming Equipment (CMBRE)

c. Depot. The primary mission of depot level activities is to support warranty repair. The prime contractor will perform AUR depot maintenance. Maintenance actions performed by depot activities consist of the following:

- Inspect and stow AUR and container
- Remove from and install AUR into the container
- Inspect and test missile guidance and control groups
- Remove and replace external and select internal components only
- Inspect, repair, and rework payload and certain components of the safe and arm device
- Inspect, repair, rework, modify, and replace wings and fins
- Repair and clean containers, replace minor container components, and perform major repairs on containers
- Corrosion control, paint re-stencils all sections listed above
- Inspect, test, repair, rework, and modify the guidance and control section to assembly, subassembly, or component level. Reassemble and perform final test
- Perform final system test and program JSOW resident software

d. Interim Maintenance. The JSOW project office, located at Naval Air Warfare Center, Weapons Division (NAVAIRWARCENWPNDIV), China Lake, California, provides JSOW technical assistance to organizational and intermediate activities. They provide On-the-Job Training for organizational and intermediate maintenance personnel and operational updates and briefings for flight crews.

3. Manning Concept. The introduction of JSOW into the Navy inventory will not change current manpower requirements at organizational, intermediate, or depot level activities. Aircrew manpower is driven by seat factor and crew ratio. Enlisted manning for fleet squadrons, Fleet Readiness Squadrons (FRS), and intermediate level maintenance activities is based on the total assigned workload, not only on specific JSOW requirements. Skills required to support the JSOW are considered to be within the capability of existing NECs.

4. Training Concept. Training was provided to future JSOW operator, maintenance, and Explosive Ordnance Disposal (EOD) personnel. This training was developed in the following manner: Raytheon Systems Company developed Technical Evaluation (TECHEVAL) courseware and conducted training classes for maintenance and EOD personnel prior to TECHEVAL. Following TECHEVAL, the JSOW Weapons Training Team (WTT) updated these training materials and conducted training for OPEVAL participants. After OPEVAL, the WTT updated

the training materials as required and conducted initial instructor cadre training prior to beginning follow-on training. For operator (aircrew) training, the Naval Command, Control, and Ocean Surveillance Center, RDT&E Division, San Diego, developed TECHEVAL courseware curricula. The JSOW project pilot conducted the TECHEVAL training. The Interactive Courseware and operator course curriculum was updated for the OPEVAL training, which was taught by the JSOW Project Pilot, who again provided initial instructor training prior to the beginning of follow-on training. Follow-on JSOW variants will necessitate training courseware modifications, which will be handled by the WTT with assistance from Raytheon Systems Company, as required. Naval Air Maintenance Training Group Detachments (NAMTRAGRU DETs) will conduct follow-on training courses, with assistance from the WTT and Raytheon Systems Company, as required for updates.

The established training concept for most aviation maintenance training divides “A” School courses into two or more segments called Core and Strand. The “C” School courses are also divided into separate Initial and Career training courses. “A” School Core courses include general knowledge and skills training for the particular rating, while “A” School Strand courses focus on the more specialized training requirements for that rating and a specific aircraft or equipment, based on the student’s fleet activity destination. Strand training immediately follows Core training and is part of the “A” School. Upon completion of Core and Strand “A” School, graduates attend the appropriate Initial “C” School for additional specific training. Initial “C” School training is intended for students with a paygrade of E-4 and below. Career “C” School training is provided for E-5 and above personnel to enhance skills and knowledge within their field.

Selected Reserve (SELRES) training is conducted by the Naval Air Reserve at each squadron site per current Commander, Naval Air Reserve Force (COMNAVAIRESFOR) instructions. The training is segmented and tailored for use by SELRES personnel during weekend drill periods and two-week active duty periods. If SELRES personnel and training quotas are available, COMNAVAIRESFOR must coordinate with appropriate quota controls to get training quotas at the FRSSs.

a. Initial Training. WTT instructor personnel provided initial cadre training (Operator and Maintenance) to Navy and Marine Corps instructors in November 1998.

(1) Technical Evaluation Training. TECHEVAL training was conducted in December 1995. Aircrew involved in TECHEVAL received training at China Lake on operational characteristics of JSOW from the JSOW Project Pilot. Course length was approximately nine hours. Maintenance personnel involved with TECHEVAL and designated WTT members received organizational and intermediate level training at China Lake from Raytheon Systems Company instructors. Course length was two days. EOD personnel participating in TECHEVAL received render safe procedures training at Indian Head, Maryland, from Raytheon Systems Company instructors. Course length was two days. Following TECHEVAL, EOD training courseware was modified to incorporate JSOW specific procedures.

(2) Operational Evaluation Training. OPEVAL training was conducted in January 1997. VX-9 Aircrew involved in OPEVAL and other selected personnel received training at China Lake on the operational characteristics of the JSOW from the JSOW Project

Pilot. Course length was nine hours. Maintenance personnel involved with OPEVAL received organizational and intermediate level training at NAVAIRWARCENWPNDIV, China Lake from WTT instructors.

b. Follow-On Training. WTT instructors provided follow-on training to fleet schools in November 1998. JSOW training information was incorporated into existing operator and maintenance courses. NAMTRAGRU DETs conduct follow-on training in the schoolhouses, with assistance for the updates from the WTT and Raytheon Systems Company, as required.

(1) Operator. Aircrew personnel receive JSOW training with applicable aircraft training conducted at the FRS. The following F/A-18 aircrew courses have been modified to include JSOW. All courses are currently on-line with AGM-154 information.

COURSE NUMBER	COURSE TITLE
D/E-2A-0601	F/A-18 Fleet Replacement Pilot Cat 1
D/E-2A-0602	F/A-18 Fleet Replacement Pilot (Attack) Cat 2A
D/E-2A-0604	F/A-18 Fleet Replacement Pilot Cat 3A
D/E-2A-0606	F/A-18 Fleet Replacement Pilot Cat 4
None (USMC)	F/A-18D Fleet Replacement Pilot Category 1
None (USMC)	F/A-18D Fleet Replacement Pilot Category 2
None (USMC)	F/A-18D Fleet Replacement Pilot Category 3
None (USMC)	F/A-18D Fleet Replacement Pilot Category 4
None (USMC)	F/A-18D Weapons and Sensor Operator (WSO) Category 1
None (USMC)	F/A-18D Weapons and Sensor Operator (WSO) Category 2
None (USMC)	F/A-18D Weapons and Sensor Operator (WSO) Category 3
None (USMC)	F/A-18D Weapons and Sensor Operator (WSO) Category 4

Note: The aircrew training course modification involves an introductory familiarization with the JSOW weapon. Detailed employment training occurs as individual squadrons cycle through the Strike Fighter Weapon Schools (SFWS) or execute their own internal training program.

Post-FRS training is conducted by the Navy SFWS. The Training Devices (TDs) required for follow-on and proficiency operator training include the Part Task Trainer (PTT). The PTT is a computer-based system developed by NAVAIRWARCENWPNDIV, China Lake for use by F/A-18 aviators. It provides missile and operational procedures familiarization as well as proficiency training. The PTT is fielded to the F/A-18 FRSs, weapons schools, and active duty Navy and Marine Corps F/A-18 squadrons. It is compatible with Windows 95/98 and NT.

(2) Maintenance

(a) Organizational. Training course content has been updated to include JSOW information, and will not affect course lengths. JSOW is taught in the following organizational level maintenance training courses. All courses are currently on-line with AGM-154 information.

COURSE NUMBER	COURSE TITLE
D/E-646-0640	F/A-18 Conventional Weapons Release and Loading
D/E-646-0647	F/A-18 Conventional Weapons Release Systems Test

(b) Intermediate. Existing courses have been updated to include JSOW data and will not affect the intermediate level maintenance course lengths. Intermediate maintenance training is available for Navy and Marine Corps Aviation Ordnance personnel through the appropriate Maintenance Training Unit (MTU) or Fleet Replacement Enlisted Skills Training (FREST). The Fleet Aviation Specialized Training Group (FASO), Atlantic is organized with a Mobile Ordnance Training Team (MOTT) that provides hands-on training for Atlantic Fleet Navy organizational level squadrons and intermediate level Aircraft Carrier (CV) and Aircraft Carrier Nuclear (CVN) ships and shore activities in conventional weapons handling safety and stowage. Pacific Fleet MOTT is provided by Commander, Naval Air Force, Pacific Fleet (COMNAVAIRPAC) N85. Requests for MOTT training should be submitted to COMNAVAIRPAC (N85) for Pacific Fleet activities, and to Commander, Naval Air Force, Atlantic Fleet (COMNAVAIRLANT) N85 for Atlantic Fleet activities. The TD required for intermediate maintenance training is the Dummy Air Training Missile (DATM).

Title **Air Launched Guided Missiles Intermediate Maintenance**

CIN C-122-3111 (part of D/E-646-7007)

Model Manager ... MTU 4030, NAMTRAGRU DET, Norfolk, Virginia

Description Provide ordnance personnel with knowledge of the Sparrow, Sidewinder, Phoenix, Sidearm, Maverick, Harpoon, SLAM, Walleye, and Air Nitrogen Purifier Units.

Locations MTU 4030, NAMTRAGRU DET, Mayport, Florida
 MTU 4032, NAMTRAGRU DET, Norfolk, Virginia
 MTU 4033, NAMTRAGRU DET, North Island, California
 MTU 4035, NAMTRAGRU DET, Whidbey Island, Washington

Length 10 days

RFT date Currently available

Skill identifier AO 6801

TTE/TD	See element IV.A.1 for Technical Training Equipment (TTE). TD is DATM-154
Prerequisites	C-646-2011, Aviation Ordnanceman Common Core Class A1 C-646-2012, Aviation Ordnanceman Airwing Strand A1
Title	Aviation Ordnance Intermediate Maintenance Technician
CIN	C-646-3105 (part of M-646-7026)
Model Manager ...	MTU 4034 VMAT-203 FREST, Marine Corps Air Station (MCAS) Cherry Point, North Carolina
Description	Provides ordnance personnel with knowledge required by USMC personnel working on ordnance/armament in the AIMD environment.
Locations	MTU 4034 VMAT-203 FREST, MCAS Cherry Point
Length	79 days
RFT date	Currently available
Skill identifier	MOS 6541 award upon completion of track D/E-646-7026
TTE/TD	See element IV.A.1. for TTE. TD is the DATM-154
Prerequisites	C-646-2011, Aviation Ordnanceman Common Core Class A1 C-646-2012, Aviation Ordnanceman Airwing Strand Class A1

(c) Explosive Ordnance Disposal Training. Explosive Ordnance Disposal Training is conducted at Naval Explosive Ordnance Disposal School, Eglin Air Force Base (AFB), Florida. The TDs required for EOD training are the Practical Explosive Ordnance Disposal System Trainer (PEST) .

- **Practical Explosive Ordnance Disposal System Trainer.** The PEST is a full-scale model fabricated from actual hardware, having approximately the same weight and center of gravity as the tactical missile. The PEST is used for teaching render safe procedures.

The following table lists the applicable EOD training courses. The JSOW source material was incorporated in these courses with minimal impact. There were no changes in student throughput or chargeable student billets

COURSE NUMBER	COURSE TITLE	RFT DATE FOR AGM-154
A-431-0011	Explosive Ordnance Disposal Phase II (Navy)	April 99
A-431-0012	Explosive Ordnance Disposal Phase II	April 99
G-431-0001	EOD Pre-Deployment Training	April 99

c. Student Profiles. The following prerequisite skill and knowledge requirements must be completed prior to attending NEC 6801 and MOS 6541 training.

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
AO 6801	C-646-2011, Aviation Ordnance Common Core Class A1 and C-646-2012, Aviation Ordnance Airwing Strand Class A1 or C-646-2013, Aviation Ordnance Weapons Department Strand Class A1
MOS 6541	C-646-2011, Aviation Ordnance Common Core Class A1 and C-646-2012, Aviation Ordnance Airwing Strand Class A1 or C-646-2013, Aviation Ordnance Weapons Department Strand Class A1

d. Training Pipelines. The following training tracks apply and are available in the Office of the Chief of Naval Operations (OPNAV) Aviation Training Management System (OATMS):

TRACK NUMBER	TRACK TITLE
D/E-646-7007	General Shipboard/ Naval Air Station (NAS) Weapons Department Aviation Ordnance Maintenance
M-646-7026	Aviation Ordnance Technician Intermediate Maintenance

I. ON-BOARD (INSERVICE) TRAINING

1. Proficiency or Other Training Organic to the New Development

a. Maintenance Training Improvement Program. The Maintenance Training Improvement Program (MTIP) is used to establish an effective and efficient training system

responsive to fleet training requirements. MTIP is a training management tool that, through diagnostic testing, identifies individual training deficiencies at the organizational and intermediate levels of maintenance. MTIP is the comprehensive testing of one's knowledge. It consists of a bank of test questions managed through automated data processing. The Deputy Chief of Staff for Training assisted in development of MTIP by providing those question banks (software) already developed by the Navy. MTIP was implemented per OPNAVINST 4790.2 series. MTIP allows increased effectiveness in the application of training resources through identification of skills and knowledge deficiencies at the activity, work center, or individual technician level. Refresher training is concentrated where needed to improve identified skill and knowledge shortfalls. MTIP will be replaced by the Aviation Maintenance Training Continuum System (AMTCS). Current planning is for AMTCS to begin full implementation for fleet deployment on 01 October 2000.

