DRAFT

NAVY TRAINING SYSTEM PLAN

FOR THE

AGM-88 HARM SYSTEM

N88-NTSP-A-50-8101B/D

JUNE 1998

AGM-88 HARM SYSTEM

EXECUTIVE SUMMARY

The AGM-88 High-Speed Anti-Radiation Missile (HARM) System was developed in the 1980s as an air-to-ground medium range missile designed to detect, attack, and suppress enemy radar installations. It was developed for the Navy, Marine Corps, and Air Force with the Navy as the lead service. The AGM-88 HARM System evolved from the AGM-45 Shrike and AGM-78 Standard Arm missiles, incorporating the more desirable features of each while providing additional features and enhanced capabilities. The AGM-88 HARM Missile is in Phase III, Production, Fielding/Deployment, and Operational Support, of the Weapons System Acquisition Process.

The AGM-88 HARM Missile consists of a guidance section, warhead section, control section, rocket motor section, wings, and fins. The three versions of the AGM-88 HARM Missile being used are the AGM-88A, AGM-88B, and the AGM-88C. All three versions are compatible with Navy and Marine Corps FA-18 and EA-6B aircraft and with Air Force F-16 aircraft. Configurations of the AGM-88 HARM Missile consist of changes in hardware and software referred to as Block I, Block II, Block III, and Block IV. Configurations include: AGM-88A Block I and Block II, AGM-88B Block II and III, and AGM-88C Block IV. Initial Operating Capability was attained in 1983 for the AGM-88A, 1990 for the AGM-88B, and 1994 for the AGM-88C.

The AGM-88 HARM Missile maintenance concept is based on an overall objective to assure All-Up-Rounds 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 the organizational, intermediate, and depot levels of maintenance as defined in the Naval Airborne Weapons Maintenance Program, OPNAVINST 8600.2B. Workload associated with AGM-88 HARM Missile does not increase existing manning levels.

The HARM Missile training concept is divided into organizational and intermediate level maintenance based on OPNAVINST 8600.2B. Operator training is provided to aviators, Weapons System Officers (WSOs), and Electronic Countermeasures Officers (ECMOs) at the appropriate Fleet Replacement Squadron (FRS) and platform weapons school. Organizational level training is provided to maintenance personnel at the appropriate Maintenance Training Unit (MTU) and Fleet Replacement Enlisted Skills Training (FREST) activity. Intermediate level maintenance personnel are trained at the appropriate MTU.

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LIST OF ACRONYMS

AIMD	Aircraft Intermediate Maintenance Department
AMIST	Aviation Maintenance In-Service Training
AMTCS	Aviation Maintenance Training Continuum System
AO	Aviation Ordnanceman
AUR	All-Up-Round
BUPERS	Bureau of Naval Personnel
CAI	Computer Aided Instruction
CANTRAC	Catalog of Navy Training Courses
CATM	Captive Air Training Missile
CBT	Computer-Based Training
CEST	Classroom Explosive Ordnance Disposal System Trainer
CIN	Course Identification Number
CINCLANTFLT	Commander in Chief, Atlantic Fleet
CINCPACFLT	Commander in Chief, Pacific Fleet
CMC	Commandant of the Marine Corps
CMI	Computer Managed Instruction
CNO	Chief of Naval Operations
COMNAVAIRESFOR	Commander, Naval Air Reserve Force
CWTPI	Conventional Weapon Technical Proficiency Inspection
DATM	Dummy Air Training Missile
DOP	Designated Overhaul Point
DT	Developmental Test
ECMO	Electronic Countermeasures Officer
ELCOMWEPSCOL	Electronic Combat Weapons School
EOD	Explosive Ordnance Disposal
EODTEU	EOD Training and Evaluation Unit
FMS	Foreign Military Sales
FREST	Fleet Replacement Enlisted Skills Training
FRS	Fleet Replacement Squadron
HARM	High-Speed Anti-Radiation Missile
ICAP	Improved Capability

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LIST OF ACRONYMS

ICW	Interactive Courseware
IOC	Initial Operating Capability
MAG	Marine Air Group
MALS	Marine Aviation Logistics Squadrons
MATMEP	Maintenance Aviation Training Management and Evaluation Program
MCAS	Marine Corps Air Station
MCO	Marine Corps Order
MOS	Military Occupational Specialty
MSD	Material Support Date
MTIP	Maintenance Training Improvement Program
MTS	Missile Test Set
MTU	Maintenance Training Unit
NA	Not Applicable
NAMTRAGRU DET	Naval Air Maintenance Training Group Detachment
NAS	Naval Air Station
NATSF	Naval Air Technical Services Facility
NAVAIRSYSCOM	Naval Air Systems Command
NAVSCOLEOD	Naval School, Explosive Ordnance Disposal
NAVAIRWARCENWPNDIV	Naval Air Warfare Center Weapons Division
NAVSURFWARCEN	Naval Surface Warfare Center
NAWMU	Naval Airborne Weapons Maintenance Unit
NEC	Navy Enlisted Classification
NS	Naval Station
NTSP	Navy Training System Plan
NWS	Naval Weapons Station
OLSP	Operational Logistics Support Plan
OPNAVINST	Office of the Chief of Naval Operations Instruction
OPO	OPNAV Principal Officer
OT	Operational Test
PEST	Practical Explosives Ordnance Disposal System Trainer
PMA	Program Manager, Air
PQS	Personnel Qualification Standards
PSE	Peculiar Support Equipment

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LIST OF ACRONYMS

PTT	Part Task Trainer
RF	Radio Frequency
RFOU	Ready for Operational Use
RFT	Ready for Training
RSP	Render Safe Procedure
SELRES	Selected Reserve
SFTI	Strike Fighter Tactics Instructor
SFTP	Strike Fighter Training Program
SFTS	Strike Fighter Training System
SFWT	Strike Fighter Weapons and Tactics
SIST	Serviceable In Service Time
SRA	Shop Replaceable Assemblies
STRKFIGHTWPNSCOL	Strike Fighter Weapons School
TD	Training Device
TTE	Technical Training Equipment
USMC	United States Marine Corps
VMAT	Marine Attack Training Squadron
WSO	Weapons System Officer

AGM-88 HARM SYSTEM

PREFACE

This Draft Navy Training System Plan (NTSP) for the AGM-88 High-Speed Anti-Radiation Missile (HARM) System was prepared by Naval Air Systems Command as part of the regular NTSP update process within guidelines set forth in OPNAVINST 1500.8M. This NTSP reflects changes that have occurred since the approved Navy Training Plan, A-50-8101A, AGM-88A HARM Missile, dated 2 May 1994.

The major changes and updates in this NTSP consist of:

PART I   This part shows the deletion of outdated information; incorporation of changes to formal training; updated Training Device allocation listings; identification of "A" School Core and Strand training; "C" School Initial and Career training; deletion and relocation of training sites due to decisions made by the Base Realignment and Closure Commission; and the impacts of Marine Corps Military Occupational Specialty (MOS) consolidations.

PART II   This has been recalculated to depict current billet requirements of fleet support units through FY02.

PART III   In addition to reflecting the changes mentioned above, this part has been recalculated to depict chargeable student billets through FY02.

PART IV   This part has been changed to reflect the changes in training and training logistics support requirements.

PART V   This part has been updated to include the major milestones.

PART VI   This part identifies significant equipment shortfalls at Marine Attack Training Squadron (VMAT) 203 for intermediate training course C-646-3105.

PART VII   This part has been changed to reflect current Points of Contact.

PART I - TECHNICAL PROGRAM DATA

A. TITLE-NOMENCLATURE-PROGRAM

1. Title-Nomenclature-Acronym. AGM-88 High-Speed Anti-Radiation Missile (HARM) System

2. Program Element. 0205601N

B. SECURITY CLASSIFICATION

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

C. MANPOWER, PERSONNEL, AND TRAINING PRINCIPALS

OPNAV Principal Official (OPO) Program Sponsor.............................. CNO (N880D5)

OPO Resource Sponsor .... CNO (N880D5)

Marine Corps Program Sponsor... CMC (ASL-30)

Developing Agency .... PEO (T) (PMA242)

Training Agency .... CINCLANTFLT
CINCPACFLT
CNET
COMNAVAIRESFOR
MCCDC

Training Support Agency .... NAVAIRSYSCOM (PMA205)

Manpower and Personnel Mission Sponsor.................................... CNO (N1)
BUPERS (PERS-4, PERS-22)

Director of Naval Training .... CNO (N7)

Chief of Naval Personnel .... BUPERS (PERS-4, PERS-40)

Marine Corps Combat Development Command
 Manpower Management..TFS Division

D. SYSTEM DESCRIPTION

1. Operational Uses. The AGM-88 High Speed Anti-Radiation Missile (HARM) System; referred to, in this document, as the AGM-88A, AGM-88B, or AGM-88C when describing each specific configuration, or the HARM Missile when referring to all configurations, was developed as an air-to-ground missile used to suppress or destroy enemy land or sea-based radar emitters. It is intended for use against radar-guided Surface-to-Air Missile systems, Anti-Aircraft Artillery systems, and other land and sea-based electromagnetic emitters. The HARM Missile has a broadband capability that enables a single missile to engage any anticipated air defense or associated surface radar. It is currently carried on Navy and Marine Corps FA-18 and EA-6B aircraft. The Air Force employs the HARM Missile on F-16 aircraft.

2. Foreign Military Sales. The HARM Missile has been sold to the Federal Republic of Germany, Italy, Spain, Hellenic Air Force (Greece), Turkey, and South Korea. For more information on Foreign Military Sales (FMS) refer to Program Manager, Air (PMA) 242.

E. DEVELOPMENTAL TEST AND OPERATIONAL TEST.

Navy AGM-88A Developmental Test (DT) was completed in October 1980, and Operational Test (OT) was completed in November 1982. AGM-88B Block II DT was completed in August 1986 and Following On Test and Evaluation was completed in August 1987. AGM-88B Block III DT and OT were completed in December 1989. AGM-88C DT-IIIA was completed in July 1989, DT-IIIB was completed in October 1991, and OT-IIIA was completed in May 1993.

F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED.

Not Applicable (NA).

G. DESCRIPTION OF NEW DEVELOPMENT

1. Functional Description. The HARM Missile is a rail-launched, supersonic, passive homing, air-to-ground missile capable of detecting, acquiring, and destroying hostile Radio Frequency (RF) emitters. Elements of the HARM Missile System include the missile, launch aircraft and associated avionics systems, and launcher. The HARM Missile receives target parameters from the launch aircraft prior to launch. The HARM Missile uses these parameters and relevant attitude data to process incoming RF energy to acquire and guide the HARM Missile to the desired target. Additional unique features include the high speed, low smoke, rocket motor and seeker sensitivity that enable the missile to easily attack sidelobes and backlobes of an emitter. The following provides functional descriptions for each section of the HARM Missile and significant enhancements.

a. Guidance Section. Several modifications have been made to the HARM Guidance section through hardware modifications and software upgrades.