COMNAVAIRPAC has discontinued using MTIP. They are currently using maintenance data products as a source to determine maintenance training deficiencies until AMTCS is implemented.

b. Aviation Maintenance Training Continuum System. AMTCS will provide career path training to the Sailor or Marine from their initial service entry to the end of their military career. AMTCS is planned to be an integrated system that will satisfy the training and administrative requirements of both the individual and the organization. The benefits will be manifested in the increased effectiveness of the technicians and the increased efficiencies of the management of the training business process. By capitalizing on technological advances and integrating systems and processes where appropriate, the right amount of training can be provided at the right time, thus meeting the Chief of Naval Operations (CNO) mandated "just-in-time" training approach.

Technology investments enable the development of several state-of-the-art training and administrative tools: Computer-Based Training (CBT) for the technicians in the Fleet in the form of Interactive Courseware (ICW) with Computer Managed Instruction (CMI) and Computer Aided Instruction (CAI) for the schoolhouse.

Included in the AMTCS development effort is the Aviation Maintenance Training Continuum System - Software Module (ASM) which provides testing [Test and Evaluation (TEV)], recording [Electronic Training Jacket (ETJ)], and a Feedback system. The core functionality of these AMTCS tools are based and designed around the actual maintenance-related tasks the technicians perform, and the tasks are stored and maintained in a Master Task List (MTL) data bank. These tools are procured and fielded with appropriate COTS hardware and software, i.e. Fleet Training Devices (FTD) - Laptops, PCs, Electronic Classrooms (ECR), Learning Resource Centers (LRC), operating software, and network software and hardware.

Upon receipt of direction from OPNAV (N889H), AMTCS is to be implemented and the new tools integrated into the daily training environment of all participating aviation activities and supporting elements. AMTCS will serve as the standard training system for aviation maintenance training within the Navy and Marine Corps, and is planned to supersede the existing MTIP and Maintenance Training Management and Evaluation Program (MATMEP) programs.

c. Strike Fighter Training Program. Naval Strike Air Warfare Center (NSAWC) N7 (Topgun), Strike Fighter Weapons School (SFWS) Atlantic, and SFWS Pacific are developing post-FRS training at the squadron level for Navy Strike Fighter aircraft (F/A-18). This post-FRS training continuum is known as the SFTP and is composed of three equally critical elements: the Strike Fighter Weapons and Tactics (SFWT) curricula, the Strike Fighter Tactics Instructor (SFTI), and the SFTS. The SFWT curricula will be taught by each squadron's SFTI, who will be supported by the SFTS, a multimedia Computer-Based Training system that will host CMI, CAI, CBT and ICW. Aircrew weapons proficiency training will continue to be accomplished using existing methods: Academic, Simulator (e.g., Weapons Tactics Trainer/Weapons System Trainer), Captive Air Training Missile (CATM) and/or embedded aircraft simulation, and live missile shots supported by the Non-Combat Expenditure Allowance. However, capability ratings will be based on performance rather than completion, i.e., it will not be based simply upon completing the training events, but upon how well they are completed. Training events will be measured using defined metrics, and collectively these events will be evaluated to determine actual combat readiness, quantitatively (objectively) rather than qualitatively (subjectively).

2. Personnel Qualification Standards. NA

3. Other Onboard or In-Service Training Packages. Squadron loading teams will maintain their proficiency by participating in frequent upload and download training exercises.

a. Conventional Weapon Technical Proficiency Inspection. The Conventional Weapon Technical Proficiency Inspection (CWTPI) is a graded inspection administered by SFWS for the F/A-18 aircraft. The CWTPI covers all areas of conventional weapon load and release, and control systems checks. The inspection evaluates the squadron's ability to wire-check, upload and download conventional ordnance, use applicable publications, and place ordnance on its designated target. The squadron inspection is conducted annually, six months prior to deployment, or at the request of the squadron's Commanding Officer. A written examination is required by all personnel, including squadron aviators, directly involved in the inspection. A 72-hour time limit is granted for the completion of the entire evolution. The final grade is an average score derived from the written exams, ordnance loads, wire checks, and the aviator's proficiency to deliver weapons on target. Pre-inspection training is provided by the appropriate SFWS followed by the CWTPI. The CWTPI determines the need for further conventional weapons load training of squadron AO and Aviation Electronics Technician personnel at the appropriate school.

b. Marine Corps Onboard Training. The Marine Corps onboard training is based on the current series of Marine Corps Order (MCO) P4790.12, Individual Training Standards System and Marine Aviation Training Management Evaluation Program (MATMEP). This program is designed to meet Marine Corps, as well as Navy OPNAVINST 4790.2 (Series), maintenance training requirements. It is a performance-based, standardized, level-progressive, documentable, training management and evaluation program. It identifies and prioritizes task inventories by MOS through a front-end analysis process that identifies task, skill, and knowledge requirements of each MOS. MTIP questions coupled to MATMEP tasks will help identify training deficiencies that can be addressed with remedial training.

USMC activities are scheduled yearly for Marine Corps Combat Readiness

Evaluation by Headquarters, Marine Corps. Marine Corps activities participate in war exercises and are evaluated. Training is an ongoing Marine Corps evolution that culminates with the Combat Readiness Evaluation. The evaluation determines the need for further conventional weapons load training of squadron personnel.

c. United States Navy Explosive Safety Policies, Requirements, and Procedures. The United States Navy Explosive Safety Policies, Requirements, and Procedures (Department of the Navy Explosives Safety Policy Manual) OPNAVINST 8023.2 (Series), promulgates the Explosives Handling Personnel Qualification and Certification program. The Qualification and Certification program is designed to ensure that all Navy, Marine Corps, and civilians required to handle explosives or explosive devices are fully trained and qualified to perform all functions and task safety.

J. LOGISTICS SUPPORT

1. Manufacturer and Contract Numbers

CONTRACT NUMBER	MANUFACTURER	ADDRESS
N00019-91-C-0196	Raytheon Systems Company	P.O. Box 11337 Tucson, AZ 85743-1337

2. Program Documentation. The Naval Air Systems Command published and distributed Integrated Logistics Support Plan (ILSP) Number MSL-002, Revision F, dated November 1995.

3. Technical Data Plan. Navy technical manual requirements have been developed per the Technical Manual Contract Requirements (TMCR) 79-92 document. These manuals are shown below:

TITLE	MANUAL NUMBER	DATE	USER LEVEL
Airborne Weapons Stores Manual	A1-F18AE-LWS-000	Interim Change Mar 97	Organizational
Conventional Weapons Loading Checklist	A1-F18AE-LWS-610	Apr 97	Organizational
Support Equipment Configuration Manual	NAVAIR 11-140-25	Interim Change Mar 97	Organizational / Intermediate

TITLE	MANUAL NUMBER	DATE	USER LEVEL
Airborne Weapons Assembly Manual for Air Launched Missiles	NAVAIR-140-6.1, Change 3 NAVAIR-140-6.2, Change 4 NAVAIR-140-6.3, Change 3	Sept 98 Sept 98 Sept 98	Intermediate Intermediate Intermediate
Airborne Weapons Assembly Manual Checklist for AGM-154	NAVAIR-140-6.2-14	Jan 98	Intermediate
Ship Weapons Installation Manual	NAVAIR-11-120-79	Feb 97	Intermediate
Naval Airborne Weapons Maintenance Programs	OPNAV 8600.2B Interim change (Msg. 100029Z)	Jul 97	Organizational / Intermediate

4. Test Sets, Tools, and Test Equipment.

a. Organizational Level Maintenance

- ADU-775/E, Transport adapter
- ADU-783/E, Trolley adapter

b. Intermediate (Fleet) Level Maintenance

- ADU-775/E, Transport Adapter
- CMBRE (AN/GYQ-79 Digital Computer Set)

Note: JSOW support and test equipment allowances are established in local Individual Maintenance Requirements List under List Code WE1540

c. Depot Level Maintenance. Raytheon Systems Company provides depot level support.

5. Repair Parts. A repair parts list is located in the NA-140-6 manual.

6. Human Systems Integration (HSI). NA

K. SCHEDULES

1. Schedule of Events. The schedule of events is as follows:

a. Installation/Delivery Schedule. Low Rate Initial Production I (LRIP) 1 and 2 were completed in September 1999 with Full Rate Production beginning in March 2000.

b. Ready for Operational Use Schedule. To ensure all activities are Ready for Operational Use (RFOU) with JSOW, all training activities have received initial training and provided training to fleet activities deploying with the JSOW

c. Time Required to Install at Operational Sites. NA

d. Foreign Military Sales and Other Source Delivery Schedule. FMS procurement is anticipated after OPEVAL.

e. Training Device and Technical Training Equipment Delivery Schedule.
The DATM-154/A is the same external configuration weight and center of gravity as the tactical missile, but not functional. The DATM will be used for training canning, de-canning, and loading-downloading procedures. The following is the delivery schedule for the DATM-154/A.

JSOW DATM DELIVERY SCHEDULE			
LOCATION	FY98	FY99	FY00
Atlantic Fleet Aircraft Carriers		4	2
Carrier Air Wing - Oceana			1
SFWS, Oceana	1		
NAS Lemoore			2
NAS Oceana			1
MTU 4034, Cherry Point		1	
MTU 4030, Mayport	1		
MTU 4032, Norfolk	1		
VMAT-203, MCAS Cherry Point			1
Marine Aviation Logistics Squadron (MALS)-31, MCAS Beaufort		1	
NAS Sigonella, Italy			1
NAVAIRESFOR, NAS Atlanta			1
NAVAIRESFOR, New Orleans			1
Pacific Fleet Aircraft Carriers		5	1
NAS El Centro		1	
NAVAIRWARCENWPNDIV Point Mugu			1
MTU 4033, North Island	1		
MALS-11, MCAS Miramar		1	
SFWS, Lemoore	1		

JSOW DATM DELIVERY SCHEDULE			
LOCATION	FY98	FY99	FY00
NAS Atsugi, Japan		1	
NAS Fallon		1	
MTU 4035, Whidbey Island			1
MALS-12, Iwakuni, Japan			1
TOTAL DATMs	5	20	34

L. GOVERNMENT FURNISHED EQUIPMENT AND CONTRACTOR FURNISHED EQUIPMENT TRAINING REQUIREMENTS. NA

M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS

DOCUMENT TITLE	DOCUMENT NUMBER	PDA CODE	STATUS
F/A-18 Weapon System	A-50-7703F/A	PMA265	Approved Jan 95
Integrated Logistic Support Plan Revision F	MSL-002	AIR-3.1.1K	Approved Dec 95
User's Logistics Support Summary (ULSS)	MSL-002A1	AIR-3.1.1K	Approved Nov 96

PART II – BILLETS AND PERSONNEL REQUIREMENTS

The following elements are not affected by the AGM-154 JSOW and, therefore, are not included in Part II of this NTSP:

II.A. Billet Requirements

II.A.2.a. Operational and Fleet Support Activity Deactivation Schedule

II.A.2.b. Billets to be Deleted in Operational and Fleet Support Activities

II.A.2.c. Total Billets to be Deleted in operational and Fleet Support Activities

Note: Part II of this AGM-154 JSOW NTSP is presented by NEC and MOS for ease of understanding. It was developed to establish the total intermediate level maintenance manpower and training requirements for the aviation ordnance community. The requirement is to train ordnance personnel in the USN and USMC to receive an NEC or MOS to fill a billet, not to support a single system. The following sections are a compilation of one intermediate level NEC and one intermediate level MOS with associated billets. The addition of the AGM-154 JSOW to the intermediate level workload is only a small percentage of the required workload for that MOS or NEC. The NEC or MOS is not unique to the AGM-154 JSOW and, therefore, the total training requirements will remain the same.

PART II - BILLET AND PERSONNEL REQUIREMENTS

II.A. BILLET REQUIREMENTS

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

SOURCE: USN: Total Force Manpower Management System **DATE:** 4/19/99
 USMC: Extract from Table of Manpower Requirements, TFS, MCCDC **DATE:** 4/1/99

ACTIVITY, UIC		PFYs	CFY00	FY01	FY02	FY03	FY04
OPERATIONAL ACTIVITIES - NAVY							
VFA-106, NAS Oceana	09679	1	0	0	0	0	0
VAQ-129, NAS Whidbey	09995	1	0	0	0	0	0
VFA-125, NAS Lemoore	09485	1	0	0	0	0	0
TOTAL:		3	0	0	0	0	0
OPERATIONAL ACTIVITIES - USMC							
HMH-461, MCAS New River	09582	1	0	0	0	0	0
HMH-464, MCAS New River	53935	1	0	0	0	0	0
HMH-772, JRB Willow Grove	09490	1	0	0	0	0	0
HMLA-167, MCAS New River	09898	1	0	0	0	0	0
HMLA-269, MCAS New River	08998	1	0	0	0	0	0
HMLA-773, NAS Atlanta	09431	1	0	0	0	0	0
HMLA-775 DET A, NAS New Orleans	09415	1	0	0	0	0	0
HMLA-775, MCAS Camp Pendleton	55252	1	0	0	0	0	0
HMM-162, MCAS New River	09492	1	0	0	0	0	0
HMM-261, MCAS New River	09441	1	0	0	0	0	0
HMM-263, MCAS New River	09445	1	0	0	0	0	0
HMM-264, MCAS New River	09374	1	0	0	0	0	0
HMM-266, MCAS New River	53972	1	0	0	0	0	0
HMM-365, MCAS New River	53923	1	0	0	0	0	0
HMM-774, NS Norfolk	09430	1	0	0	0	0	0
HMT-303, MCAS Camp Pendleton	55176	1	0	0	0	0	0
MALS Augment, MCAS Beaufort	67863	1	0	0	0	0	0
MAWTS-1, MCAS Yuma	55167	1	0	0	0	0	0
VMA-223, MCAS Cherry Point	09438	1	0	0	0	0	0
VMA-231, MCAS Cherry Point	52948	1	0	0	0	0	0
VMA-542, MCAS Cherry Point	52847	1	0	0	0	0	0
VMAQ-1, MCAS Cherry Point	41345	1	0	0	0	0	0
VMAQ-2, MCAS Cherry Point	42362	1	0	0	0	0	0
VMAQ-3, MCAS Cherry Point	42363	1	0	0	0	0	0
VMAQ-4, MCAS Cherry Point	67837	1	0	0	0	0	0
VMAT-203, MCAS Cherry Point	45483	1	0	0	0	0	0
VMFA(AW)-224, MCAS Beaufort	09439	1	0	0	0	0	0
VMFA(AW)-332, MCAS Beaufort	09501	1	0	0	0	0	0
VMFA(AW)-553, MCAS Beaufort	09193	1	0	0	0	0	0
VMFA-115, MCAS Beaufort	09234	1	0	0	0	0	0
VMFA-122, MCAS Beaufort	09407	1	0	0	0	0	0
VMFA-142, NAS Jacksonville	08966	1	0	0	0	0	0
VMFA-251, MCAS Beaufort	09241	1	0	0	0	0	0

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

SOURCE: USN: Total Force Manpower Management System
 USMC: Extract from Table of Manpower Requirements, TFS, MCCDC

DATE: 4/19/99
DATE: 4/1/99

ACTIVITY, UIC		PFYs	CFY00	FY01	FY02	FY03	FY04
VMFA-312, MCAS Beaufort	09253	1	0	0	0	0	0
VMFA-321, Andrews AFB	09265	1	0	0	0	0	0
HMH-361, MCAS Miramar	09446	1	0	0	0	0	0
HMH-362, MCB Hawaii	09495	1	0	0	0	0	0
HMH-363, MCB Hawaii	09496	1	0	0	0	0	0
HMH-366, MCB Hawaii	55650	1	0	0	0	0	0
HMH-462, MCAS Miramar	09349	1	0	0	0	0	0
HMH-463, MCB Hawaii	09010	1	0	0	0	0	0
HMH-465, MCAS Miramar	53936	1	0	0	0	0	0
HMH-466, MCAS Miramar	53998	1	0	0	0	0	0
HMH-769, Edwards AFB	09487	1	0	0	0	0	0
HMLA-169, MCAS Camp Pendleton	09202	1	0	0	0	0	0
HMLA-267, MCAS Camp Pendleton	09159	1	0	0	0	0	0
HMLA-367, MCAS Camp Pendleton	09079	1	0	0	0	0	0
HMLA-369, MCAS Camp Pendleton	09361	1	0	0	0	0	0
HMM-161, MCAS Miramar	09440	1	0	0	0	0	0
HMM-163, MCAS Miramar	09405	1	0	0	0	0	0
HMM-164, MCAS Miramar	09408	1	0	0	0	0	0
HMM-165, MCAS Miramar	09343	1	0	0	0	0	0
HMM-166, MCAS Miramar	53973	1	0	0	0	0	0
HMM-262, MCAS Okinawa	09442	1	0	0	0	0	0
HMM-265, MCAS Okinawa	09404	1	0	0	0	0	0
HMM-268, MCAS Camp Pendleton	52790	1	0	0	0	0	0
HMM-364, MCAS Camp Pendleton	09793	1	0	0	0	0	0
HMM-764, Edwards AFB	09402	1	0	0	0	0	0
MALS Augment, MCAS Miramar	09111	1	0	0	0	0	0
MALS Augment, MCAS Miramar	09116	1	0	0	0	0	0
VMA-211, MCAS Yuma	09412	1	0	0	0	0	0
VMA-214, MCAS Yuma	09436	1	0	0	0	0	0
VMA-311, MCAS Yuma	09416	1	0	0	0	0	0
VMA-513, MCAS Yuma	09231	1	0	0	0	0	0
VMFA(AW)-121, MCAS Miramar	09257	1	0	0	0	0	0
VMFA(AW)-225, MCAS Miramar	09232	1	0	0	0	0	0
VMFA(AW)-242, MCAS Miramar	09668	1	0	0	0	0	0
VMFA-112, JRB Fort Worth	08954	1	0	0	0	0	0
VMFA-134, MCAS Miramar	09365	1	0	0	0	0	0
VMFA-212, MCAS Iwakuni	09434	1	0	0	0	0	0
VMFA-232, MCAS Miramar	09242	1	0	0	0	0	0
VMFA-314, MCAS Miramar	09230	1	0	0	0	0	0
VMFA-323, MCAS Miramar	09235	1	0	0	0	0	0
VMFAT-101, MCAS Miramar	09965	1	0	0	0	0	0
TOTAL:		74	0	0	0	0	0
FLEET SUPPORT ACTIVITIES - NAVY							
AFLOATRAGRU Norfolk CSTG	49085	1	0	0	0	0	0
COMNAVAIRLANT	57012	1	0	0	0	0	0

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

SOURCE: USN: Total Force Manpower Management System
 USMC: Extract from Table of Manpower Requirements, TFS, MCCDC

DATE: 4/19/99
DATE: 4/1/99

ACTIVITY, UIC		PFYs	CFY00	FY01	FY02	FY03	FY04
COMSTKFITWINGLANT Det, MCAS Beaufort	3006A	1	0	0	0	0	0
CV 67 USS John F. Kennedy	03367	1	0	0	0	0	0
CVN 65 USS Enterprise	03365	1	0	0	0	0	0
CVN 69 USS Dwight D. Eisenhower	03369	1	0	0	0	0	0
CVN 71 USS Theodore Roosevelt	21247	1	0	0	0	0	0
CVN 73 USS George Washington	21412	1	0	0	0	0	0
CVN 75 USS Harry S. Truman	21853	1	0	0	0	0	0
FASOTRAGRULANT	09810	1	0	0	0	0	0
LHA 2 USS Saipan	20632	1	0	0	0	0	0
LHA 4 USS Nassau	20725	1	0	0	0	0	0
LHD 1 USS Wasp	21560	1	0	0	0	0	0
LHD 3 USS Kearsarge	21700	1	0	0	0	0	0
LHD 5 USS Bataan	21879	1	0	0	0	0	0
MCS 12 USS Inchon	20009	1	0	0	0	0	0
NAF Mildenhall	57032	1	0	0	0	0	0
NAS Brunswick	60087	1	0	0	0	0	0
NAS Cecil Field	60200	1	0	0	0	0	0
NAS Keflavik	63032	1	0	0	0	0	0
NAS Oceana	60191	1	0	0	0	0	0
NATMSACT Kingsville	49149	1	0	0	0	0	0
NAVAIRWP-MAINTUN	52821	1	0	0	0	0	0
NAVSTKAIR TESTRON	39783	1	0	0	0	0	0
Ordnance Det Oceana	31279	1	0	0	0	0	0
SURFLANT AVORD/MTT Norfolk	48764	1	0	0	0	0	0
COMFLTACT Okinawa	62254	1	0	0	0	0	0
CV 63 USS Kitty Hawk	03363	1	0	0	0	0	0
CV 64 USS Constellation	03364	1	0	0	0	0	0
CVN 68 USS Nimitz	03368	1	0	0	0	0	0
CVN 70 USS Carl Vinson	20993	1	0	0	0	0	0
CVN 72 USS Abraham Lincoln	21297	1	0	0	0	0	0
CVN 74 USS John C. Stennis	21847	1	0	0	0	0	0
LHA 1 USS Tarawa	20550	1	0	0	0	0	0
LHA 3 USS Belleau Wood	20633	1	0	0	0	0	0
LHA 5 USS Peleliu	20748	1	0	0	0	0	0
LHD 2 USS Essex	21533	1	0	0	0	0	0
LHD 4 USS Boxer	21808	1	0	0	0	0	0
LHD 6 USS Bonhomme Richard	22202	1	0	0	0	0	0
LHD 7 USS Iwo Jima	23027	0	0	0	0	1	0
NAF El Centro	60042	1	0	0	0	0	0
NAS Lemoore	63042	1	0	0	0	0	0
NAS Point Mugu	0429A	1	0	0	0	0	0
NAWCWD Point Mugu	63126	1	0	0	0	0	0
TOTAL:		43	0	0	0	1	0
FLEET SUPPORT ACTIVITIES - USMC							
2nd MAW, MCAS Cherry Point	57080	1	0	0	0	0	0

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

SOURCE: USN: Total Force Manpower Management System
 USMC: Extract from Table of Manpower Requirements, TFS, MCCDC

DATE: 4/19/99
DATE: 4/1/99

ACTIVITY, UIC	PFYs	CFY00	FY01	FY02	FY03	FY04
4th MAW, NAS New Orleans	67021	1	0	0	0	0
Blount Island, NAS Jacksonville	32264	1	0	0	0	0
H&HS, MCAS Beaufort	04017	1	0	0	0	0
H&HS, MCAS Cherry Point	09037	1	0	0	0	0
H&HS, MCAS New River	02021	1	0	0	0	0
MALS-14, MCAS Cherry Point	09114	1	0	0	0	0
MALS-26, MCAS New River	09167	1	0	0	0	0
MALS-29, MCAS New River	52841	1	0	0	0	0
MALS-31, MCAS Beaufort	09131	1	0	0	0	0
MALS-42, JRB Marietta Georgia	09513	1	0	0	0	0
MALS-49, JRB Stewart New York	55555	1	0	0	0	0
MASD, Andrews AFB	65027	1	0	0	0	0
1st MAW, MCAS Okinawa	57079	1	0	0	0	0
3rd MAW, MCAS Miramar	00300	1	0	0	0	0
H&HS, MCAS Camp Pendleton	27604	1	0	0	0	0
H&HS, MCAS Futenma	63026	1	0	0	0	0
H&HS, MCAS Iwakuni	52991	1	0	0	0	0
H&HS, MCAS Miramar	31200	1	0	0	0	0
H&HS, MCAS Yuma	62974	1	0	0	0	0
MAD China Lake	67852	1	0	0	0	0
MALS-11, MCAS Miramar	09111	1	0	0	0	0
MALS-12, MCAS Iwakuni	09112	1	0	0	0	0
MALS-13, MCAS Yuma	57082	1	0	0	0	0
MALS-16, MCAS Miramar	55583	1	0	0	0	0
MALS-36, MCAS Okinawa	09136	1	0	0	0	0
MALS-39, MCAS Camp Pendleton	09808	1	0	0	0	0
MALS-41, JRB Fort Worth	08944	1	0	0	0	0
MALS-46, MCAS Miramar	09376	1	0	0	0	0
MALSE, MCAS Kaneohe	31947	1	0	0	0	0
MCAF, MCAS Kaneohe	31498	1	0	0	0	0
TOTAL:		31	0	0	0	0