(1) Hardware Configurations. The AGM-88A was the first version of the missile to be produced. It incorporated a fuzable-link memory that required the guidance section to be returned to the manufacturer to change the Tactical software. The AGM-88B missile was developed in the mid 1980s and incorporated an electronically reprogrammable memory that allowed changing the missile software in the field. The AGM-88C missile is the latest version and incorporates several new design features and is also reprogrammable in the field.

(2) Software Versions. Block I software was the original Tactical software used with the AGM-88A missile. Block II software provided guidance and fuzing improvements and was used in both AGM-88A missiles and AGM-88B missiles. In 1990 Block III software was installed in AGM-88B missiles to counter the capabilities of the advanced threats. All AGM-88C missiles contained Block IV software which is currently the latest version.

b. Warhead Section. The warhead section is designed to inflict sufficient damage on the target antenna and waveguide system to force an inoperative condition. It also ensures complete destruction of the HARM Missile guidance section.**.** The AGM-88A, and AGM-88B warhead section contains 25,000 pre-formed steel fragments, an explosive charge, a fuze, and a fuze booster. The AGM-88C utilizes an improved warhead section containing 12,845 tungsten fragments and an improved explosive charge which provides greater overall lethality.

c. Control Section. The control section of the HARM Missile is located aft of the warhead section. The control section contains wing actuators to steer the missile on a desired trajectory, missile captive and free flight electrical power supply equipment, attitude reference equipment, and the missile target detection device. An umbilical connector mounted on top of the control section provides electrical interface between the launch aircraft and the missile.

d. Rocket Motor Section. Thrust for the HARM Missile is developed by a dual thrust rocket motor utilizing a low smoke propellant. The section contains a manually operated safety-arming device, igniter, propellant grain, and a fixed nozzle. External components on the rocket motor section consist of fittings for the fins, launch lugs, and a detent rib.

e. Wings. The wings direct the course of the HARM Missile in flight by internally controlled actuators within the control section. Four wings are required per missile.

f. Fins. The BSU-60/B and BSU-60A/B fins are identical type fins except for a redesigned locking mechanism. They are interchangeable as sets. The fins provide aerodynamic stability of the HARM Missile during flight.

2. Physical Description. The dimensions and weight of the HARM Missile are as follows:

Length	164 inches
Diameter	10 inches
Wing span	44 inches
Fin span	24 inches
Weight..........	810 pounds

3. New Development. The HARM Missile was introduced as new production. The HARM Missile is in Phase III (Production, Fielding/Deployment, and Operational Support) of the Weapon System Acquisition Process. AGM-88A was introduced to the fleet and achieved Initial Operating Capability (IOC) in FY83. AGM-88B was introduced to the fleet and achieved IOC in FY86. The AGM-88C was introduced into the fleet and achieved IOC FY94.

4. Significant Interfaces

    a. Avionics. The HARM missile interfaces with the Command Launch Computer on the FA-18 aircraft and the HARM Control Panel on the EA-6B aircraft.

    b. Launcher. The LAU-118(V)2A launcher provides the launch platform for the HARM missile. The launcher provides the electrical and mechanical link between the aircraft pylon and the missile.

5. New Features, Configurations, or Material. The Block IIIA/V software upgrade for the AGM-88B missile is currently in development.

H. CONCEPTS

1. Operational Concept. The HARM Missile is employed in air to ground combat missions by the aircrew.

2. Maintenance Concept. Maintenance of the HARM Missile employed on the FA-18 and EA-6B aircraft is accomplished using the basic maintenance philosophy outlined in OPNAVINST 4790.2F, and specific weapons maintenance instructions outlined in OPNAVINST 8600.2B.

    a. Organizational. Organizational level maintenance units receive the HARM Missile as an All-Up-Round (AUR). Organizational level maintenance is performed in Work Center 230, which is manned by Navy Aviation Ordnanceman (AO) with Navy Enlisted Classifications (NECs) 8332 (EA-6B), 8342 (FA-18), and 8842 (FA-18) or Marine Corps Aviation Ordnance Technicians, MOS 6531 and 6511 (EA-6B and FA-18). Organizational level maintenance tasks include:

- Aircraft and weapon system inspections

- Aircraft and weapon system release and control system checks
- Weapon uploading and downloading
- Weapon arming and de-arming
- On aircraft weapon test
- Discrepancy reporting
- Complying with Technical Directives
- Record keeping and reporting

b. Intermediate. Intermediate Maintenance Activities' Weapons Departments (shipboard, Naval Air Stations (NAS), and Marine Aviation Logistics Squadrons (MALS)) receive AURs from the Naval Weapons Station (NWS), Marine Corps Air Station (MCAS), or Naval Airborne Weapons Maintenance Unit (NAWMU) and launchers from the supply system or Aircraft Intermediate Maintenance Department (AIMD). HARM Missile maintenance is performed by Weapons Department Navy AO personnel with NEC 6801 and Marine Corps personnel with MOS 6541 and 6511. AIMD Work Center 710 Navy AO personnel with NECs 6802 and 6803 and Marine Corps personnel with MOS 6541 and 6511 functionally test the launchers. Weapons Department intermediate level maintenance tasks include:

- Visual inspection for damage and corrosion
- Performing corrosion control
- De-canning and canning of AUR
- Installing and removing wings and fins
- Ready service inspection
- Record keeping and reporting
- Preparing AUR for shipping or storage
- Installing and removing LAU-118(V)2A Launcher
- Technical Directive implementation
- Delivering missile to organizational activity

c. Depot. OPNAVINST 8600.2B divides depot level into two sub-levels of maintenance: NWS and Designated Overhaul Point (DOP).

(1) Naval Weapons Station. NWS Seal Beach (Fallbrook Annex), California, and NWS Yorktown, Virginia are the depot level AUR maintenance activities for the HARM Missile. NWSs also serve as the DOPs for containers, wings, and fins. NWS maintenance tasks include:

- Visual inspection for damage and corrosion
- Fault isolation by AUR test to faulty section
- Repair by replacement of failed sections and external components
- Performing corrosion control
- Containerizing AUR for storage or loadout
- Technical Directive implementation

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- Recertification of AUR by retest
- Record keeping and reporting
- Minor container repair

   (2) Designated Overhaul Point. The DOP is responsible for maintenance beyond the capabilities of the NWS (depot level AUR) activities, including major overhaul or complete rebuild of sections or subassemblies required to restore defective sections and repairable Shop Replaceable Assemblies (SRA) to original acceptance standards. Depot level maintenance is performed on sections, assemblies, and subassemblies. Serviceable sections and components repaired by the DOP are returned to the NWS. The DOP for rocket motors is Naval Surface Warfare Center (NAVSURFWARCEN) Indian Head, Maryland. Texas Instruments, Lewisville, Texas, is serving as the DOP for the HARM Missile guidance and control sections and Peculiar Support Equipment (PSE).

   d. Interim Maintenance. NA. The Material Support Date (MSD) for the HARM Missile was October 1983.

   e. Life-Cycle Maintenance Plan. The Serviceable In Service Time (SIST) defines an interval during which a missile or missile component is in a serviceable condition. SIST for the HARM Missile is 60 months after testing at the NWS.

   3. Manning Concept. The HARM Missile has no impact on existing manpower requirements at organizational, intermediate, or depot level activities. Pilot, Weapons System Officer (WSO), and Electronic Countermeasures Officer (ECMO) manpower is driven by seat factor and crew ratio. Enlisted manning for Navy and Marine Corps fleet squadrons, Fleet Readiness Squadrons (FRS), and intermediate maintenance activities is based on the total assigned workload, not only on specific HARM Missile requirements. Skills required to support the HARM Missile are considered to be within the capability of existing NECs and MOSs. Refer to Part II for existing Navy and Marine Corps intermediate maintenance manpower requirements.

   4. Training Concept. The HARM Missile training concept is divided into organizational and intermediate levels. Organizational level training is provided to aircrew and maintenance personnel. Operator training is provided for aviators, WSOs, and ECMOs at the appropriate FRS and Platform Weapons Schools. Organizational level maintenance training is provided to AO personnel in the EA-6B community with NEC 8332; in the FA-18 community with NECs 8342 and 8842 and MOSs 6531 and 6511 at the appropriate Maintenance Training Units (MTUs) and Fleet Replacement Enlisted Skills Training (FREST) activity. Intermediate level training is provided to Navy maintenance personnel with NEC 6801 and Marine Corps personnel with MOS 6541 and 6511 at the appropriate MTU or FREST activity.

   Recently, Navy "A" Schools (Initial Skills) and "C" Schools (Aircraft and Systems) have implemented a Just-In-Time Training Continuum concept. For the "A" Schools, this new concept divides source rating courses into core and strand segments. Core courses include general knowledge and skills training for the particular rating, while strand courses focus on more

specialized training requirements for that rating specific to an aircraft or system or maintenance activity. To obtain the AO source rating, all students must take the AO core course and either the AO Airwing strand course or the AO Ship/Shore strand course. For the "C" Schools this new concept establishes initial or component NECs and career or primary NECs and curricula to support them. Upon graduation from "A" School, graduates attend appropriate "C" School initial organizational level courses, then upon completion are assigned an initial (component) NEC and detailed to a Fleet unit for duty. Following their first tour and upon re-enlistment, Petty Officers 2nd Class (E-5) and higher return to "C" Schools to attend career organizational level or intermediate level courses, graduates are assigned their primary NEC. 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 FRSs.

       a. Initial Training. All initial training has been completed. No further initial training is planned.

       b. Follow-on Training. Follow-on training for the HARM Missile is available as part of courses taught at FRSs, MTUs, FREST facilities, Electronic Combat Weapons School (ELCOMWEPSCOL), Marine Aviation Weapons Tactics, School-One (MAWTS-1), and Strike Fighter Weapons Schools (STRKFIGHTWPNSCOL). The HARM Missile causes no change in student throughput or chargeable student billets. Follow-on training courses have all been modified to include the HARM Missile and are currently on-line.

       (1) Operator Training. Aviators, WSOs, and ECMOs get basic training at the appropriate FRS for specific aircraft operation. Operator skills in tactics and ordnance delivery are taught at the STRKFIGHTWPNSCOLs and ELCOMWEPSCOL and through Aviator/Squadron proficiency training. The Strike Fighter Training Program (SFTP) is a new strategy designed to support fleet aircrew training requirements. The SFTP consists of the Strike Fighter Weapons and Tactics (SFWT) syllabus, Strike Fighter Tactics Instructor (SFTI) and Strike Fighter Training System (SFTS). The SFTP is used to accomplish the following:

- Organize existing training efforts,
- Target training efforts toward a standardized set of Strike Fighter learning objectives,
- Develop appropriate high quality, standardized training media, and
- Distribute the training media throughout the community for presentation..

       The EA-6B community has recently initiated similar training called Prowler Tactics Instructor (PTI).

Training Devices (TDs) required for follow-on and proficiency operator training include the Part Task Trainer (PTT), the Captive Air Training Missile (CATM).

- **Part Task Trainer.** The PTT is a computer-based system developed by the Naval Air Warfare Center Weapons Division (NAVAIRWARCENWPNDIV) China Lake for use by FA-18 aviators. The PTT provides missile and operational procedures familiarization as well as proficiency training in launch and control techniques.