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
OPERATIONAL ACTIVITIES - USMC					
HMH-461, MCAS New River, 09582 USMC	0	6		6541	
ACTIVITY TOTAL:	0	6			
HMH-464, MCAS New River, 53935 USMC	0	6		6541	
ACTIVITY TOTAL:	0	6			
HMH-772, JRB Willow Grove, 09490 USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			
HMLA-167, MCAS New River, 09898 USMC	0	18		6541	
ACTIVITY TOTAL:	0	18			
HMLA-269, MCAS New River, 08998 USMC	0	18		6541	
ACTIVITY TOTAL:	0	18			
HMLA-773, NAS Atlanta, 09431 USMC	0	4		6541	
AR	0	8		6541	
ACTIVITY TOTAL:	0	12			
HMLA-775 DET A, NAS New Orleans, 09415 USMC	0	2		6541	
AR	0	4		6541	
ACTIVITY TOTAL:	0	6			
HMLA-775, MCAS Camp Pendleton, 55252 USMC	0	4		6541	
AR	0	8		6541	
ACTIVITY TOTAL:	0	12			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
HMM-162, MCAS New River, 09492 USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			
HMM-261, MCAS New River, 09441 USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			
HMM-263, MCAS New River, 09445 USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			
HMM-264, MCAS New River, 09374 USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			
HMM-266, MCAS New River, 53972 USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			
HMM-365, MCAS New River, 53923 USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			
HMM-774, NS Norfolk, 09430 USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			
HMT-303, MCAS Camp Pendleton, 55176 USMC	0	6		6541	
ACTIVITY TOTAL:	0	6			
MALS Augment, MCAS Beaufort, 67863 USMC	0	11		6541	
ACTIVITY TOTAL:	0	11			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
MAWTS-1, MCAS Yuma, 55167 USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			
VFA-106, NAS Oceana, 09679 USMC	0	1		6541	
ACTIVITY TOTAL:	0	1			
VMA-223, MCAS Cherry Point, 09438 USMC	0	12		6541	
ACTIVITY TOTAL:	0	12			
VMA-231, MCAS Cherry Point, 52948 USMC	0	12		6541	
ACTIVITY TOTAL:	0	12			
VMA-542, MCAS Cherry Point, 52847 USMC	0	12		6541	
ACTIVITY TOTAL:	0	12			
VMAQ-1, MCAS Cherry Point, 41345 USMC	0	1		6541	
ACTIVITY TOTAL:	0	1			
VMAQ-2, MCAS Cherry Point, 42362 USMC	0	1		6541	
ACTIVITY TOTAL:	0	1			
VMAQ-3, MCAS Cherry Point, 42363 USMC	0	1		6541	
ACTIVITY TOTAL:	0	1			
VMAQ-4, MCAS Cherry Point, 67837 USMC	0	1		6541	
ACTIVITY TOTAL:	0	1			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
VMAT-203, MCAS Cherry Point, 45483 USMC	0	5		6541	
ACTIVITY TOTAL:	0	5			
VMFA(AW)-224, MCAS Beaufort, 09439					
USMC	0	11		6541	
ACTIVITY TOTAL:	0	11			
VMFA(AW)-332, MCAS Beaufort, 09501					
USMC	0	11		6541	
ACTIVITY TOTAL:	0	11			
VMFA(AW)-553, MCAS Beaufort, 09193					
USMC	0	11		6541	
ACTIVITY TOTAL:	0	11			
VMFA-115, MCAS Beaufort, 09234					
USMC	0	10		6541	
ACTIVITY TOTAL:	0	10			
VMFA-122, MCAS Beaufort, 09407					
USMC	0	10		6541	
ACTIVITY TOTAL:	0	10			
VMFA-142, NAS Jacksonville, 08966					
USMC	0	3		6541	
AR	0	7		6541	
ACTIVITY TOTAL:	0	10			
VMFA-251, MCAS Beaufort, 09241					
USMC	0	10		6541	
ACTIVITY TOTAL:	0	10			
VMFA-312, MCAS Beaufort, 09253					
USMC	0	10		6541	
ACTIVITY TOTAL:	0	10			

II.A.1.b. BILLETTS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
VMFA-321, Andrews AFB, 09265					
USMC	0	3		6541	
AR	0	7		6541	
ACTIVITY TOTAL:	0	10			
HMH-361, MCAS Miramar, 09446					
USMC	0	6		6541	
ACTIVITY TOTAL:	0	6			
HMH-362, MCB Hawaii, 09495					
USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			
HMH-363, MCB Hawaii, 09496					
USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			
HMH-366, MCB Hawaii, 55650					
USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			
HMH-462, MCAS Miramar, 09349					
USMC	0	6		6541	
ACTIVITY TOTAL:	0	6			
HMH-463, MCB Hawaii, 09010					
USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			
HMH-465, MCAS Miramar, 53936					
USMC	0	6		6541	
ACTIVITY TOTAL:	0	6			
HMH-466, MCAS Miramar, 53998					
USMC	0	6		6541	
ACTIVITY TOTAL:	0	6			

II.A.1.b. BILLETTS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
HMH-769, Edwards AFB, 09487					
AR	0	1		6541	
ACTIVITY TOTAL:	0	1			
HMLA-169, MCAS Camp Pendleton, 09202					
USMC	0	18		6541	
ACTIVITY TOTAL:	0	18			
HMLA-267, MCAS Camp Pendleton, 09159					
USMC	0	18		6541	
ACTIVITY TOTAL:	0	18			
HMLA-367, MCAS Camp Pendleton, 09079					
USMC	0	18		6541	
ACTIVITY TOTAL:	0	18			
HMLA-369, MCAS Camp Pendleton, 09361					
USMC	0	18		6541	
ACTIVITY TOTAL:	0	18			
HMM-161, MCAS Miramar, 09440					
USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			
HMM-163, MCAS Miramar, 09405					
USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			
HMM-164, MCAS Miramar, 09408					
USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			
HMM-165, MCAS Miramar, 09343					
USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
HMM-166, MCAS Miramar, 53973					
USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			
HMM-262, MCAS Okinawa, 09442					
USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			
HMM-265, MCAS Okinawa, 09404					
USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			
HMM-268, MCAS Camp Pendleton, 52790					
USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			
HMM-364, MCAS Camp Pendleton, 09793					
USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			
HMM-764, Edwards AFB, 09402					
USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			
MALS Augment, MCAS Miramar, 09116					
USMC	0	4		6541	
	0	5		6541	
ACTIVITY TOTAL:	0	9			
VAQ-129, NAS Whidbey, 09995					
USMC	0	1		6541	
ACTIVITY TOTAL:	0	1			
VFA-125, NAS Lemoore, 09485					
USMC	0	1		6541	
ACTIVITY TOTAL:	0	1			

II.A.1.b. BILLETTS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
VMA-211, MCAS Yuma, 09412 USMC	0	12		6541	
ACTIVITY TOTAL:	0	12			
VMA-214, MCAS Yuma, 09436 USMC	0	12		6541	
ACTIVITY TOTAL:	0	12			
VMA-311, MCAS Yuma, 09416 USMC	0	12		6541	
ACTIVITY TOTAL:	0	12			
VMA-513, MCAS Yuma, 09231 USMC	0	12		6541	
ACTIVITY TOTAL:	0	12			
VMFA(AW)-121, MCAS Miramar, 09257 USMC	0	11		6541	
ACTIVITY TOTAL:	0	11			
VMFA(AW)-225, MCAS Miramar, 09232 USMC	0	11		6541	
ACTIVITY TOTAL:	0	11			
VMFA(AW)-242, MCAS Miramar, 09668 USMC	0	11		6541	
ACTIVITY TOTAL:	0	11			
VMFA-112, JRB Fort Worth, 08954 USMC	0	3		6541	
AR	0	7		6541	
ACTIVITY TOTAL:	0	10			
VMFA-134, MCAS Miramar, 09365 USMC	0	7		6541	
AR	0	3		6541	
ACTIVITY TOTAL:	0	10			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
VMFA-212, MCAS Iwakuni, 09434 USMC	0	10		6541	
ACTIVITY TOTAL:	0	10			
VMFA-232, MCAS Miramar, 09242 USMC	0	10		6541	
ACTIVITY TOTAL:	0	10			
VMFA-314, MCAS Miramar, 09230 USMC	0	10		6541	
ACTIVITY TOTAL:	0	10			
VMFA-323, MCAS Miramar, 09235 AR	0	10		6541	
ACTIVITY TOTAL:	0	10			
VMFAT-101, MCAS Miramar, 09965 USMC	0	9		6541	
ACTIVITY TOTAL:	0	9			
FLEET SUPPORT ACTIVITIES - NAVY					
AFLOATRAGRU Norfolk CSTG, 49085 ACDU	0	2		6801	
ACTIVITY TOTAL:	0	2			
COMNAVAIRLANT, 57012 ACDU	0	2		6801	
ACTIVITY TOTAL:	0	2			
COMSTKFITWINGLANT Det, MCAS Beaufort, 3006A ACDU	0	16		6801	
ACTIVITY TOTAL:	0	16			
CV 67 USS John F. Kennedy, 03367 ACDU	0	11		6801	
TAR	0	1		6801	
ACTIVITY TOTAL:	0	12			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
CVN 65 USS Enterprise, 03365					
ACDU	0	11		6801	
ACTIVITY TOTAL:	0	11			
CVN 69 USS Dwight D. Eisenhower, 03369					
ACDU	0	11		6801	
ACTIVITY TOTAL:	0	11			
CVN 71 USS Theodore Roosevelt, 21247					
ACDU	0	11		6801	
ACTIVITY TOTAL:	0	11			
CVN 73 USS George Washington, 21412					
ACDU	0	11		6801	
ACTIVITY TOTAL:	0	11			
CVN 75 USS Harry S. Truman, 21853					
ACDU	0	10		6801	
ACTIVITY TOTAL:	0	10			
FASOTRAGRULANT, 09810					
ACDU	0	2		6801	9502
ACTIVITY TOTAL:	0	2			
LHA 2 USS Saipan, 20632					
ACDU	0	2		6801	
ACTIVITY TOTAL:	0	2			
LHA 4 USS Nassau, 20725					
ACDU	0	2		6801	
ACTIVITY TOTAL:	0	2			
LHD 1 USS Wasp, 21560					
ACDU	0	2		6801	
ACTIVITY TOTAL:	0	2			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
LHD 3 USS Kearsarge, 21700					
ACDU	0	2		6801	
ACTIVITY TOTAL:	0	2			
LHD 5 USS Bataan, 21879					
ACDU	0	2		6801	
ACTIVITY TOTAL:	0	2			
MCS 12 USS Inchon, 20009					
ACDU	0	1		6801	
ACTIVITY TOTAL:	0	1			
NAF Mildenhall, 57032					
ACDU	0	1		6801	
ACTIVITY TOTAL:	0	1			
NAS Brunswick, 60087					
ACDU	0	8		6801	
	0	1		6810	6801
ACTIVITY TOTAL:	0	9			
NAS Cecil Field, 60200					
ACDU	0	23		6801	
ACTIVITY TOTAL:	0	23			
NAS Keflavik, 63032					
ACDU	0	3		6801	
	0	1		6810	6801
	0	1		0812	6801
ACTIVITY TOTAL:	0	5			
NAS Oceana, 60191					
ACDU	0	3		6801	
ACTIVITY TOTAL:	0	3			
NATMSACT Kingsville, 49149					
ACDU	0	1		6801	
ACTIVITY TOTAL:	0	1			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
NAVAIRWP-MAINTUN, 52821					
ACDU	0	23		6801	
ACTIVITY TOTAL:	0	23			
NAVSTKAIR TESTRON, 39783					
ACDU	0	12		6801	
	0	2		6801	8845
	0	1		6801	9590
ACTIVITY TOTAL:	0	15			
Ordnance Det Oceana, 31279					
ACDU	0	33		6801	
ACTIVITY TOTAL:	0	33			
SURFLANT AVORD/MTT Norfolk, 48764					
ACDU	0	5		6801	
ACTIVITY TOTAL:	0	5			
COMFLTACT Okinawa, 62254					
ACDU	0	2		6801	
ACTIVITY TOTAL:	0	2			
CV 63 USS Kitty Hawk, 03363					
ACDU	0	11		6801	
ACTIVITY TOTAL:	0	11			
CV 64 USS Constellation, 03364					
ACDU	0	11		6801	
ACTIVITY TOTAL:	0	11			
CVN 68 USS Nimitz, 03368					
ACDU	0	11		6801	
ACTIVITY TOTAL:	0	11			
CVN 70 USS Carl Vinson, 20993					
ACDU	0	11		6801	
ACTIVITY TOTAL:	0	11			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
CVN 72 USS Abraham Lincoln, 21297					
ACDU	0	11		6801	
ACTIVITY TOTAL:	0	11			
CVN 74 USS John C. Stennis, 21847					
ACDU	0	11		6801	
ACTIVITY TOTAL:	0	11			
LHA 1 USS Tarawa, 20550					
ACDU	0	2		6801	
ACTIVITY TOTAL:	0	2			
LHA 3 USS Belleau Wood, 20633					
ACDU	0	2		6801	
ACTIVITY TOTAL:	0	2			
LHA 5 USS Peleliu, 20748					
ACDU	0	2		6801	
ACTIVITY TOTAL:	0	2			
LHD 2 USS Essex, 21533					
ACDU	0	2		6801	
ACTIVITY TOTAL:	0	2			
LHD 4 USS Boxer, 21808					
ACDU	0	2		6801	
ACTIVITY TOTAL:	0	2			
LHD 6 USS Bonhomme Richard, 22202					
ACDU	0	2		6801	
ACTIVITY TOTAL:	0	2			
LHD 7 USS Iwo Jima, 23027, FY03 Increment					
ACDU	0	3		6801	
ACTIVITY TOTAL:	0	3			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
NAF El Centro, 60042					
ACDU	0	7		6801	
ACTIVITY TOTAL:	0	7			
NAS Lemoore, 63042					
ACDU	0	3		6801	
ACTIVITY TOTAL:	0	3			
NAS Point Mugu, 0429A					
ACDU	0	18		6801	
	0	1		8345	6801
ACTIVITY TOTAL:	0	19			
NAWCWD Point Mugu, 63126					
ACDU	0	1		6801	
ACTIVITY TOTAL:	0	1			
FLEET SUPPORT ACTIVITIES - USMC					
2nd MAW, MCAS Cherry Point, 57080					
USMC	0	1		6541	
ACTIVITY TOTAL:	0	1			
4th MAW, NAS New Orleans, 67021					
USMC	0	1		6541	
ACTIVITY TOTAL:	0	1			
Blount Island, NAS Jacksonville, 32264					
USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			
H&HS, MCAS Beaufort, 04017					
USMC	0	5		6541	
ACTIVITY TOTAL:	0	5			
H&HS, MCAS Cherry Point, 09037					
USMC	0	17		6541	
ACTIVITY TOTAL:	0	17			