- **Interactive Courseware (ICW)/Computer Aided Instruction (CAI).** These media are in development to aid in initial aircrew instruction and proficiency training. The CAI is designed for use on the Strike Fighter Training System and the Naval Strike Air Warfare Center secure training networks, in addition to stand alone personal computers with CD ROM capability.

- **Captive Air Training Missile.** The CATM-88A/B/C are now in fleet use and are physically identical to the AGM-88A/B/C tactical missiles except for the warhead and rocket motor which are both inert. These training missiles are used to train aircrews in recognition and acquisition of targets.

For detailed information on TDs and Training Aids refer to elements IV.A.2 and IV.B.2. The following table lists the applicable operator training courses . The HARM Missile source material has been incorporated in these courses with minimal impact. The HARM Missile causes no change in student throughput or chargeable student billets and therefore, these courses will not appear in Parts II and III.

COURSE NUMBER	COURSE TITLE	RFT DATE INCLUDING HARM
E-2A-1815	EA-6B ICAP II Fleet Replacement Pilot Category 1	On-line
E-2A-1816	EA-6B ICAP II Fleet Replacement Pilot Category 2	On-line
E-2A-1817	EA-6B ICAP II Fleet Replacement Pilot Category 3	On-line
E-2A-1818	EA-6B ICAP II Fleet Replacement Pilot Category 4	On-line
E-2A-1819	Medium Attack Strike Training	On-line
E-2D-1817	EA-6B ICAP II Fleet Replacement ECMO Category 1	On-line
E-2D-1818	EA-6B ICAP II Fleet Replacement ECMO Category 2	On-line
E-2D-1819	EA-6B ICAP II Fleet Replacement ECMO Category 3	On-line
E-2D-1820	EA-6B ICAP II Fleet Replacement ECMO Category 4	On-line
D/E-2A-0601	FA-18 Fleet Replacement Pilot Category 1	On-line
D/E-2A-0602	FA-18 Fleet Replacement Pilot Category 2A	On-line
D/E-2A-0604	FA-18 Fleet Replacement Pilot Category 3A	On-line
D/E-2A-0606	FA-18 Fleet Replacement Pilot Category 4	On-line
None (USMC)	FA-18 Fleet Replacement Pilot Category 1	On-line
None (USMC)	FA-18 Fleet Replacement Pilot Category 2	On-line
None (USMC)	FA-18 Fleet Replacement Pilot Category 3	On-line

None (USMC)	FA-18 Fleet Replacement Pilot Category 4		On-line
None (USMC)	FA-18 (WSO) Category 1		On-line
None (USMC)	FA-18 (WSO) Category 2		On-line
None (USMC)	FA-18 (WSO) Category 3		On-line
None (USMC)	FA-18 (WSO) Category 4		On-line

(2) Organizational Maintenance. Organizational level maintenance personnel are trained at the appropriate MTU or FREST for specific aircraft maintenance. Weapon loading skills are further enhanced at ELCOMWEPSCOL, SRKFIGHTWPNSCOL and through on-board proficiency training. TDs required for follow-on and proficiency training include the CATM and the DATM.

- **Dummy Air Training Missile.** The DATM is a mechanical model of the HARM Missile and is capable of simulating ground and shipboard handling procedures for the purpose of load crew training. The control section and guidance section are externally the same as the tactical missile but are ballast weighted. The warhead and rocket motor are identical to the warhead and rocket motor used in the CATM except for a color band. The design includes the capability to remove and replace wings and fins, to connect and disconnect the umbilical cable, and to simulate rocket motor arming and de-arming. The DATM is not certified for flight.

- **Dummy Guidance Section.** The dummy guidance section (WGU-2(D-2)/A) provides a non-functioning guidance section with the same shape, weight, and center of gravity as the WGU-2/B. It is used with the DATM.

- **Dummy Control Section.** The dummy control section (WCU-2(D-2)/A) provides a non-functioning control section with the same shape, weight, and center of gravity as the WCU-2/B. It is used with the DATM. It also has an umbilical cable and training target detector.

For detailed information on TDs refer to element IV.A.2. The HARM Missile is taught in "A" school and in the following organizational level maintenance training courses. HARM Missile source material has been incorporated in these courses with minimal impact. The HARM Missile causes no change in student throughput or chargeable student billets and therefore, these courses will not appear in Part II and III.

COURSE NUMBER	COURSE TITLE	TRACK NUMBER	RFT DATE INCLUDING HARM
C-646-9741	EA-6B Armament Systems Organizational Maintenance	D/E-646-1840	On-line
E-646-1842	EA-6B HARM Loading		On-line

RFT DATE

COURSE NUMBER	COURSE TITLE	TRACK NUMBER	INCLUDING HARM
C-646-9973	FA-18 Stores Management System (Initial) Organizational Maintenance	D/E-646-0653 D/E-646-0654	On-line
D/E-646-0640	FA-18 Conventional Weapons Loading	D/E-646-0641 D/E 646-0653 D/E 646-0654	On-line
C-646-9974	FA-18 Stores Management System Organizational Maintenance (Career)	D/E-646-0641	On-line
D/E-646-0647	FA-18 Conventional Release System Test	D/E-646-0653	On-line

          (3) Intermediate Maintenance. Intermediate maintenance training is available for Navy and Marine Corps Aviation Ordnance personnel through the appropriate MTU or FREST. The TD required for intermediate maintenance training is the DATM. For detailed information refer to element IV.A.2.

          The following courses have been updated to include HARM Missile data:

Title	**Air Launched Guided Missiles Intermediate Maintenance**
CIN	C-122-3111 (part of D/E-646-7007)
Model Manager...	NAMTRAGRU DET 4030
Description	To provide ordnance personnel with knowledge of the Sparrow, Sidewinder, Phoenix, Sidearm, Shrike, Maverick, Harpoon, SLAM, HARM, Walleye, TALD, and Air Nitrogen Purifier Units.
Locations	MTU 4030, Naval Station (NS) Mayport, Florida
	MTU 4032, NAMTRAGRU DET, NAS Norfolk, Virginia
	MTU 4033, NAMTRAGRU DET, NAS North Island, California
Length	11 days
RFT date	Currently available
Skill identifier	6801 awarded upon completion of track D/E-646-7007
TTE/TD	DATM
Prerequisite	C-646-2013, Aviation Ordnanceman Ship's Company Strand Class A1.

Title	**Aviation Ordnance Intermediate Maintenance Technician**
CIN	C-646-3105 (part of M-646-7026)
Model Manager ...	VMAT-203
Description	To provide ordnance personnel with knowledge required by USMC personnel working on ordnance/armament in the AIMD environment.
Location	VMAT-203 FREST, MCAS Cherry Point, North Carolina

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Length .................  93 days
RFT date .............  Currently available
Skill identifier ......  MOS 6541 award upon completion of track D/E-646-7026
TTE/TD ..............  DATM
Prerequisites ........  C-646-2012, Aviation Ordnanceman Airwing Strand Class A1.
                        Confidential Clearance.
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NOTE: C-646-3105, Aviation Ordnance Maintenance Technician, as part of track M-646-7026, is currently 93 days long. During the initial teaching, the instructors from VMAT-203 identified areas where time could possibly be deleted from C-646-3105 without compromising the contents of the course. The Instructional Systems Development Group, attached to VMAT-203, will evaluate this information and determine what will be deleted from C-646-3105. If this course is reduced in length, it will reduce average-on-board and chargeable student billet requirements. Updated information about this course will be included into this NTSP when the appropriate decisions are made available.

(4) **Explosive Ordnance Disposal Training.** Explosive Ordnance Disposal (EOD) Training is conducted at NAVSURFWARCEN, Indian Head. EOD Pre-deployment team training is conducted at NAS Barbers Point, Hawaii and Fort Story, Virginia. The TDs required for EOD training are the Practical Explosives Ordnance Disposal System Trainer (PEST) and Classroom EOD System Trainer (CEST):

- **Practical Explosive Ordnance Disposal System Trainer.** The HARM PEST is a full scaled model fabricated from actual hardware, having approximately the same weight and center of gravity as the tactical missile. The PEST is used for teaching Rendering Safe Procedure (RSP).

- **Classroom EOD System Trainer.** The CEST is a cut-away model displaying locations and types of explosive/hazardous materials, initiators, igniters, and fuses. All explosive components are inert.

For further details on TDs see element IV.A.2. The following courses have been revised to include RSP and disposal of the HARM Missile.

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Title ...................  EOD Phase II (Navy)
CIN ...................  A-431-0011
Model Manager...  Naval School, Explosive Ordnance Disposal
                       (NAVSCOLEOD)
Description ........  To provide training in the best methods and procedures for
                       recovery, evaluation, and disposal of surface and underwater
                       explosive ordnance, nuclear weapons, and diving techniques
                       related to EOD.
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Location	NAVSCOLEOD, NAVSURFWARCEN Indian Head, MD
Length	201 days
RFT date	Currently available
Skill identifiers....	NEC 5332, Navy Officer Billet Code 9230
TTE/TD	PEST
Prerequisite	Extensive; see CANTRAC for detailed listing.

Title	**EOD Phase II**
CIN	A-431-0012
Model Manager...	NAVSCOLEOD, Indian Head
Description	To provide training in the best methods and procedures for safe identification, recovery, evaluation and disposal of all conventional surface explosive ordnance and nuclear ordnance.
Location	NAVSCOLEOD, NAVSURFWARCEN Indian Head, MD
Length	106 days
RFT date	Currently available
Skill identifier	MOS 2336
TTE/TD	PEST
Prerequisite	Extensive; see CANTRAC for detailed listing.

Title	**EOD Pre-deployment Team Training**
CIN	G-431-0001
Model Manager...	EOD Technical Evaluation Unit (EOD TEU) TWO
Description.........	To provide advanced and specialized training for established EOD teams and training prior to deployment of shipboard EOD teams.
Locations.............	EODTEU ONE, Barbers Point, Hawaii
	EODTEU TWO, Fort Story, Virginia
Length	41 days
RFT date	Currently available
Skill identifier	None
TTE/TD	PEST
Prerequisite	Extensive; see CANTRAC for detailed listing.

c. Student Profiles

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
AO 6801	C-646-2011, Aviation Ordnance man Common Core Class A1 and C-646-2013, Aviation Ordnance man Ship's Company Strand Class A1.
MOS 6541	C-646-2011, Aviation Ordnanceman Common Core Class A1 and C-646-2012, Aviation Ordnanceman Airwing Strand Class A1.

d. Training Pipelines. The following training tracks apply and are available in the OPNAV Training Management System (OTMS):

TRACK NUMBER	TRACK TITLE
D/E-646-7007	General Shipboard/NAS Weapons Department AVORD Maintenance
M-646-7026	Aircraft Ordnance Technician IMA

I. ON-BOARD (IN-SERVICE) TRAINING

      1. Proficiency or Other Training Organic to the New Development. Aviator, Electronics Countermeasures Officer (ECMO), and WSO weapons proficiency training is accomplished in three steps: Academic, Simulator, and Captive Carry:

- **Academic.** Selected squadron aircrewmen receive in-depth classroom weapon training from an appropriate source (contractor, weapons school, etc.) to become the squadron subject matter expert on the HARM Missile. Aircrew then receive academic training within their squadron from the HARM Missile subject matter expert. The ICW/CAI currently under development will be available to provide initial training and supplement the proficiency training offered by the subject matter expert. As an option to this step, all squadron aircrew would attend an academic class held at the appropriate weapons school. The HARM program office at China Lake utilizing subject matter expertise conducts training on a semi-annual basis.