II.A.1.b. BILLETTS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
H&HS, MCAS New River, 02021					
USMC	0	5		6541	
ACTIVITY TOTAL:	0	5			
MALS-14, MCAS Cherry Point, 09114					
USMC	0	44		6541	
ACTIVITY TOTAL:	0	44			
MALS-26, MCAS New River, 09167					
USMC	0	12		6541	
ACTIVITY TOTAL:	0	12			
MALS-29, MCAS New River, 52841					
USMC	0	12		6541	
ACTIVITY TOTAL:	0	12			
MALS-31, MCAS Beaufort, 09131					
USMC	0	44		6541	
ACTIVITY TOTAL:	0	44			
MALS-42, JRB Marietta Georgia, 09513					
USMC	0	2		6541	
AR	0	10		6541	
ACTIVITY TOTAL:	0	12			
MALS-49, JRB Stewart New York, 55555					
USMC	0	4		6541	
AR	0	8		6541	
ACTIVITY TOTAL:	0	12			
MASD, Andrews AFB, 65027					
USMC	0	1		6541	
ACTIVITY TOTAL:	0	1			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
1st MAW, MCAS Okinawa, 57079 USMC	0	1		6541	
ACTIVITY TOTAL:	0	1			
3rd MAW, MCAS Miramar, 00300 USMC	0	1		6541	
ACTIVITY TOTAL:	0	1			
H&HS, MCAS Camp Pendleton, 27604 USMC	0	9		6541	
ACTIVITY TOTAL:	0	9			
H&HS, MCAS Futenma, 63026 USMC	0	1		6541	
ACTIVITY TOTAL:	0	1			
H&HS, MCAS Iwakuni, 52991 USMC	0	7		6541	
ACTIVITY TOTAL:	0	7			
H&HS, MCAS Miramar, 31200 USMC	0	8		6541	
ACTIVITY TOTAL:	0	8			
H&HS, MCAS Yuma, 62974 USMC	0	18		6541	
ACTIVITY TOTAL:	0	18			
MAD China Lake, 67852 USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			
MALS-11, MCAS Miramar, 09111 USMC	0	44		6541	
ACTIVITY TOTAL:	0	44			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
MALS-12, MCAS Iwakuni, 09112					
USMC	0	44		6541	
ACTIVITY TOTAL:	0	44			
MALS-13, MCAS Yuma, 57082					
USMC	0	44		6541	
ACTIVITY TOTAL:	0	44			
MALS-16, MCAS Miramar, 55583					
USMC	0	12		6541	
ACTIVITY TOTAL:	0	12			
MALS-36, MCAS Okinawa, 09136					
USMC	0	12		6541	
ACTIVITY TOTAL:	0	12			
MALS-39, MCAS Camp Pendleton, 09808					
USMC	0	12		6541	
ACTIVITY TOTAL:	0	12			
MALS-41, JRB Fort Worth, 08944					
USMC	0	5		6541	
AR	0	39		6541	
ACTIVITY TOTAL:	0	44			
MALS-46, MCAS Miramar, 09376					
USMC	0	2		6541	
AR	0	42		6541	
ACTIVITY TOTAL:	0	44			
MALSE, MCAS Kaneohe, 31947					
USMC	0	4		6541	
ACTIVITY TOTAL:	0	4			
MCAF, MCAS Kaneohe, 31498					
USMC	0	7		6541	
ACTIVITY TOTAL:	0	7			

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY00		FY01		FY02		FY03		FY04	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NAVY OPERATIONAL ACTIVITIES - USMC													
	6541		3		0		0		0		0		0
USMC OPERATIONAL ACTIVITIES - USMC													
	6541		480		0		0		0		0		0
USMC OPERATIONAL ACTIVITIES - AR													
	6541		55		0		0		0		0		0
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
	6801		317		0		0		0		3		0
	6801	8845	2		0		0		0		0		0
	6801	9502	2		0		0		0		0		0
	6801	9590	1		0		0		0		0		0
	6810	6801	2		0		0		0		0		0
	0812	6801	1		0		0		0		0		0
	8345	6801	1		0		0		0		0		0
NAVY FLEET SUPPORT ACTIVITIES - TAR													
	6801		1		0		0		0		0		0
USMC FLEET SUPPORT ACTIVITIES - USMC													
	6541		383		0		0		0		0		0
USMC FLEET SUPPORT ACTIVITIES - AR													
	6541		99		0		0		0		0		0

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY00		FY01		FY02		FY03		FY04	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
SUMMARY TOTALS:													
NAVY OPERATIONAL ACTIVITIES - USMC													
		3		0		0		0		0		0	
USMC OPERATIONAL ACTIVITIES - USMC													
		480		0		0		0		0		0	
USMC OPERATIONAL ACTIVITIES - AR													
		55		0		0		0		0		0	
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
		326		0		0		0		3		0	
NAVY FLEET SUPPORT ACTIVITIES - TAR													
		1		0		0		0		0		0	
USMC FLEET SUPPORT ACTIVITIES - USMC													
		383		0		0		0		0		0	
USMC FLEET SUPPORT ACTIVITIES - AR													
		99		0		0		0		0		0	
GRAND TOTALS:													
NAVY - ACDU													
		326		0		0		0		3		0	
NAVY - TAR													
		1		0		0		0		0		0	
NAVY - USMC													
		3		0		0		0		0		0	
USMC - USMC													
		863		0		0		0		0		0	
USMC - AR													
		154		0		0		0		0		0	

II.A.3. TRAINING ACTIVITIES INSTRUCTOR AND SUPPORT BILLET REQUIREMENTS

DESIG RATING	PNEC/SNEC PMOS/SMOS		PFYs		CFY00		FY01		FY02		FY03		FY04	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL

TRAINING ACTIVITY, LOCATION, UIC: MTU 4030 NAMTRAGRU DET, NS Mayport, 39470

INSTRUCTOR BILLETS

ACDU	6801	9502	0	3	0	3	0	3	0	3	0	3	0	3
TOTAL:			0	3	0	3	0	3	0	3	0	3	0	3

TRAINING ACTIVITY, LOCATION, UIC: MTU 4032 NAMTRAGRU DET, Norfolk, 66046

INSTRUCTOR BILLETS

ACDU	6801	9502	0	4	0	4	0	4	0	4	0	4	0	4
TOTAL:			0	4	0	4	0	4	0	4	0	4	0	4

TRAINING ACTIVITY, LOCATION, UIC: MTU 4033 NAMTRADRU DET, North Island, 66065

INSTRUCTOR BILLETS

ACDU	6801	9502	0	4	0	4	0	4	0	4	0	4	0	4
TOTAL:			0	4	0	4	0	4	0	4	0	4	0	4

TRAINING ACTIVITY, LOCATION, UIC: MTU 4035 NAMTRAGRU DET, Whidbey Island, 66058

INSTRUCTOR BILLETS

ACDU	6801	9502	0	5	0	5	0	5	0	5	0	5	0	5
TOTAL:			0	5	0	5	0	5	0	5	0	5	0	5

II.A.3. TRAINING ACTIVITIES INSTRUCTOR AND SUPPORT BILLET REQUIREMENTS

DESIG RATING	PNEC/SNEC		PFYs		CFY00		FY01		FY02		FY03		FY04	
	PMOS/SMOS		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL

TRAINING ACTIVITY, LOCATION, UIC: VMAT 203 FREST, MCAS Cherry Point, 45483

INSTRUCTOR BILLETS

ACDU	6801	9502	0	1	0	1	0	1	0	1	0	1	0	1
USMC	6541		0	23	0	23	0	23	0	23	0	23	0	23
TOTAL:			0	24	0	24	0	24	0	24	0	24	0	24

II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs		CFY00		FY01		FY02		FY03		FY04	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 4030 NAMTRAGRU DET, NS Mayport, 39470	NAVY		2.5	2.5		2.5		2.5		2.5		2.5	
MTU 4032 NAMTRAGRU DET, Norfolk, 66046	NAVY		6.6	6.6		6.6		6.6		6.6		6.6	
MTU 4033 NAMTRADRU DET, North Island, 66065	NAVY		3.8	2.5		2.5		2.5		2.5		2.5	
MTU 4035 NAMTRAGRU DET, Whidbey Island, 66058	NAVY		1.1	2.4		2.4		2.6		2.8		2.6	
VMAT 203 FREST, MCAS Cherry Point, 45483	USMC		55.6	55.6		55.6		55.6		55.6		55.6	
SUMMARY TOTALS:													
	NAVY		14.0	14.0		14.0		14.2		14.4		14.2	
	USMC		55.6	55.6		55.6		55.6		55.6		55.6	
GRAND TOTALS:													
			69.6	69.6		69.6		69.8		70.0		69.8	

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY00		FY01		FY02		FY03		FY04	
				+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM

a. OFFICER - USN - Not Applicable

b. ENLISTED - USN

Fleet Support Billets ACDU and TAR

6801			1	0	1	0	1	0	1	0	1	0	1
6801			317	0	317	0	317	0	317	3	320	0	320
6801	8845		2	0	2	0	2	0	2	0	2	0	2
6801	9502		2	0	2	0	2	0	2	0	2	0	2
6801	9590		1	0	1	0	1	0	1	0	1	0	1
6810	6801		2	0	2	0	2	0	2	0	2	0	2
0812	6801		1	0	1	0	1	0	1	0	1	0	1
8345	6801		1	0	1	0	1	0	1	0	1	0	1

Staff Billets ACDU and TAR

6801	9502		17	0	17	0	17	0	17	0	17	0	17
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Chargeable Student Billets ACDU and TAR

			14	0	14	0	14	0	14	0	14	0	14
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TOTAL USN ENLISTED BILLETS:

Fleet Support			327	0	327	0	327	0	327	3	330	0	330
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Staff			17	0	17	0	17	0	17	0	17	0	17
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Chargeable Student			14	0	14	0	14	0	14	0	14	0	14
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c. OFFICER - USMC - Not Applicable

d. ENLISTED - USMC

Operational Billets USMC and AR

6541			538	0	538	0	538	0	538	0	538	0	538
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Fleet Support Billets USMC and AR