- **Simulator.** The appropriate weapons tactical trainer is set up by the squadron Weapons School for the aircrew to gain required proficiency prior to captive carry of the HARM Missile.

- **Captive Carry.** The CATM is loaded on an aircraft at which time the aircrew gain proficiency and final qualification on the HARM Missile.

The Maintenance Training Improvement Program (MTIP) will be used to establish an effective and efficient training system that is responsive to fleet training requirements. MTIP is a training management tool that, through diagnostic testing, identifies individual training deficiencies at both the organizational and intermediate levels of maintenance. MTIP is the comprehensive testing of one's knowledge. It consists of a bank of test questions that are managed through automated data processing. The Deputy Chief of Staff for Training will assist in the development of MTIP by providing those question banks (software) already developed by the Navy. MTIP will be implemented per OPNAVINST 4790.2F. MTIP will allow 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 will be concentrated where needed to combat identified skill and knowledge shortfalls.

Aviation Maintenance In-Service Training (AMIST) is intended to support the Fleet training requirements now satisfied by MTIP, and in that sense is the planned replacement. However, it is structured very differently, and will function as an integral part of the new Aviation Maintenance Training Continuum System (AMTCS) that will replace the existing aviation maintenance training structure. AMIST will provide standardized instruction to bridge the training gaps between initial and career training. With the implementation of AMIST, the technician will be provided the training required to maintain a level of proficiency necessary to effectively perform the required tasks to reflect a career progression.

AMTCS redesigns the aviation training process (training continuum), and introduces Computer-Based Training (CBT) throughout the Navy technical training process. The application and adoption of recent advances in computer hardware and software technology have enabled CBT with its basic elements of Computer Managed Instruction (CMI), Computer Aided Instruction (CAI), and Interactive Courseware (ICW) to be integrated into the training continuum and provide essential support for standardizing technical training.

2. Personnel Qualification Standards. OPNAVINST 8023.2C outlines requirements for Personnel Qualification Standard (PQS), NAVEDTRA 43202 series. This PQS is required by all personnel who handle Non-nuclear Explosive Ordnance Shipboard Handling and Stowage.

3. Other On-Board or In-service Training Packages. Marine Corps on-board 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 4790.2F, 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 refresher training.

The Conventional Weapon Technical Proficiency Inspection (CWTPI) is a graded inspection administered by either STRKFIGHTWPNSCOL NAS Lemoore ,California or NAS Cecil Field, Florida, for the FA-18 aircraft and ELCOMWEPSCOL, NAS Whidbey Island, Washington, for the EA-6B. The CWTPI covers all areas of conventional weapon load and release, and control systems checks. The inspection evaluates the squadron's ability to correctly 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 STRKFIGHTWPNSCOL for the FA-18 and ELCOMWEPSCOL for the EA-6B, followed by the CWTPI. The CWTPI determines the need for further conventional weapons load training of squadron AO and Aviation Electronics Technician personnel.

The USMC fighter and attack wings 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 on-going Marine Corps evolution that culminates with the Combat Readiness Evaluation. The evaluation determines the need for further conventional weapons load training of squadron personnel.

J. LOGISTICS SUPPORT

1. Manufacturer and Contract Numbers

CONTRACT NUMBER	MANUFACTURER	ADDRESS
N00019-91-C-0003	Texas Instruments Incorporated	PO Box 650311 Dallas, TX 75265

2. Program Documentation. The current Operational Logistic Support Plan (OLSP) is AIR-418 MS-068, Change 11, July 1994.

3. Technical Data Plan. Texas Instruments, the HARM Missile production contractor, will provide peculiar technical manual source data to the Naval Air Technical Services Facility (NATSF), which will promulgate changes into existing HARM Missile manuals. Manuals required for training are currently available and listed in element IV.B.3 of this NTSP.

4. Test Sets, Tools, and Test Equipment. Test sets, tools, and test equipment for organizational and intermediate level maintenance consists of common tools and test equipment.

      a. Intermediate and Depot Level. The following test equipment is utilized at the intermediate and depot level maintenance activities:

NOMENCLATURE	MODEL	USE
Missile Test Set	AN/DSM-160B	Tests AURs and fault isolate to individual missile sections.
Simulator Group Calibration Set	AN/DSM-158A	Performs all RF calibration required to support the missile test set.
Calibration Test Set	AN/DSM-161B	Calibrates the missile test set.

5. Repair Parts. The MSD for the HARM Missile was October 1983. Repair parts are available through the Navy supply system. Normal replenishment procedures based upon demand and usage are used to maintain stock levels of spares, repair parts, and consumables.

6. Human Systems Integration. NA.

K. SCHEDULES

1. Schedule of Events

a. Installation and Delivery Schedules. The HARM Missile inventories and planned delivery schedules contained in the Weapon System Planning Document are classified.

b. Ready For Operational Use Schedule. The HARM Missile is currently Ready for Operational Use.

c. Time Required to Install at Operational Sites. The HARM Missile is delivered to the fleet as an AUR and requires no time to install.

d. Foreign Military Sales and Other Source Delivery Schedule. The HARM Missile has been sold to the Federal Republic of Germany, Italy, Spain, and South Korea. For more information on FMS refer to PMA242.

e. Training Device and Delivery Schedule. Training Missiles are available for captive training and load drill training. DATMs were procured and delivered from 1983 through 1986. For the most up-to-date list of the location of the missiles, a current listing from Conventional Ammunition Integrated Management System should be obtained.

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

M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS. List of NTSPs and other documents which affect, are related to, or were used to develop this NTSP.

DOCUMENT OR NTSP TITLE	DOCUMENT OR NTSP NUMBER	PDA CODE	STATUS
EA-6B ICAP II NTSP	A-50-7904C	PMA234	Approved Dec 96
FA-18 Weapon System NTSP	A-50-7703E	PMA265	Approved Mar 93
FA-18D Weapon System NTSP	A-50-8811B	PMA265	Approved Feb 93
OLSP Change 11	MS-068	AIR-418	Approved Jul 94
HARM Tactical Manual	TM-7912	PMA242	Approved Jun 96

PART II - BILLET AND PERSONNEL REQUIREMENTS

Note 1: This section of the AGM-88 High-Speed Anti-Radiation Missile (HARM) System NTSP is a compilation of one intermediate level NEC and one intermediate level MOS with associated billets. The addition of the AGM-88 HARM System 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 dedicated to the AGM-88 HARM system and therefore the training requirements will remain the same.

Note 2: This section of the AGM-88 High-Speed Anti-Radiation Missile (HARM) NTSP is presented by NEC and MOS for ease of understanding. It was developed to establish the total intermediate level maintenance requirements for the ordnance community. The requirements are to train ordnance personnel in the USN and USMC to receive an NEC or MOS to fill a billet.

II.A. BILLET REQUIREMENTS

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

SOURCE: Navy: Total Force Manpower Management System   DATE: 04/97
SOURCE: USMC: Extract from Table of Manpower Requirements, TFS, MCCDC   DATE: 04/97

ACTIVITY, UIC	PFYs	CFY98	FY99	FY00	FY01	FY02
OPERATIONAL ACTIVITY	NAVY					
VAQ-129, 09995	1	0	0	0	0	0
VFA-106, 09679	1	0	0	0	0	0
VFA-125, 09485	1	0	0	0	0	0
TOTAL:	3	0	0	0	0	0
OPERATIONAL ACTIVITY	USMC					
HMH-361, 09446	1	0	0	0	0	0
HMH-362, 09495	1	0	0	0	0	0
HMH-363, 09496	1	0	0	0	0	0
HMH-366, 55650	1	0	0	0	0	0
HMH-461, 09582	1	0	0	0	0	0
HMH-462, 09349	1	0	0	0	0	0
HMH-463, 09010	1	0	0	0	0	0
HMH-464, 53935	1	0	0	0	0	0
HMH-465, 53936	1	0	0	0	0	0
HMH-466, 53998	1	0	0	0	0	0
HMH-769, 09487	1	0	0	0	0	0
HMH-772, 09490	1	0	0	0	0	0
HMLA-167, 09898	1	0	0	0	0	0
HMLA-169, 09202	1	0	0	0	0	0
HMLA-267, 09159	1	0	0	0	0	0
HMLA-269, 08998	1	0	0	0	0	0
HMLA-367, 09079	1	0	0	0	0	0
HMLA-369, 09361	1	0	0	0	0	0
HMLA-773, 09431	1	0	0	0	0	0
HMLA-775, 55252	1	0	0	0	0	0
HMLA-775 DET A, 09415	1	0	0	0	0	0
HMM-161, 09440	1	0	0	0	0	0
HMM-162, 09492	1	0	0	0	0	0
HMM-163, 09405	1	0	0	0	0	0
HMM-164, 09408	1	0	0	0	0	0
HMM-165, 09343	1	0	0	0	0	0
HMM-166, 53973	1	0	0	0	0	0
HMM-261, 09441	1	0	0	0	0	0
HMM-262, 09442	1	0	0	0	0	0
HMM-263, 09445	1	0	0	0	0	0
HMM-264, 09374	1	0	0	0	0	0
HMM-265, 09404	1	0	0	0	0	0
HMM-266, 53972	1	0	0	0	0	0
HMM-268, 52790	1	0	0	0	0	0

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

ACTIVITY, UIC	PFYs	CFY98	FY99	FY00	FY01	FY02
HMM-364, 09793	1	0	0	0	0	0
HMM-365, 53923	1	0	0	0	0	0
HMM-764, 09402	1	0	0	0	0	0
HMM-774, 09430	1	0	0	0	0	0
HMT-303, 55176	1	0	0	0	0	0
MALS Aug Beaufort, 67863	1	0	0	0	0	0
MALS Aug El Toro, 09111	1	0	0	0	0	0
MALS Aug Miramar, 09116	1	0	0	0	0	0
MAWTS-1, 55167	1	0	0	0	0	0
VMA-131, 09357	1	0	0	0	0	0
VMA-211, 09412	1	0	0	0	0	0
VMA-214, 09436	1	0	0	0	0	0
VMA-223, 09438	1	0	0	0	0	0
VMA-231, 52948	1	0	0	0	0	0
VMA-311, 09416	1	0	0	0	0	0
VMA-513, 09231	1	0	0	0	0	0
VMA-542, 52847	1	0	0	0	0	0
VMAQ-1, 41345	1	0	0	0	0	0
VMAQ-2, 42362	1	0	0	0	0	0
VMAQ-3, 42363	1	0	0	0	0	0
VMAQ-4, 67837	1	0	0	0	0	0
VMAT-203, 45483	1	0	0	0	0	0
VMFA-112, 08954	1	0	0	0	0	0
VMFA-115, 09234	1	0	0	0	0	0
VMFA-122, 09407	1	0	0	0	0	0
VMFA-124, 52998	1	0	0	0	0	0
VMFA-134, 09365	1	0	0	0	0	0
VMFA-142, 67243	1	0	0	0	0	0
VMFA-212, 09434	1	0	0	0	0	0
VMFA-232, 09242	1	0	0	0	0	0
VMFA-251, 09241	1	0	0	0	0	0
VMFA-314, 09230	1	0	0	0	0	0
VMFA-321, 67235	1	0	0	0	0	0
VMFA-451, 09238	1	0	0	0	0	0
VMFAAW-121, 09257	1	0	0	0	0	0
VMFAAW-224, 09439	1	0	0	0	0	0
VMFAAW-225, 09232	1	0	0	0	0	0
VMFAAW-242, 09668	1	0	0	0	0	0
VMFAAW-332, 09501	1	0	0	0	0	0
VMFAAW-533, 09193	1	0	0	0	0	0
VMFAT-101, 09965	1	0	0	0	0	0
TOTAL:	75	0	0	0	0	0
FLEET SUPPORT ACTIVITY	NAVY					
AIMD Brunswick, 60087	1	0	0	0	0	0
AIMD Cecil Field, 60200	1	0	0	0	0	0
AIMD Keflavik, 63032	1	0	0	0	0	0
AIMD Lemoore, 44321	1	0	0	0	0	0
AIMD Oceana, 60191	1	0	1	0	0	0
AIMD Okinawa, 66254	1	0	0	0	0	0
AVORD/MTT Norfolk, 48764	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