6541			482	0	482	0	482	0	482	0	482	0	482
------	--	--	-----	---	-----	---	-----	---	-----	---	-----	---	-----

Staff Billets USMC and AR

6541			23	0	23	0	23	0	23	0	23	0	23
------	--	--	----	---	----	---	----	---	----	---	----	---	----

Chargeable Student Billets USMC and AR

			56	0	56	0	56	0	56	0	56	0	56
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II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY00		FY01		FY02		FY03		FY04	
				+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM

TOTAL USMC ENLISTED BILLETS:

Operational			538	0	538	0	538	0	538	0	538	0	538
Fleet Support			482	0	482	0	482	0	482	0	482	0	482
Staff			23	0	23	0	23	0	23	0	23	0	23
Chargeable Student			56	0	56	0	56	0	56	0	56	0	56

II.B. PERSONNEL REQUIREMENTS

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: D-646-7007, General Shipboard / NAS Weapons Department AVORD Maintenance
COURSE LENGTH: 6.2 Weeks **TOUR LENGTH:** Navy: 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.12

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY00		FY01		FY02		FY03		FY04	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 4030	NAMTRAGRU	DET, NS Mayport										
	NAVY	ACDU		22		22		22		22		22
MTU 4032	NAMTRAGRU	DET, Norfolk										
	NAVY	ACDU		59		59		59		59		59
		TOTAL:		81		81		81		81		81

CIN, COURSE TITLE: E-646-7007, General Shipboard / NAS Weapons Department AVORD Maintenance
COURSE LENGTH: 6.2 Weeks **TOUR LENGTH:** Navy: 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.12

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY00		FY01		FY02		FY03		FY04	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 4033	NAMTRADRU	DET, North Island										
	NAVY	ACDU		22		22		22		22		22
MTU 4035	NAMTRAGRU	DET, Whidbey Island										
	NAVY	ACDU		22		22		23		25		23
		TOTAL:		44		44		45		47		45

CIN, COURSE TITLE: M-646-7026, Aircraft Ordnance Technician, IMA
COURSE LENGTH: 11.4 Weeks **BACKOUT FACTOR:** 0.23
ATTRITION FACTOR: USMC: 0%

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY00		FY01		FY02		FY03		FY04	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
VMAT 203	FREST, MCAS	Cherry Point										
	USMC	USMC		218		218		218		218		218
		AR		39		39		39		39		39
		TOTAL:		257		257		257		257		257

PART III - TRAINING REQUIREMENTS

The following elements are not affected by the AGM-154 JSOW system and, therefore, are not included in Part III of this NTSP:

III.A.2. Follow-on Training

III.A.2.b. Planned Courses

III.A.2.c. Unique Courses

III.A.3. Existing Training Phased Out

III.A. TRAINING COURSE REQUIREMENTS

III.A.1. Initial Training Requirements

COURSE TITLE: JSOW Pilot/NFO Familiarization
COURSE DEVELOPER: NraD/JSOW Project Pilot
INSTRUCTOR: JSOW Project Pilot
COURSE LENGTH: 1 day

LOCATION, UIC	BEGIN DATE	DATE COMPLETED	ACTIVITY DESTINATION
NAWC, China Lake, 60530	30 days prior to first evaluation	TECHEVAL Dec 95 OPEVAL Jan 97	VX-9 Aircrew

COURSE TITLE: JSOW O & I Level Maintenance (TECHEVAL/OPEVAL)
COURSE DEVELOPER: TI
INSTRUCTOR: WTT
COURSE LENGTH: 2 days

LOCATION, UIC	BEGIN DATE	DATE COMPLETED	ACTIVITY DESTINATION
NAVAIRWARCENWPNDIV, China Lake, 60530	30 days prior to first evaluation	TECHEVAL Dec 95 OPEVAL Jan 97	SFWSL, SFWSP, NAMTRA, MOTTS, FWST, VX-9, Weapons Test Squadron (China Lake)

COURSE TITLE: JSOW Organizational Maintenance for Instructors
COURSE DEVELOPER: WTT
INSTRUCTOR: WTT
COURSE LENGTH: 2 days

LOCATION, UIC	BEGIN DATE	DATE COMPLETED	ACTIVITY DESTINATION
NAMTRAGRU DET 4033, North Island	6 months prior to start of follow-on training	Nov 98	SFWSL, SFWP, AO A1 School, VMAT-203 FREST

COURSE TITLE: JSOW Intermediate Maintenance (NAMTG and FREST instructors)
COURSE DEVELOPER: WTT
INSTRUCTOR: WTT
COURSE LENGTH: 2 days

LOCATION, UIC	BEGIN DATE	DATE COMPLETED	ACTIVITY DESTINATION
NAMTRAGRU DET 4033, North Island	6 months prior to start of follow-on training	Nov 98	SFWSL, SFWP, AO A1 School, VMAT-203 FREST

III.A.2. FOLLOW-ON TRAINING

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance
TRAINING ACTIVITY: MTU 4030 NAMTRAGRU DET
LOCATION, UIC: NS Mayport, 39470

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	22		22		22		22		22	ATIR
	20		20		20		20		20	Output
	2.5		2.5		2.5		2.5		2.5	AOB
	2.5		2.5		2.5		2.5		2.5	Chargeable

TRAINING ACTIVITY: MTU 4032 NAMTRAGRU DET
LOCATION, UIC: Norfolk, 66046

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	59		59		59		59		59	ATIR
	53		53		53		53		53	Output
	6.6		6.6		6.6		6.6		6.6	AOB
	6.6		6.6		6.6		6.6		6.6	Chargeable

CIN, COURSE TITLE: E-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance
TRAINING ACTIVITY: MTU 4033 NAMTRADRU DET
LOCATION, UIC: North Island, 66065

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	22		22		22		22		22	ATIR
	20		20		20		20		20	Output
	2.5		2.5		2.5		2.5		2.5	AOB
	2.5		2.5		2.5		2.5		2.5	Chargeable

TRAINING ACTIVITY: MTU 4035 NAMTRAGRU DET
LOCATION, UIC: Whidbey Island, 66058

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	22		22		23		25		23	ATIR
	20		20		21		23		21	Output
	2.4		2.4		2.6		2.8		2.6	AOB
	2.4		2.4		2.6		2.8		2.6	Chargeable

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: M-646-7026, Aircraft Ordnance Technician, IMA

TRAINING ACTIVITY: VMAT 203 FREST

LOCATION, UIC: MCAS Cherry Point, 45483

SOURCE: USMC

STUDENT CATEGORY: USMC - AR

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	257		257		257		257		257	ATIR
	257		257		257		257		257	Output
	55.6		55.6		55.6		55.6		55.6	AOB
	55.6		55.6		55.6		55.6		55.6	Chargeable

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

The following elements are not affected at this time by the JSOW and, therefore, are not included in Part IV of this NTSP:

IV.A. Training Hardware

IV.A.4. Repair Parts for Technical Training Equipment

IV.C. Facility Requirements

IV.C.1 Facility Requirements Summary (Space/Support) by Activity

IV.C.2 Facility Requirements Detailed by Activity and Course

IV.C.3 Facility Project Summary by Program

NOTE: No new or modified training facilities are required for the JSOW.

IV.A. TRAINING HARDWARE

IV.A.1. TTE/GPTE/SPTE/ST/GPETE/SPETE

TRAINING ACTIVITY: AO "A" School LOCATION, UIC: NATTC Pensacola, 63082 CIN, COURSE TITLE: C-646-2011A, Aviation Ordnanceman Core C-646-2012A, Navy Difference Training Strand						
ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE 001	ADU-775/E Transport Adapter		2	TBD		Pending
002	ADU-783/E Trolley Adapter		2	TBD		Pending
003	AUR Container		1	TBD		Pending
TRAINING ACTIVITY: SFWS Atlantic LOCATION, UIC: NAS Oceana, 47084 CIN, COURSE TITLE: D-646-0640, F/A-18 Conventional Weapons Loading						
ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE 001	ADU-775/E Transport Adapter		2			On- Hand
002	ADU-783/E Trolley Adapter		2			On- Hand
003	AUR Container		1			On- Hand
TRAINING ACTIVITY: SFWS Pacific LOCATION, UIC: NAS Lemoore, 35185 CIN, COURSE TITLE: E-646-0640, F/A-18 Conventional Weapons Loading						
ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE 001	ADU-775/E Transport Adapter		2			On- Hand
002	ADU-783/E Trolley Adapter		2			On- Hand
003	AUR Container		1			On- Hand

TRAINING ACTIVITY: VMAT-203, FREST
LOCATION, UIC: MCAS Cherry Point, 66047
CIN, COURSE TITLE: C-646-3105, Aviation Ordnance Intermediate Maintenance Technician

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE 001	ADU-775/E Transport Adapter		2			On- Hand
002 GPTE	AUR Container		1			On- Hand
001 SPTE	CMBRE		1	TBD		Pending
001	Power Converter		1	TBD		Pending

TRAINING ACTIVITY: MTU-4030 NAMTRAGRUDET
LOCATION, UIC: NS Mayport, 66069
CIN, COURSE TITLE: C-646-4109, Weapons Department Air Launched Weapons General
C-122-3111, Air Launched Guided Missile I Level Maintenance

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE 001	ADU-775/E Transport Adapter		2			On- Hand
002 GPTE	AUR Container		1			On- Hand
001 SPTE	CMBRE		1	TBD		Pending
001	Power Converter		1	TBD		Pending

TRAINING ACTIVITY: MTU-4032 NAMTRAGRUDET
LOCATION, UIC: NAS Norfolk, 66046
CIN, COURSE TITLE: C-646-4109, Weapons Department Air Launched Weapons General
C-122-3111, Air Launched Guided Missile I Level Maintenance

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE 001	ADU-775/E Transport Adapter		2			On- Hand
002 GPTE	AUR Container		1			On- Hand
001 SPTE	CMBRE		1	TBD		Pending
001	Power Converter		1	TBD		Pending

TRAINING ACTIVITY: MTU-4033 NAMTRAGRUDET
LOCATION, UIC: NAS North Island, 66065
CIN, COURSE TITLE: C-646-4109, Weapons Department Air Launched Weapons General
C-122-3111, Air Launched Guided Missile I Level Maintenance

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE 001	ADU-775/E Transport Adapter		2			On- Hand
002	AUR Container		1			On- Hand
GPTE 001	CMBRE		1	TBD		Pending
SPTE 001	Power Converter		1	TBD		Pending

TRAINING ACTIVITY: MTU-4035 NAMTRAGRUDET
LOCATION, UIC: NAS Whidbey Island, 66058
CIN, COURSE TITLE: C-646-4109, Weapons Department Air Launched Weapons General
C-122-3111, Air Launched Guided Missile I Level Maintenance

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE 001	ADU-775/E Transport Adapter		2			On- Hand
002	AUR Container		1			On- Hand
GPTE 001	CMBRE		1	TBD		Pending
SPTE 001	Power Converter		1	TBD		Pending

IV.A.1. TTE/GPTE/SPTE/ST/GPETE/SPETE

TRAINING ACTIVITY: NAVSCOLEOD LOCATION, UIC: Eglin AFB CIN, COURSE TITLE: A-431-0011, EOD Phase II (Navy) A-431-0012, EOD Phase II (Other)						
ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE 001	ADU-775/E Transport Adapter		2	Apr 99		On-hand
002	ADU-783/E Transport Trolley		2	Apr 99		On-hand
003	AUR Container		1	TBD		Pending
TRAINING ACTIVITY: EODTEU ONE LOCATION, UIC: NAS Barbers Point, 30202 CIN, COURSE TITLE: G-431-0003, EOD Shore Detachment Training						
ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE 001	ADU-775/E Transport Adapter		2	Apr 99		On-hand
002	ADU-783/E Transport Trolley		2	Apr 99		On-hand
003	AUR Container		1	TBD		Pending
TRAINING ACTIVITY: EODTEU TWO LOCATION, UIC: Fort Story, 43505 CIN, COURSE TITLE: G-431-0003, EOD Shore Detachment Training						
ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE 001	ADU-775/E Transport Adapter		2	Apr 99		On-hand
002	ADU-783/E Transport Trolley		2	Apr 99		On-hand
003	AUR Container		1	TBD		Pending

IV.A.2. TRAINING DEVICES

DEVICE:	Dummy Air Training Missile (DATM)				
DESCRIPTION OF DEVICE:	The Dummy Air Training Missile (DATM) will be of the same external configuration, weight and center of gravity as current training devices, but will not be functional.				
MANUFACTURER:	Raytheon Missile Systems Company (formerly Hughes Missile Systems Company)				
CONTRACT NUMBER:	NA00019-91-0196				
TEE STATUS:	TBD				
TRAINING ACTIVITY LOCATION, UIC	QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
AO A School NATTC Pensacola, 63115	1	6 months prior to fleet introduction		Pending	AO A1 School (Core) AO A1 School (Navy Difference Strand)
MTU-4030 NAMTG NS Mayport, 66069	1		On-line	On-hand	Weapons Dept Air Launched Weapons General Air Launched Guided Missile Intermediate Maintenance
MTU-4032 NAMTG NAS Norfolk, 66046	1		On-line	On-hand	Weapons Dept Air Launched Weapons General Air Launched Guided Missile Intermediate Maintenance
MTU-4033 NAMTG NAS North Island, 66065	1		On-line	On-hand	Weapons Dept Air Launched Weapons General Air Launched Guided Missile Intermediate Maintenance
MTU-4035 NAMTG NAS Whidbey Island, 66058	1		On-line	On-hand	Weapons Dept Air Launched Weapons General Air Launched Guided Missile Intermediate Maintenance
SFWSL NAS Oceana	1		On-line	On-hand	Conventional Weapons Release and Loading
SFWSP NAS Lemoore, 35185	1		On-line	On-hand	Conventional Weapons Release and Loading
VMAT-203 FREST MCAS Cherry Pt, 66047	1		On-line	On-hand	Aviation Ordnance Integrated Maint. Technician
NAWCWD Point Mugu, 63126	1	6 months prior to fleet introduction		Pending	TBD ¹
CV/CVN Norfolk, 00188	5	6 months prior to fleet introduction			Qual/Cert ¹
CVW - Oceana	1	6 months prior to fleet introduction			Qual/Cert ¹
Weapons Dept. NAS Sigonella, 62995	1	6 months prior to fleet introduction			Qual/Cert ¹

IV.A.2. TRAINING DEVICES

TRAINING ACTIVITY LOCATION, UIC	QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
Weapons Dept. NAF Atsugi, 62507	1	6 months prior to fleet introduction			Qual/Cert ¹
Weapons Dept. NAS Lemoore, 63042	2			On-hand (1 each)	Qual/Cert ¹
Weapons Dept. NAS Oceana	1			On-hand	Qual/Cert ¹
MAG/MALS-31 MCAS Beaufort, 60169	1			On-hand	Qual/Cert ¹
VFA-125/VFA-106 Fallon, 68847	1			On-hand	Qual/Cert ¹
MAG/MALS 11 Miramar, 45495	1			On-hand	Qual/Cert ¹
MALS-12 Iwakuni, Japan 62613	1	6 months prior to fleet introduction			Qual/Cert ¹
PAC CV/CVN San Diego, 57025	7	6 months prior to fleet introduction			Qual/Cert ¹
NAVRESFOR	2	6 months prior to fleet introduction			Qual/Cert ²
TOTAL:	34				

¹ These courses are currently under development. Further information will be included in this NTSP as future updates become available.

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: VFA-106 LOCATION, UIC: NAS Cecil Field, 09679 CIN, COURSE TITLE: D-2A-0601, F/A-18 Fleet Replacement Pilot Cat 1 D-2A-0602, F/A-18 Fleet Replacement Pilot Cat 2A D-2A-0604, F/A-18 Fleet Replacement Pilot Cat 3A D-2A-0606, F/A-18 Fleet Replacement Pilot Cat 4			
TYPE OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Training Conduct Support Document JSOW ICW	1 1 Set	Feb 98	On-line
TRAINING ACTIVITY: VFA-125 LOCATION, UIC: NAS Lemoore, 65559 CIN, COURSE TITLE: E-2A-0601, F/A-18 Fleet Replacement Pilot Cat 1 E-2A-0602, F/A-18 Fleet Replacement Pilot Cat 2A E-2A-0604, F/A-18 Fleet Replacement Pilot Cat 3A E-2A-0606, F/A-18 Fleet Replacement Pilot Cat 4			
TYPE OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Training Conduct Support Document JSOW ICW	1 1 Set	Feb 98	On-line
TRAINING ACTIVITY: VMFAT-101 LOCATION, UIC: MCAS Miramar, 45526 CIN, COURSE TITLE: F/A-18 Fleet Replacement Pilot Cat. 1 F/A-18 Fleet Replacement Pilot Cat.2A F/A-18 Fleet Replacement Pilot Cat. 3A F/A-18 Fleet Replacement Pilot Cat. 4 F/A-18D Fleet Replacement Pilot Cat. 1 F/A-18D Fleet Replacement Pilot Cat. 2 F/A-18D Fleet Replacement Pilot Cat. 3 F/A-18D Fleet Replacement Pilot Cat. 4 F/A-18D Weapons and Sensor Operator Cat. 1 F/A-18D Weapons and Sensor Operator Cat. 2 F/A-18D Weapons and Sensor Operator Cat. 3 F/A-18D Weapons and Sensor Operator Cat. 4			
TYPE OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Training Conduct Support Document JSOW ICW	1 1 Set	Feb 98	On-line

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: AO A1 School LOCATION, UIC: NATTC Pensacola, 63115 CIN, COURSE TITLE: C-646-2011A, AO A1 School (Core) C-646-2012A, AO A1 School (Navy Difference Training Strand)			
TYPE OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Core			
Training Conduct Support Document	1	6 months prior to	Pending
JOW ICW	3 Sets	fleet introduction	
Navy Difference Training Strand			
Training Conduct Support Document	1	6 months prior to	Pending
JOW Curriculum	3 Sets	fleet introduction	
TRAINING ACTIVITY: MTU 4030 NAMTG LOCATION, UIC: NAS Mayport, 66069 CIN, COURSE TITLE: C-646-4109, Weapons Department Air Launched Weapons General C-122-3111, Air Launched Guided Missile Intermediate Maintenance			
TYPE OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Training Conduct Support Document	1		On-hand
JOW Curriculum	3 Sets		
TRAINING ACTIVITY: MTU 4032 NAMTG LOCATION, UIC: NAS Norfolk, 66046 CIN, COURSE TITLE: C-646-4109, Weapons Department Air Launched Weapons General C-122-3111, Air Launched Guided Missile Intermediate Maintenance			
TYPE OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Training Conduct Support Document	1		On-hand
JOW Curriculum	3 Sets		
TRAINING ACTIVITY: MTU 4033 NAMTG LOCATION, UIC: NAS North Island, 66065 CIN, COURSE TITLE: C-646-4109, Weapons Department Air Launched Weapons General C-122-3111, Air Launched Guided Missile Intermediate Maintenance			
TYPE OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Training Conduct Support Document	1		On-hand
JOW Curriculum	3 Sets		
TRAINING ACTIVITY: MTU 4035 NAMTG LOCATION, UIC: NAS Whidbey Island, 66058 CIN, COURSE TITLE: C-646-4109, Weapons Department Air Launched Weapons General C-122-3111, Air Launched Guided Missile Intermediate Maintenance			
TYPE OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Training Conduct Support Document	1		On-hand
JOW Curriculum	3 Sets		

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: SFWS Atlantic LOCATION, UIC: NAS Oceana CIN, COURSE TITLE: D-646-0640, F/A-18 Conventional Weapons Release and Loading			
TYPE OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Training Conduct Support Document	1		On-hand
JSOB Curriculum	3 Sets		
TRAINING ACTIVITY: SFWS Pacific LOCATION, UIC: NAS Lemoore, 35185 CIN, COURSE TITLE: E-646-0640, F/A-18 Conventional Weapons Release and Loading			
TYPE OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Training Conduct Support Document	1		On-hand
JSOB Curriculum	3 Sets		
TRAINING ACTIVITY: VMAT-203 FREST LOCATION, UIC: MCAS Cherry Point, 66047 CIN, COURSE TITLE: C-646-3105, Aviation Ordnance Integrated Maintenance Technician			
TYPE OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Training Conduct Support Document	1		On-hand
JSOB Curriculum	3 Sets		
TRAINING ACTIVITY: NAVSCOLEOD LOCATION, UIC: NSCW Indian Head, 42136 CIN, COURSE TITLE: A-431-0011, EOD Phase II (Navy) A-431-0012, EOD Phase II (Other)			
TYPE OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Navy			
Training Conduct Support Document	1		On-hand
JSOB Curriculum	3 Sets		
Other			
Training Conduct Support Document	1		On-hand
JSOB Curriculum	3 Sets		
TRAINING ACTIVITY: EODTEU ONE LOCATION, UIC: NAS Barbers Point, 30202 CIN, COURSE TITLE: G-431-0001, EOD Pre-Deployment Training G-431-0003, EOD Shore Detachment Training G-431-0005, EOD Mobile Team Training			
TYPE OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
G-431-0001, Pre-Deployment			
Training Conduct Support Document	1		On-hand
JSOB Curriculum	3 Sets		

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

G-431-0003, Shore Detachment			
Training Conduct Support Document	1		On-hand
JSOB Curriculum	3 Sets		
G-431-0005, Mobile Team			
Training Conduct Support Document	1		On-hand
JSOB Curriculum	3 Sets		
TRAINING ACTIVITY: EODTEU ONE LOCATION, UIC: Fort Story, 43505 CIN, COURSE TITLE: G-431-0001, EOD Pre-Deployment Training G-431-0003, EOD Shore Detachment Training G-431-0005, EOD Mobile Team Training			
TYPE OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
G-431-0001, Pre-Deployment			
Training Conduct Support Document	1		On-hand
JSOB Curriculum	3 Sets		
G-431-0003, Shore Detachment			
Training Conduct Support Document	1		On-hand
JSOB Curriculum	3 Sets		
G-431-0005, Mobile Team			
Training Conduct Support Document	1		On-hand
JSOB Curriculum	3 Sets		

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: VFA-106

LOCATION, UIC: NAS Oceana

CIN, COURSE TITLE: D-2A-0601, F/A-18 Fleet Replacement Pilot Cat 1
 D-2A-0602, F/A-18 Fleet Replacement Pilot Cat 2A
 D-2A-0604, F/A-18 Fleet Replacement Pilot Cat 3A
 D-2A-0606, F/A-18 Fleet Replacement Pilot Cat 4

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
NATOPS Flight Manual Navy Model F/A-18A/B/C/D, A1-F18AC-NFM-000	Hard copy	6		On-hand
NATOPS Pocket Checklist, A1-F18AC-NFM-500	Hard copy	6		On-hand
Tactical Manual, A1-F18AC-TAC-000	Hard copy	6		On-hand
Tactical Manual Pocket Guide, A1-F18AC-TAC-300	Hard copy	6		On-hand
Airborne Weapons/Stores Loading Manual, A1-F18AE-LWS-000	Hard copy	6		On-hand
Conventional Weapons Loading Checklist, A1-F18AE-LWS-610	Hard copy	6		On-hand
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	6		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 3	Hard copy	6		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 4	Hard copy	6		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	6		On-hand
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	6		On-hand
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	6		On-hand
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	6		On-hand
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	6		On-hand

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: VFA-125
LOCATION, UIC: NAS Lemoore, 65559
CIN, COURSE TITLE: E-2A-0601, F/A-18 Fleet Replacement Pilot Cat 1
 E-2A-0602, F/A-18 Fleet Replacement Pilot Cat 2A
 E-2A-0603, F/A-18 Fleet Replacement Pilot Cat 2F
 E-2A-0604, F/A-18 Fleet Replacement Pilot Cat 3A
 E-2A-0605, F/A-18 Fleet Replacement Pilot Cat 2H
 E-2A-0606, F/A-18 Fleet Replacement Pilot Cat 4

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
NATOPS Flight Manual Navy Model F/A-18A/B/C/D, A1-F18AC-NFM-000	Hard copy	6		On-hand
NATOPS Pocket Checklist, A1-F18AC-NFM-500	Hard copy	6		On-hand
Tactical Manual, A1-F18AC-TAC-000	Hard copy	6		On-hand
Tactical Manual Pocket Guide, A1-F18AC-TAC-300	Hard copy	6		On-hand
Airborne Weapons/Stores Loading Manual, A1-F18AE-LWS-000	Hard copy	6		On-hand
Conventional Weapons Loading Checklist, A1-F18AE-LWS-610	Hard copy	6		On-hand
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	6		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 3	Hard copy	6		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 4	Hard copy	6		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	6		On-hand
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	6		On-hand
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	6		On-hand
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	6		On-hand
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	6		On-hand