ACTIVITY, UIC	PFYs	CFY98	FY99	FY00	FY01	FY02
CV-62 USS Independence, 03362	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
CV-67 USS Kennedy, 03367	1	0	0	0	0	0
CVN-65 USS Enterprise, 03365	1	0	0	0	0	0
CVN-68 USS Nimitz, 03368	1	0	0	0	0	0
CVN-69 USS Eisenhower, 03369	1	0	0	0	0	0
CVN-70 USS Vinson, 20993	1	0	0	0	0	0
CVN-71 USS Roosevelt, 21247	1	0	0	0	0	0
CVN-72 USS Lincoln, 21297	1	0	0	0	0	0
CVN-73 USS Washington, 21412	1	0	0	0	0	0
CVN-74 USS Stennis, 21847	1	0	0	0	0	0
CVN-75 USS Truman, 21853	1	0	0	0	0	0
LHA-1 USS Tarawa, 20550	1	0	0	0	0	0
LHA-2 USS Saipan, 20632	1	0	0	0	0	0
LHA-3 USS Belleau Wood, 20633	1	0	0	0	0	0
LHA-4 USS Nassau, 20725	1	0	0	0	0	0
LHA-5 USS Peleliu, 20748	1	0	0	0	0	0
LPH-11 USS New Orleans, 07202	1	0	0	0	0	0
LPH-9 USS Guam, 07178	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
NATMSACT, 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
NAWCAD Patuxent River, 00421	1	0	0	0	0	0
NAWCWD Point Mugu, 63126	1	0	0	0	0	0
NAWS China Lake, 47609	1	0	0	0	0	0
NAWS Point Mugu, 45113	1	0	0	0	0	0
TOTAL:	37	0	1	0	0	0
FLEET SUPPORT ACTIVITY	USMC					
1st MAW Futenma, 00101	1	0	0	0	0	0
2nd MAW Cherry Point, 00201	1	0	0	0	0	0
3rd MAW El Toro, 00300	1	0	0	0	0	0
4th MAW New Orleans, 00400	1	0	0	0	0	0
Blount Island, 38450	1	0	0	0	0	0
H&HS Beaufort, 02031	1	0	0	0	0	0
H&HS Camp Pendleton, 02208	1	0	0	0	0	0
H&HS Cherry Point, 02002	1	0	0	0	0	0
H&HS El Toro, 02201	1	0	0	0	0	0
H&HS Futenma, 02601	1	0	0	0	0	0
H&HS Iwakuni, 02501	1	0	0	0	0	0
H&HS New River, 02021	1	0	0	0	0	0
H&HS Yuma, 02230	1	0	0	0	0	0
MAD China Lake, 06117	1	0	0	0	0	0
MAD Patuxent River, 06040	1	0	0	0	0	0
MALS-11 El Toro, 09111	1	0	0	0	0	0
MALS-12 Iwakuni, 09112	1	0	0	0	0	0
MALS-13 Yuma, 55585	1	0	0	0	0	0
MALS-14 Cherry Point, 09114	1	0	0	0	0	0

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

ACTIVITY, UIC	PFYs	CFY98	FY99	FY00	FY01	FY02
MALS-16 Tustin, 55583	1	0	0	0	0	0
MALS-26 New River, 09167	1	0	0	0	0	0
MALS-29 New River, 52841	1	0	0	0	0	0
MALS-31 Beaufort, 09131	1	0	0	0	0	0
MALS-36 Futenma, 09136	1	0	0	0	0	0
MALS-39 Camp Pendleton, 09808	1	0	0	0	0	0
MALS-41 Fort Worth, 03007	1	0	0	0	0	0
MALS-42 Marietta GA, 09513	1	0	0	0	0	0
MALS-46 Miramar, 03028	1	0	0	0	0	0
MALS-49 Stewart NY, 55555	1	0	0	0	0	0
MALSE Kaneohe, 02300	1	0	0	0	0	0
MASD Andrews, 04801	1	0	0	0	0	0
MCAF Kaneohe, 02303	1	0	0	0	0	0
TOTAL:	32	0	0	0	0	0

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS	
1st MAW Futenma, 00101					
USMC	0	1		6541	
ACTIVITY TOTAL:	0	1			
2nd MAW Cherry Point, 00201					
USMC	0	1		6541	
ACTIVITY TOTAL:	0	1			
3rd MAW El Toro, 00300					
USMC	0	1		6541	
ACTIVITY TOTAL:	0	1			
4th MAW New Orleans, 00400					
USMC	0	1		6541	
ACTIVITY TOTAL:	0	1			
AIMD Brunswick, 60087					
ACDU	0	8	AO	6801	
	0	1	AO	6810	6801
ACTIVITY TOTAL:	0	9			
AIMD Cecil Field, 60200					
ACDU	0	20	AO	6801	
ACTIVITY TOTAL:	0	20			
AIMD Fallon, 44317					
ACDU	0	2	AO	6801	
ACTIVITY TOTAL:	0	2			
AIMD Keflavik, 63032					
ACDU	0	7	AO	6801	
	0	1	AO	6801	9502
ACTIVITY TOTAL:	0	8			
AIMD Lemoore, 44321					
ACDU	0	3	AO	6801	
ACTIVITY TOTAL:	0	3			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
AIMD Oceana, 60191				
ACDU	0	10	AO	6801
ACTIVITY TOTAL:	0	10		
AVORD/MTT Norfolk, 48764				
ACDU	0	5	AO	6801
ACTIVITY TOTAL:	0	5		
Blount Island, 38450				
AR	0	2		6541
ACTIVITY TOTAL:	0	2		
COMNAVAIRLANT, 57012				
ACDU	0	2	AO	6801
ACTIVITY TOTAL:	0	2		
CV-61 USS Ranger, 03361				
ACDU	0	1	AO	6801
ACTIVITY TOTAL:	0	1		
CV-62 USS Independence, 03362				
ACDU	0	6	AO	6801
ACTIVITY TOTAL:	0	6		
CV-63 USS Kitty Hawk, 03363				
ACDU	0	9	AO	6801
ACTIVITY TOTAL:	0	9		
CV-64 USS Constellation, 03364				
ACDU	0	11	AO	6801
ACTIVITY TOTAL:	0	11		
CV-67 USS Kennedy, 03367				
ACDU	0	12	AO	6801
ACTIVITY TOTAL:	0	12		
CVN-65 USS Enterprise, 03365				
ACDU	0	11	AO	6801
ACTIVITY TOTAL:	0	11		

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
CVN-68 USS Nimitz, 03368				
ACDU	0	11	AO	6801
ACTIVITY TOTAL:	0	11		
CVN-69 USS Eisenhower, 03369				
ACDU	0	7	AO	6801
ACTIVITY TOTAL:	0	7		
CVN-70 USS Vinson, 20993				
ACDU	0	11	AO	6801
ACTIVITY TOTAL:	0	11		
CVN-71 USS Roosevelt, 21247				
ACDU	0	11	AO	6801
ACTIVITY TOTAL:	0	11		
CVN-72 USS Lincoln, 21297				
ACDU	0	11	AO	6801
ACTIVITY TOTAL:	0	11		
CVN-73 USS Washington, 21412				
ACDU	0	11	AO	6801
ACTIVITY TOTAL:	0	11		
CVN-74 USS Stennis, 21847				
ACDU	0	11	AO	6801
ACTIVITY TOTAL:	0	11		
CVN-75 USS Truman, 21853				
ACDU	0	11	AO	6801
ACTIVITY TOTAL:	0	11		
H&HS Beaufort, 02031				
USMC	0	5		6541
ACTIVITY TOTAL:	0	5		
H&HS Camp Pendleton, 02208				
USMC	0	9		6541
ACTIVITY TOTAL:	0	9		

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
H&HS Cherry Point, 02002				
USMC	0	15		6541
ACTIVITY TOTAL:	0	15		
H&HS El Toro, 02201				
USMC	0	8		6541
ACTIVITY TOTAL:	0	8		
H&HS Futenma, 02601				
USMC	0	1		6541
ACTIVITY TOTAL:	0	1		
H&HS Iwakuni, 02501				
USMC	0	7		6541
ACTIVITY TOTAL:	0	7		
H&HS New River, 02021				
USMC	0	5		6541
ACTIVITY TOTAL:	0	5		
H&HS Yuma, 02230				
USMC	0	16		6541
ACTIVITY TOTAL:	0	16		
HMH-361, 09446				
USMC	0	6		6541
ACTIVITY TOTAL:	0	6		
HMH-362, 09495				
USMC	0	1		6541
ACTIVITY TOTAL:	0	1		
HMH-363, 09496				
USMC	0	2		6541
ACTIVITY TOTAL:	0	2		
HMH-366, 55650				
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 OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
HMH-461, 09582				
USMC	0	6		6541
ACTIVITY TOTAL:	0	6		
HMH-462, 09349				
USMC	0	6		6541
ACTIVITY TOTAL:	0	6		
HMH-463, 09010				
USMC	0	2		6541
ACTIVITY TOTAL:	0	2		
HMH-464, 53935				
USMC	0	6		6541
ACTIVITY TOTAL:	0	6		
HMH-465, 53936				
USMC	0	6		6541
ACTIVITY TOTAL:	0	6		
HMH-466, 53998				
USMC	0	6		6541
ACTIVITY TOTAL:	0	6		
HMH-769, 09487				
AR	0	1		6541
USMC	0	1		6541
ACTIVITY TOTAL:	0	2		
HMH-772, 09490				
USMC	0	2		6541
ACTIVITY TOTAL:	0	2		
HMLA-167, 09898				
USMC	0	18		6541
ACTIVITY TOTAL:	0	18		

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
HMLA-169, 09202				
USMC	0	18		6541
ACTIVITY TOTAL:	0	18		
HMLA-267, 09159				
USMC	0	18		6541
ACTIVITY TOTAL:	0	18		
HMLA-269, 08998				
USMC	0	18		6541
ACTIVITY TOTAL:	0	18		
HMLA-367, 09079				
USMC	0	18		6541
ACTIVITY TOTAL:	0	18		
HMLA-369, 09361				
USMC	0	18		6541
ACTIVITY TOTAL:	0	18		
HMLA-773, 09431				
AR	0	8		6541
USMC	0	4		6541
ACTIVITY TOTAL:	0	12		
HMLA-775, 55252				
AR	0	8		6541
USMC	0	4		6541
ACTIVITY TOTAL:	0	12		
HMLA-775 Det A, 09415				
AR	0	3		6541
USMC	0	3		6541
ACTIVITY TOTAL:	0	6		
HMM-161, 09440				
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 OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
HMM-162, 09492				
USMC	0	2		6541
ACTIVITY TOTAL:	0	2		
HMM-163, 09405				
USMC	0	2		6541
ACTIVITY TOTAL:	0	2		
HMM-164, 09408				
USMC	0	2		6541
ACTIVITY TOTAL:	0	2		
HMM-165, 09343				
USMC	0	2		6541
ACTIVITY TOTAL:	0	2		
HMM-166, 53973				
USMC	0	2		6541
ACTIVITY TOTAL:	0	2		
HMM-261, 09441				
USMC	0	2		6541
ACTIVITY TOTAL:	0	2		
HMM-262, 09442				
USMC	0	3		6541
ACTIVITY TOTAL:	0	3		
HMM-263, 09445				
USMC	0	2		6541
ACTIVITY TOTAL:	0	2		
HMM-264, 09374				
USMC	0	2		6541
ACTIVITY TOTAL:	0	2		
HMM-265, 09404				
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 OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
HMM-266, 53972				
USMC	0	2		6541
ACTIVITY TOTAL:	0	2		
HMM-268, 52790				
USMC	0	2		6541
ACTIVITY TOTAL:	0	2		
HMM-364, 09793				
USMC	0	2		6541
ACTIVITY TOTAL:	0	2		
HMM-365, 53923				
USMC	0	2		6541
ACTIVITY TOTAL:	0	2		
HMM-764, 09402				
USMC	0	2		6541
ACTIVITY TOTAL:	0	2		
HMM-774, 09430				
USMC	0	2		6541
ACTIVITY TOTAL:	0	2		
HMT-303, 55176				
USMC	0	6		6541
ACTIVITY TOTAL:	0	6		
LHA-1 USS Tarawa, 20550				
ACDU	0	2	AO	6801
ACTIVITY TOTAL:	0	2		
LHA-2 USS Saipan, 20632				
ACDU	0	2	AO	6801
ACTIVITY TOTAL:	0	2		
LHA-3 USS Belleau Wood, 20633				
ACDU	0	2	AO	6801
ACTIVITY TOTAL:	0	2		

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
LHA-4 USS Nassau, 20725				
ACDU	0	2	AO	6801
ACTIVITY TOTAL:	0	2		
LHA-5 USS Peleliu, 20748				
ACDU	0	2	AO	6801
ACTIVITY TOTAL:	0	2		
LPH-10 USS Tripoli, 07198				
ACDU	0	2	AO	6801
ACTIVITY TOTAL:	0	2		
LPH-11 New Orleans, 07202				
ACDU	0	2	AO	6801
ACTIVITY TOTAL:	0	2		
LPH-7 USS Guadalcanal, 07352				
ACDU	0	2	AO	6801
ACTIVITY TOTAL:	0	2		
LPH-9 USS Guam, 07178				
ACDU	0	2	AO	6801
ACTIVITY TOTAL:	0	2		
MAD China Lake, 06117				
USMC	0	2		6541
ACTIVITY TOTAL:	0	2		
MAD Patuxent River, 06040				
USMC	0	1		6541
ACTIVITY TOTAL:	0	1		
MALS Aug Beaufort, 67863				
USMC	0	11		6541
ACTIVITY TOTAL:	0	11		
MALS Aug El Toro, 09111				
USMC	0	5		6541
ACTIVITY TOTAL:	0	5		

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
MALS Aug Miramar, 09116				
USMC	0	4		6541
ACTIVITY TOTAL:	0	4		
MALS-11 El Toro, 09111				
USMC	0	43		6541
ACTIVITY TOTAL:	0	43		
MALS-12 Iwakuni, 09112				
USMC	0	43		6541
ACTIVITY TOTAL:	0	43		
MALS-13 Yuma, 55585				
USMC	0	43		6541
ACTIVITY TOTAL:	0	43		
MALS-14 Cherry Point, 09114				
USMC	0	43		6541
ACTIVITY TOTAL:	0	43		
MALS-16 Tustin, 55583				
USMC	0	12		6541
ACTIVITY TOTAL:	0	12		
MALS-26 New River, 09167				
USMC	0	12		6541
ACTIVITY TOTAL:	0	12		
MALS-29 New River, 52841				
USMC	0	12		6541
ACTIVITY TOTAL:	0	12		
MALS-31 Beaufort, 09131				
USMC	0	43		6541
ACTIVITY TOTAL:	0	43		
MALS-36 Futenma, 09136				
USMC	0	12		6541
ACTIVITY TOTAL:	0	12		

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
MALS-39 Camp Pendleton, 09808				
USMC	0	12		6541
ACTIVITY TOTAL:	0	12		
MALS-41 Fort Worth, 03007				
AR	0	39		6541
USMC	0	4		6541
ACTIVITY TOTAL:	0	43		
MALS-42 Marietta, 09513				
AR	0	10		6541
USMC	0	2		6541
ACTIVITY TOTAL:	0	12		
MALS-46 Miramar, 03028				
AR	0	23		6541
ACTIVITY TOTAL:	0	23		
MALS-49 Stewart, 55555				
AR	0	8		6541
USMC	0	4		6541
ACTIVITY TOTAL:	0	12		
MALSE Kaneohe, 02300				
USMC	0	4		6541
ACTIVITY TOTAL:	0	4		
MASD Andrews, 04801				
USMC	0	1		6541
ACTIVITY TOTAL:	0	1		
MAWTS-1, 55167				
USMC	0	2		6541
ACTIVITY TOTAL:	0	2		
MCAF Kaneohe, 02303				
USMC	0	7		6541
ACTIVITY TOTAL:	0	7		

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS	
NAVAIRWP-MAINTUN, 52821					
ACDU	0	23	AO	6801	
ACTIVITY TOTAL:	0	23			
NAWCAD Patuxent River, 00421					
ACDU	0	2	AO	6801	
	0	2	AO	6801	8345
ACTIVITY TOTAL:	0	4			
NAWCWD Point Mugu, 63126					
ACDU	0	1	AO	6801	
ACTIVITY TOTAL:	0	1			
NAWS Point Mugu, 63126					
ACDU	0	7	AO	6801	
	0	1	AO	6801	8342
ACTIVITY TOTAL:	0	8			
RAIMD Memphis, 00639					
TAR	0	1	AO	6801	
ACTIVITY TOTAL:	0	1			
VAQ-129, 09995					
USMC	0	2		6541	
ACTIVITY TOTAL:	0	2			
VFA-106, 09679					
USMC	0	1		6541	
ACTIVITY TOTAL:	0	1			
VFA-125, 09485					
USMC	0	1		6541	
ACTIVITY TOTAL:	0	1			
VMA-131, 55167					
AR	0	10		6541	
ACTIVITY TOTAL:	0	10			
VMA-211, 09412					
USMC	0	12		6541	
ACTIVITY TOTAL:	0	12			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
VMA-214, 09436				
USMC	0	12		6541
ACTIVITY TOTAL:	0	12		
VMA-223, 09438				
USMC	0	12		6541
ACTIVITY TOTAL:	0	12		
VMA-231, 52948				
USMC	0	12		6541
ACTIVITY TOTAL:	0	12		
VMA-311, 09416				
USMC	0	12		6541
ACTIVITY TOTAL:	0	12		
VMA-513, 09231				
USMC	0	12		6541
ACTIVITY TOTAL:	0	12		
VMA-542, 52847				
USMC	0	12		6541
ACTIVITY TOTAL:	0	12		
VMAQ-1, 41345				
USMC	0	1		6541
ACTIVITY TOTAL:	0	1		
VMAQ-2, 42362				
USMC	0	1		6541
ACTIVITY TOTAL:	0	1		
VMAQ-3, 42363				
USMC	0	1		6541
ACTIVITY TOTAL:	0	1		
VMAQ-4, 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 OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
VMAT-203, 45483				
USMC	0	5		6541
ACTIVITY TOTAL:	0	5		
VMFA-112, 08954				
AR	0	7		6541
USMC	0	3		6541
ACTIVITY TOTAL:	0	10		
VMFA-115, 09234				
USMC	0	10		6541
ACTIVITY TOTAL:	0	10		
VMFA-122, 09407				
USMC	0	10		6541
ACTIVITY TOTAL:	0	10		
VMFA-124, 52998				
AR	0	10		6541
ACTIVITY TOTAL:	0	10		
VMFA-134, 09365				
AR	0	4		6541
USMC	0	6		6541
ACTIVITY TOTAL:	0	10		
VMFA-142, 67243				
AR	0	7		6541
USMC	0	3		6541
ACTIVITY TOTAL:	0	10		
VMFA-212, 09434				
USMC	0	10		6541
ACTIVITY TOTAL:	0	10		
VMFA-232, 09242				
USMC	0	10		6541
ACTIVITY TOTAL:	0	10		

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
VMFA-251, 09241				
USMC	0	10		6541
ACTIVITY TOTAL:	0	10		
VMFA-314, 09230				
USMC	0	10		6541
ACTIVITY TOTAL:	0	10		
VMFA-321, 67235				
AR	0	7		6541
USMC	0	3		6541
ACTIVITY TOTAL:	0	10		
VMFA-451, 09238				
USMC	0	10		6541
ACTIVITY TOTAL:	0	10		
VMFAAW-121, 09257				
USMC	0	11		6541
ACTIVITY TOTAL:	0	11		
VMFAAW-224, 09439				
USMC	0	11		6541
ACTIVITY TOTAL:	0	11		
VMFAAW-225, 09232				
USMC	0	11		6541
ACTIVITY TOTAL:	0	11		
VMFAAW-242, 09668				
USMC	0	11		6541
ACTIVITY TOTAL:	0	11		
VMFAAW-332, 09501				
USMC	0	11		6541
ACTIVITY TOTAL:	0	11		
VMFAAW-533, 09193				
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 OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
VMFAT-101, 09965				
USMC	0	18		6541
ACTIVITY TOTAL:	**0**	**18**		