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, FL, 30459

CIN, COURSE TITLE: C-646-2011A, AO A1 School (Core)

C-646-2112A, AO A1 School (Navy Difference Training Strand)

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
Approved Handling Equipment for Weapons and Explosives, NAVSEA OP-2173, Change 2	Hard copy	8		Pending
F-18 Aircraft Airborne Weapons Stores Loading Manual, A1-F18AC-LWS-000	Hard copy	8		Pending
Airborne Weapons Packaging/Handling/Storage Shipboard Vol. 2, NA 11-120A-1.2	Hard copy	8		Pending
Airborne Weapons/Stores Checklist Transporting and Loading Equipment Configuration (Shipboard), NA 19-95-1	Hard copy	8		Pending
Airborne Weapons/Stores Checklist Transporting and Loading Equipment Configuration (Shore Based), NA 19-95-3	Hard copy	8		Pending
USN Handling Equipment Afloat, NA 19-100-2	Hard copy	8		Pending
Ammunition and Explosives - Afloat, NAVSEA OP-4	Hard copy	8		Pending
Ammunition and Explosives - Ashore, NAVSEA OP-5	Hard copy	8		Pending
Conventional Weapons Loading Checklist, A1-F18AE-LWS-610	Hard copy	6		Pending
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	6		Pending
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	6		Pending

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: Strike Fighter Weapons School Pacific (SFWSP)
LOCATION, UIC: NAS Lemoore, 35185
CIN, COURSE TITLE: E-646-0640, F/A-18 Weapons Release and Loading
 E-646-0647, F/A-18 Conventional Weapons Release Systems Test

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
F/A-18 Aircraft Airborne Weapons/Stores Loading Manual, A1-F18AC-LWS-000	Hard copy	8		On-hand
Conventional Weapons Loading Checklist, A1-F18AE-LWS-610	Hard copy	8		On-hand
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 3	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 4	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	8		On-hand
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	8		On-hand
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	8		On-hand
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	8		On-hand

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: Strike Fighter Weapons School Atlantic (SFWSL)
LOCATION, UIC: NAS Oceana
CIN, COURSE TITLE: D-646-0640, F/A-18 Weapons Release and Loading
 D-646-0647, F/A-18 Conventional Weapons Release System Test

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
F/A-18 Aircraft Airborne Weapons/Stores Loading Manual, A1-F18AC-LWS-000	Hard copy	8		On-hand
Conventional Weapons Loading Checklist, A1-F18AE-LWS-610	Hard copy	8		On-hand
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 3	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 4	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	8		On-hand
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	8		On-hand
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	8		On-hand
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	8		On-hand

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: MTU 1039 NAMTRAGRUDET

LOCATION, UIC: NAS Oceana

CIN, COURSE TITLE: D-646-9947, F/A-18 Stores Management Integrated Organizational Maintenance

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
F/A-18 Aircraft Airborne Weapons/Stores Loading Manual, A1-F18AC-LWS-000	Hard copy	8		On-hand
Conventional Weapons Loading Checklist, A1-F18AE-LWS-610	Hard copy	8		On-hand
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 3	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 4	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	8		On-hand
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	8		On-hand
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	8		On-hand
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	8		On-hand

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: MTU 1038 NAMTRAGRUDET

LOCATION, UIC: NAS Lemoore, 66060

CIN, COURSE TITLE: E-646-9947, F/A-18 Stores Management Integrated Organizational Maintenance

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
F/A-18 Aircraft Airborne Weapons/Stores Loading Manual, A1-F18AC-LWS-000	Hard copy	8		On-hand
Conventional Weapons Loading Checklist, A1-F18AE-LWS-610	Hard copy	8		On-hand
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 3	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 4	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	8		On-hand
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	8		On-hand
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	8		On-hand
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	8		On-hand

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: MTU 4030 NAMTRAGRUDET
LOCATION, UIC: NAS Mayport, 66069
CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missile "I" Maintenance
 C-646-4109, Weapons Dept Air Launched Weapons General Ordnance

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
Airborne Weapons Packaging/Handling/Storage Shipboard Vol. 2, NA 11-120A-1.2	Hard copy	8		On-hand
Airborne Weapons/Stores Checklist Transporting and Loading Equipment Configuration (Shore based), NA 19-95-1	Hard copy	8		On-hand
NAVSEA OP-4, Ammunitions and Explosives Afloat	Hard copy	8		On-hand
USN Handling Equipment Afloat, NA 19-100-2	Hard copy	8		On-hand
Airborne Weapons/Stores Checklist Transporting and Loading, NA 19-95-3	Hard copy	8		On-hand
Ammunitions and Explosives Ashore, NAVSEA OP-5	Hard copy	8		On-hand
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 3	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 4	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	8		On-hand
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	8		On-hand
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	8		On-hand
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	8		On-hand

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: MTU 4032 NAMTRAGRUDET
LOCATION, UIC: NAS Norfolk, 66046
CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missile "I" Maintenance
 C-646-4109, Weapons Dept Air Launched Weapons General Ordnance

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
Airborne Weapons Packaging/Handling/Storage Shipboard Vol. 2, NA 11-120A-1.2	Hard copy	8		On-hand
Airborne Weapons/Stores Checklist Transporting and Loading Equipment Configuration (Shore based), NA 19-95-1	Hard copy	8		On-hand
NAVSEA OP-4, Ammunitions and Explosives Afloat	Hard copy	8		On-hand
USN Handling Equipment Afloat, NA 19-100-2	Hard copy	8		On-hand
Airborne Weapons/Stores Checklist Transporting and Loading, NA 19-95-3	Hard copy	8		On-hand
Ammunitions and Explosives Ashore, NAVSEA OP-5	Hard copy	8		On-hand
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 3	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 4	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	8		On-hand
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	8		On-hand
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	8		On-hand
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	8		On-hand

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: MTU 4033 NAMTRAGRUDET
LOCATION, UIC: NAS North Island, 66065
CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missile "I" Maintenance
 C-646-4109, Weapons Dept Air Launched Weapons General Ordnance

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
Airborne Weapons Packaging/Handling/Storage Shipboard Vol. 2, NA 11-120A-1.2	Hard copy	8		On-hand
Airborne Weapons/Stores Checklist Transporting and Loading Equipment Configuration (Shore based), NA 19-95-1	Hard copy	8		On-hand
NAVSEA OP-4, Ammunitions and Explosives Afloat	Hard copy	8		On-hand
USN Handling Equipment Afloat, NA 19-100-2	Hard copy	8		On-hand
Airborne Weapons/Stores Checklist Transporting and Loading, NA 19-95-3	Hard copy	8		On-hand
Ammunitions and Explosives Ashore, NAVSEA OP-5	Hard copy	8		On-hand
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 3	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 4	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	8		On-hand
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	8		On-hand
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	8		On-hand
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	8		On-hand

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: MTU 4035 NAMTRAGRUDET
LOCATION, UIC: NAS Whidbey Island, 66058
CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missile "I" Maintenance
 C-646-4109, Weapons Dept Air Launched Weapons General Ordnance

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
Airborne Weapons Packaging/Handling/Storage Shipboard Vol. 2, NA 11-120A-1.2	Hard copy	8		On-hand
Airborne Weapons/Stores Checklist Transporting and Loading Equipment Configuration (Shore based), NA 19-95-1	Hard copy	8		On-hand
NAVSEA OP-4, Ammunitions and Explosives Afloat	Hard copy	8		On-hand
USN Handling Equipment Afloat, NA 19-100-2	Hard copy	8		On-hand
Airborne Weapons/Stores Checklist Transporting and Loading, NA 19-95-3	Hard copy	8		On-hand
Ammunitions and Explosives Ashore, NAVSEA OP-5	Hard copy	8		On-hand
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 3	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 4	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	8		On-hand
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	8		On-hand
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	8		On-hand
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	8		On-hand

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: VMAT-203 FREST
LOCATION, UIC: MCAS Cherry Point, 45483
CIN, COURSE TITLE: M-646-7026, Aircraft Ordnance Intermediate Maintenance

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
Airborne Weapons Packaging/Handling/Storage Shipboard Vol. 2, NA 11-120A-1.2	Hard copy	8		On-hand
Airborne Weapons/Stores Checklist Transporting and Loading Equipment Configuration (Shore based), NA 19-95-1	Hard copy	8		On-hand
NAVSEA OP-4, Ammunitions and Explosives Afloat	Hard copy	8		On-hand
USN Handling Equipment Afloat, NA 19-100-2	Hard copy	8		On-hand
Airborne Weapons/Stores Checklist Transporting and Loading, NA 19-95-3	Hard copy	8		On-hand
Ammunitions and Explosives Ashore, NAVSEA OP-5	Hard copy	8		On-hand
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 3	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 4	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	8		On-hand
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	8		On-hand
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	8		On-hand
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	8		On-hand

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: NAVSCOLEOD
LOCATION, UIC: Eglin AFB, 30446
CIN, COURSE TITLE: A-431-0011, EOD Phase II (Navy)

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVSEA OP-5, Ammunitions and Explosives Ashore	Hard copy	8		On-hand
Airborne Weapons/Stores, NA 19-95-3	Hard copy	8		On-hand
F/A-18 Aircraft Airborne Weapons/Stores Loading Manual, A1-F18AC-LWS-000	Hard copy	8		On-hand
Conventional Weapons Loading Checklist, A1-F18AE-LWS-610	Hard copy	8		On-hand
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 3	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 4	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	8		On-hand
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	8		On-hand
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	8		On-hand
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	8		On-hand

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: EODTEU ONE
LOCATION, UIC: NAS Barbers Point, 30202
CIN, COURSE TITLE: G-431-0001, EOD Pre-deployment Team Training
 G-431-0003, EOD Shore Detachment Training
 G-431-0005, EOD Mobile Team Training

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVSEA OP-5, Ammunitions and Explosives Ashore	Hard copy	8		On-hand
Airborne Weapons/Stores, NA 19-95-3	Hard copy	8		On-hand
F/A-18 Aircraft Airborne Weapons/Stores Loading Manual, A1-F18AC-LWS-000	Hard copy	8		On-hand
Conventional Weapons Loading Checklist, A1-F18AE-LWS-610	Hard copy	8		On-hand
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 3	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 4	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	8		On-hand
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	8		On-hand
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	8		On-hand
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	8		On-hand

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: EODTEU TWO
LOCATION, UIC: Fort Story, 43505
CIN, COURSE TITLE: G-431-0001, EOD Pre-deployment Team Training
 G-431-0003, EOD Shore Detachment Training
 G-431-0005, EOD Mobile Team Training

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVSEA OP-5, Ammunitions and Explosives Ashore	Hard copy	8		On-hand
Airborne Weapons/Stores, NA 19-95-3	Hard copy	8		On-hand
F/A-18 Aircraft Airborne Weapons/Stores Loading Manual, A1-F18AC-LWS-000	Hard copy	8		On-hand
Conventional Weapons Loading Checklist, A1-F18AE-LWS-610	Hard copy	8		On-hand
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 3	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 4	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	8		On-hand
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	8		On-hand
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	8		On-hand
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	8		On-hand
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	8		On-hand

PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
PDA	Conduct Analysis of MPT Requirements	Jul 87	Completed
PDA	Distribute Draft NTP to for Review	Mar 89	Completed
PDA	Submit Proposed NTP to OPNAV	Oct 90	Completed
DCNO (MP&T)	Approve and Promulgate NTP	Dec 90	Completed
OPTEVFOR	Conduct OPEVAL (AGM-154A)	FY94	Completed
TSA	Award Factory Training and Curriculum Material Contract	Jul 95	Completed
PDA	Award Production Contract (LRIP)	Oct 95	Completed
PDA	Promulgate ILS Master Plan	Nov 95	Completed
DCNO/DMSO (MP&T)	Conduct NTSP Update Conference	As required	Not Required
OPTEVFOR	Conduct OPEVAL (AGM-154B)	FY01	Pending
NMPC	Program for Officer Training	Jan 97	Completed
TSA	Conduct Initial Training	FY98	Completed
TSA	Deliver Curricula Materials	Aug 98	Completed
TA	Conduct Follow-On Training	Aug 98	Completed
PDA	Achieve Fleet Initial Operational Capability (AGM-154A)	Jan 99	Completed
OPTEVFOR	Conduct OPEVAL (AGM-154C)	FY01	Pending

PART VI - DECISION ITEMS/ACTION REQUIRED

DECISION ITEM OR ACTION REQUIRED	COMMAND ACTION	DUE DATE	STATUS
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No Action Items Pending

PART VII - POINTS OF CONTACT

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