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

DESIGN RATING	PNEC/SNEC PMOS/SMOS		PFYs OFF	ENL	CFY98 OFF	ENL	FY99 OFF	ENL	FY00 OFF	ENL	FY01 OFF	ENL	FY02 OFF	ENL
OPERATIONAL ACTIVITY	- AR													
	6541		0	65	0	0	0	0	0	0	0	0	0	0
OPERATIONAL ACTIVITY	- USMC													
	6541		0	494	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY	- ACDU													
AO	6801		0	242	0	0	0	0	0	0	0	0	0	0
AO	6801	8342	0	1	0	0	0	0	0	0	0	0	0	0
AO	6801	8345	0	2	0	0	0	0	0	0	0	0	0	0
AO	6801	9502	0	1	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY	- TAR													
AO	6801		0	1	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY	- AR													
	6541		0	82	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY	- USMC													
	6541		0	370	0	0	0	0	0	0	0	0	0	0

SUMMARY TOTAL

			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
OPERATIONAL ACTIVITY	- AR		0	65	0	0	0	0	0	0	0	0	0	0
OPERATIONAL ACTIVITY	- USMC		0	494	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY	- ACDU		0	247	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY	- TAR		0	1	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY	- AR		0	82	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY	- USMC		0	370	0	0	0	0	0	0	0	0	0	0

GRAND TOTAL

			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
	- ACDU		0	247	0	0	0	0	0	0	0	0	0	0
	- TAR		0	1	0	0	0	0	0	0	0	0	0	0
	- AR		0	147	0	0	0	0	0	0	0	0	0	0

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

DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY98 OFF	CFY98 ENL	FY99 OFF	FY99 ENL	FY00 OFF	FY00 ENL	FY01 OFF	FY01 ENL	FY02 OFF	FY02 ENL
	- USMC												
		0	864	0	0	0	0	0	0	0	0	0	0

II.A.2.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY DEACTIVATION SCHEDULE

SOURCE: DATE: 06/1/96

ACTIVITY, UIC	PFYs	CFY98	FY99	FY00	FY01	FY02
FLEET SUPPORT ACTIVITY	NAVY					
CV-67 USS Kennedy, 03367	0	1	0	0	0	0
LPH-11 New Orleans, 07202	0	1	0	0	0	0
LPH-9 USS Guam, 07178	1	0	0	0	0	0
TOTAL:	1	2	0	0	0	0

II.A.2.b. BILLETS TO BE DELETED IN OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
CV-67 USS Kennedy, 03367, FY98				
ACDU	0	12	AO	6801
ACTIVITY TOTAL:	0	12		
LPH-11 New Orleans, 07202, FY98				
ACDU	0	2	AO	6801
ACTIVITY TOTAL:	0	2		
LPH-9 USS Guam, 07178, FY97				
ACDU	0	2	AO	6801
ACTIVITY TOTAL:	0	2		

II.A.2.c. TOTAL BILLETS TO BE DELETED IN OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY98 OFF	CFY98 ENL	FY99 OFF	FY99 ENL	FY00 OFF	FY00 ENL	FY01 OFF	FY01 ENL	FY02 OFF	FY02 ENL
FLEET SUPPORT ACTIVITY - ACDU													
AO	6801	0	2	0	14	0	0	0	0	0	0	0	0

 SUMMARY TOTAL

	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
FLEET SUPPORT ACTIVITY - ACDU												
	0	2	0	14	0	0	0	0	0	0	0	0

 GRAND TOTAL

	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
- ACDU												
	0	2	0	14	0	0	0	0	0	0	0	0

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

INSTRUCTOR BILLETS

TRAINING ACTIVITY, LOCATION, UIC: MTU-4030 NAMTG, NS Mayport, 66069

DESIGN RATING	PNEC/SNEC PMOS/SMOS		PFYs OFF	ENL	CFY98 OFF	ENL	FY99 OFF	ENL	FY00 OFF	ENL	FY01 OFF	ENL	FY02 OFF	ENL
ACDU														
AO	6801	9502	0	1	0	1	0	1	0	1	0	1	0	1

TRAINING ACTIVITY, LOCATION, UIC: MTU-4032 NAMTG, NAS Norfolk, 66046

DESIGN RATING	PNEC/SNEC PMOS/SMOS		PFYs OFF	ENL	CFY98 OFF	ENL	FY99 OFF	ENL	FY00 OFF	ENL	FY01 OFF	ENL	FY02 OFF	ENL
ACDU														
AO	6801	9502	0	6	0	6	0	6	0	6	0	6	0	6
SELRES														
AO	6801	9502	0	2	0	2	0	2	0	2	0	2	0	2

TRAINING ACTIVITY, LOCATION, UIC: MTU-4033 NAMTG, NAS North Island, 66065

DESIGN RATING	PNEC/SNEC PMOS/SMOS		PFYs OFF	ENL	CFY98 OFF	ENL	FY99 OFF	ENL	FY00 OFF	ENL	FY01 OFF	ENL	FY02 OFF	ENL
ACDU														
AO	6801	9502	0	4	0	4	0	4	0	4	0	4	0	4

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

DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	ENL	CFY98 OFF	ENL	FY99 OFF	ENL	FY00 OFF	ENL	FY01 OFF	ENL	FY02 OFF	ENL
USMC													
	6541	0	21	0	21	0	21	0	21	0	21	0	21

II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs OFF	PFYs ENL	CFY98 OFF	CFY98 ENL	FY99 OFF	FY99 ENL	FY00 OFF	FY00 ENL	FY01 OFF	FY01 ENL	FY02 OFF	FY02 ENL
MTU-4030 NAMTG, NS Mayport, 66069													
	NAVY	0	1	0	1	0	1	0	1	0	1	0	1
MTU-4032 NAMTG, NAS Norfolk, 66046													
	NAVY	0	5	0	5	0	5	0	4	0	4	0	4
MTU-4033 NAMTG, NAS North Island, 66065													
	NAVY	0	4	0	4	0	4	0	4	0	4	0	4
VMAT-203, MCAS Cherry Point, 45483													
	USMC	0	70	0	70	0	70	0	70	0	70	0	70
SUMMARY TOTAL													
	NAVY	0	10	0	10	0	10	0	9	0	9	0	9
	USMC	0	70	0	70	0	70	0	70	0	70	0	70
GRAND TOTAL													
		0	80	0	80	0	80	0	79	0	79	0	79

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESG RTNG	PNEC/SNEC	BILLET BASE	CFY98 +/-	CFY98 CUM	FY99 +/-	FY99 CUM	FY00 +/-	FY00 CUM	FY01 +/-	FY01 CUM	FY02 +/-	FY02 CUM
a. OFFICER- USN	NA.											
b. ENLISTED - USN												
Fleet Support Billets ACDU and TAR												
AO	6810 6801	1	0	1	0	1	0	1	0	1	0	1
AO	6801	257	-14	243	0	243	0	243	0	243	0	243
AO	6801 8342	1	0	1	0	1	0	1	0	1	0	1
AO	6801 8345	2	0	2	0	2	0	2	0	2	0	2
AO	6801 9502	1	0	1	0	1	0	1	0	1	0	1
Instructor and Support (Staff) Billets ACDU and TAR												
AO	6801 9502	11	0	11	0	11	0	11	0	11	0	11
Chargeable Student Billets ACDU and TAR												
		10	0	10	-1	9	-1	9	0	9	0	9
TOTAL USN ENLISTED BILLETS												
Fleet Support		262	-21	248	0	248	0	248	0	248	0	248
Staff		11	0	11	0	11	0	11	0	11	0	11
Student		10	0	10	-1	9	-1	9	0	9	0	9
c. OFFICER - USMC	NA.											
d. ENLISTED - USMC												
Operational Billets USMC and AR												
	6541	559	0	559	0	559	0	559	0	559	0	559
Fleet Support Billets USMC and AR												
	6541	452	0	452	0	452	0	452	0	452	0	452
Instructor and Support (Staff) Billets USMC and AR												
	6541	21	0	21	0	21	0	21	0	21	0	21
Chargeable Student Billets USMC and AR												
		70	0	70	0	70	0	70	0	70	0	70
TOTAL USMC ENLISTED BILLETS												
Operational		559	0	559	0	559	0	559	0	559	0	559
Fleet Support		452	0	452	0	452	0	452	0	452	0	452
Staff		21	0	21	0	21	0	21	0	21	0	21
Student		70	0	70	0	70	0	70	0	70	0	70

PART 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 Weeks   **TOUR LENGTH:** Navy: 36 Months
ATTRITION FACTOR: Navy: 10 %   **BACKOUT FACTOR:** 0.12

TRAINING ACTIVITY	ACDU/TAR SOURCE	SELRES	CFY98 OFF	CFY98 ENL	FY99 OFF	FY99 ENL	FY00 OFF	FY00 ENL	FY01 OFF	FY01 ENL	FY02 OFF	FY02 ENL
MTU-4030 NAMTG												
	NAVY	ACDU/TAR	0	8	0	8	0	8	0	8	0	8
	NAVY	SELRES	0	1	0	1	0	1	0	1	0	1
		TOTAL:	0	9	0	9	0	9	0	9	0	9

CIN, COURSE TITLE: D-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance
COURSE LENGTH: 6 Weeks   **TOUR LENGTH:** Navy: 36 Months
ATTRITION FACTOR: Navy: 10 %   **BACKOUT FACTOR:** 0.12

TRAINING ACTIVITY	ACDU/TAR SOURCE	SELRES	CFY98 OFF	CFY98 ENL	FY99 OFF	FY99 ENL	FY00 OFF	FY00 ENL	FY01 OFF	FY01 ENL	FY02 OFF	FY02 ENL
MTU-4032 NAMTG												
	NAVY	ACDU/TAR	0	46	0	45	0	41	0	41	0	41
		TOTAL:	0	46	0	45	0	41	0	41	0	41

CIN, COURSE TITLE: E-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance
COURSE LENGTH: 6 Weeks   **TOUR LENGTH:** Navy: 36 Months
ATTRITION FACTOR: Navy: 10 %   **BACKOUT FACTOR:** 0.12

TRAINING ACTIVITY	ACDU/TAR SOURCE	SELRES	CFY98 OFF	CFY98 ENL	FY99 OFF	FY99 ENL	FY00 OFF	FY00 ENL	FY01 OFF	FY01 ENL	FY02 OFF	FY02 ENL
MTU-4033 NAMTG												
	NAVY	ACDU/TAR	0	41	0	41	0	40	0	40	0	40
		TOTAL:	0	41	0	41	0	40	0	40	0	40

CIN, COURSE TITLE: M-646-7026, Aircraft Ordnance Intermediate Maintenance
COURSE LENGTH: 14.2 Weeks
ATTRITION FACTOR: Marine: 0 %   **BACKOUT FACTOR:** 0.28

TRAINING ACTIVITY	ACDU/TAR SOURCE	SELRES	CFY98 OFF	CFY98 ENL	FY99 OFF	FY99 ENL	FY00 OFF	FY00 ENL	FY01 OFF	FY01 ENL	FY02 OFF	FY02 ENL
VMAT-203												
	USMC	USMC/AR	0	258	0	258	0	258	0	258	0	258
		TOTAL:	0	258	0	258	0	258	0	258	0	258

ACTIVITY TOTAL:

TRAINING ACTIVITY	ACDU/TAR SOURCE	SELRES	CFY98 OFF	CFY98 ENL	FY99 OFF	FY99 ENL	FY00 OFF	FY00 ENL	FY01 OFF	FY01 ENL	FY02 OFF	FY02 ENL
MTU-4030 NAMTG			0	9	0	9	0	9	0	9	0	9
MTU-4032 NAMTG			0	46	0	45	0	41	0	41	0	41
MTU-4033 NAMTG			0	41	0	41	0	40	0	40	0	40
VMAT-203			0	258	0	258	0	258	0	258	0	258

III.A. TRAINING COURSE AND TRAINING INPUT REQUIREMENTS

III.A.1. INITIAL TRAINING REQUIREMENTS

Initial training has been completed.

III.A.2. FOLLOW-ON TRAINING

III.A.2.a. EXISTING COURSES

TRAINING ACTIVITY: MTU-4030 NAMTG
LOCATION, UIC: NS Mayport, 66069

CIN, COURSE TITLE: D-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance

SOURCE: NAVY   **STUDENT CATEGORY (ACDU-TAR or SELRES):** ACDU-TAR

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	8	0	8	0	8	0	8	0	8	ATIR
0	7	0	7	0	7	0	7	0	7	Output
0.0	0.8	0.0	0.8	0.0	0.8	0.0	0.8	0.0	0.8	AOB
0.0	0.8	0.0	0.8	0.0	0.8	0.0	0.8	0.0	0.8	Chargeable

TRAINING ACTIVITY: MTU-4032 NAMTG
LOCATION, UIC: NAS Norfolk, 66046

CIN, COURSE TITLE: D-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance

SOURCE: NAVY   **STUDENT CATEGORY (ACDU-TAR or SELRES):** ACDU-TAR

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	45	0	41	0	41	0	41	0	41	ATIR
0	40	0	37	0	37	0	37	0	37	Output
0.0	4.6	0.0	4.2	0.0	4.2	0.0	4.2	0.0	4.2	AOB
0.0	4.6	0.0	4.2	0.0	4.2	0.0	4.2	0.0	4.2	Chargeable

TRAINING ACTIVITY: MTU-4033 NAMTG
LOCATION, UIC: NAS North Island, 66065

CIN, COURSE TITLE: E-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance

SOURCE: NAVY   **STUDENT CATEGORY (ACDU-TAR or SELRES):** ACDU-TAR

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	41	0	40	0	40	0	40	0	40	ATIR
0	37	0	36	0	36	0	36	0	36	Output
0.0	4.3	0.0	4.2	0.0	4.2	0.0	4.2	0.0	4.2	AOB
0.0	4.3	0.0	4.2	0.0	4.2	0.0	4.2	0.0	4.2	Chargeable

III.A.2. FOLLOW-ON TRAINING

III.A.2.a. EXISTING COURSES

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

CIN, COURSE TITLE: M-646-7026, Aircraft Ordnance Intermediate Maintenance

SOURCE: USMC   **STUDENT CATEGORY (ACDU-TAR or SELRES):** USMC-AR

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	258	0	258	0	258	0	258	0	258	ATIR
0	258	0	258	0	258	0	258	0	258	Output
0.0	70.0	0.0	70.0	0.0	70.0	0.0	70.0	0.0	70.0	AOB
0.0	70.0	0.0	70.0	0.0	70.0	0.0	70.0	0.0	70.0	Chargeable

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

The following elements are not affected by the HARM and are therefore not included in this NTSP.

IV.A.1.   TTE / GPTE / SPTE / ST / GPETE / SPETE
IV.B.1   Training Services
IV.C.1   Facility Requirements Summary (Space/Support) by Activity
IV.C.2   Facility Requirements Detailed by Activity By Course
IV.C.3   Facility Project Summary by Program

IV.A. TRAINING HARDWARE REQUIREMENTS

IV.A.2. TRAINING DEVICES

DEVICE: Captive Air Training Missile, (CATM-88A)

DESCRIPTION OF DEVICE: CATM-88A is an inert, captive flight training missile permitting realistic exercise of the HARM. The CATM airborne operation provides direct comparison with actual weapon firing by simulation without expending the missile. Identical to the AGM-88A/B/C tactical missiles except for the warhead and rocket motor which are both inert.

MANUFACTURE NA.
CONTRACT NUMBER NA.
TEE STATUS NA.

TRAINING ACTIVITY: VAQ-129
LOCATION, UIC: NAS Whidbey Island   00620

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
11		On line	(on-board)	E-2A-1815
				E-2A-1816
				E-2A-1817
				E-2A-1818
				E-2A-1819
				E-2D-1817
				E-2D-1818
				E-2D-1819
				E-2D-1820

TRAINING ACTIVITY: VFA-106
LOCATION, UIC: NAS Cecil Field   09679

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED	
9		On line	(on-board)	D-2A-0601	
				D-2A-0602	
				D-2A-0604	
				D-2A-0606	
				D-646-0640	As part of track: D-646-0653
				D-646-0647	As part of track: D-646-0653 D-102-0630

TRAINING ACTIVITY: VFA-125
LOCATION, UIC: NAS Lemoore   65559

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED	
8		On line	(on-board)	E-2A-0601	
				E-2A-0602	
				E-2A-0604	
				E-2A-0606	
				E-646-0640	As part of track: E-646-0653
				E-646-0647	As part of track: E-646-0653 E-102-0630

IV.A.2. TRAINING DEVICES

TRAINING ACTIVITY: VMFAT-101
LOCATION, UIC: MCAS El Toro 45526

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
6		On line	(on-board)	See note below

Note: The following courses are listed by title because no course numbers exist.

F/A-18 Fleet Replacement Pilot Cat 1	F/A-18 WSO Cat 1
F/A-18 Fleet Replacement Pilot Cat 2	F/A-18 WSO Cat 2
F/A-18 Fleet Replacement Pilot Cat 3	F/A-18 WSO Cat 3
F/A-18 Fleet Replacement Pilot Cat 4	F/A-18 WSO Cat 4

IV.A.2. TRAINING DEVICES

DEVICE Dummy Air Training Missile, DATM-88

DESCRIPTION OF DEVICE: DATM-88 is physically representative of the HARM. It is a training device to facilitate instruction and familiarization for transporting, handling, loading and visual inspection procedures for organizational and intermediate level training purposes. The DATM is not certified for flight and is designed for ground training use only.

MANUFACTURER NA.
CONTRACT NUMBER NA.
TEE STATUS NA.

TRAINING ACTIVITY: VAQ-129
LOCATION, UIC: NAS Whidbey Island   00620

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED	
2		On line	(On-board)	C-646-9741	As part of track: E-646-1840

TRAINING ACTIVITY: VFA-106
LOCATION, UIC: NAS Cecil Field   09679

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED	
1		On line	(On-board)	C-646-9973	As part of track: D-646-0653 D-646-0654
				C-646-9974	As part of track: D-646-0641
				D-646-0640	As part of track: D-646-0653
				D-646-0647	As part of track: D-646-0653 D-102-0630

TRAINING ACTIVITY: VFA-125
LOCATION, UIC: NAS Lemoore   65559

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED	
2		On line	(On-board)	C-646-9973	As part of track: E-646-0653 E-646-0654
				C-646-9974	As part of track: E-646-0641
				D-646-0640	As part of track: E-646-0653
				D-646-0647	As part of track: E-646-0653 E-102-0630

IV.A.2. TRAINING DEVICES

TRAINING ACTIVITY: VMFAT-101
LOCATION, UIC: MCAS El Toro   45526

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED	
2		On line	(On-board)	C-646-9973	As part of track: E-646-0653 E-646-0654
				C-646-9974	As part of track: E-646-0641
				D-646-0640	As part of track: E-646-0653
				D-646-0647	As part of track: E-646-0653 E-102-0630

IV.A.2. TRAINING DEVICES

DEVICE Practical Explosive Ordnance Disposal System Trainer, PEST

DESCRIPTION OF DEVICE: The HARM 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 Rending Safe Procedures.

MANUFACTURER NA.

CONTRACT NUMBER NA.

TEE STATUS NA.

TRAINING ACTIVITY: NAVSCLOEOD
LOCATION, UIC: Indian Head   30446

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1		On line	(On-board)	A-431-0011
				A-431-0012

TRAINING ACTIVITY: EODTEU ONE
LOCATION, UIC: Barbers Point   30202

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1		On line	(On-board)	G-431-0001

TRAINING ACTIVITY: EOD TWO
LOCATION, UIC: Fort Story   43505

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1		On line	(On-board)	G-431-0001

IV.A.2. TRAINING DEVICES

DEVICE Classroom Explosive System Trainer, CEST

DESCRIPTION OF DEVICE: The HARM CEST is an inert cutaway model displaying locations and types of explosive and hazardous materials, initiators, igniters and fuze.

MANUFACTURER NA.

CONTRACT NUMBER NA.

TEE STATUS NA.

TRAINING ACTIVITY: NAVSCLOEOD
LOCATION, UIC: Indian Head   30446

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1		On line	(On-board)	A-431-0011
				A-431-0012

TRAINING ACTIVITY: EODTEU ONE
LOCATION, UIC: Barber Point   30202

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1		On line	(On-board)	G-431-0001

TRAINING ACTIVITY: EODTEU TWO
LOCATION, UIC: Fort Story   43505

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1		On line	(On-board)	G-431-0001

IV.B. COURSEWARE REQUIREMENTS

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: VAQ-129
LOCATION, UIC: NAS Whidbey Island   00620
CIN, COURSE TITLE: E-2A-1815   EA-6B ICAP II Fleet Replacement Pilot Cat 1
                       E-2A-1816   EA-6B ICAP II Fleet Replacement Pilot Cat 2
                       E-2A-1817   EA-6B ICAP II Fleet Replacement Pilot Cat 3
                       E-2A-1818   EA-6B ICAP II Fleet Replacement Pilot Cat 4
                       E-2A-1819   Medium Attack Strike Training
                       E-2D-1817   EA-6B ICAP II Fleet Replacement ECMO Cat 1
                       E-2D-1818   EA-6B ICAP II Fleet Replacement ECMO Cat 2
                       E-2D-1819   EA-6B ICAP II Fleet Replacement ECMO Cat 3
                       E-2D-1820   EA-6B ICAP II Fleet Replacement ECMO Cat 4
                       C-646-9741 EA-6B Armament Systems Organizational Maintenance   As part of track:
                                                                                       E-646-1840

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
HARM Source Data	1 Set		On board

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
                       D-646-0640 F/A-18 Conventional Weapons Loading   As part of track:
                                                                            D-646-0653
                       D-646-0647 F/A-18 Conventional Release System Test   As part of track:
                                                                            D-646-0653
                                                                            D-102-0630

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
HARM Source Data	1 Set		On board
HARM PTT	1 Set		On-board

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
                       E-646-0640 F/A-18 Conventional Weapons Loading   As part of track:
                                                                            E-646-0653
                       E-646-0647 F/A-18 Conventional Release System Test   As part of track:
                                                                            E-646-0653
                                                                            E-102-0630

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
HARM Source Data	1 Set		On board
HARM PTT	1 Set		On-board

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: VMFAT-101
LOCATION, UIC: MCAS El Toro   45526
CIN, COURSE TITLE: 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 WSO Cat 1
                        F/A-18D WSO Cat 2
                        F/A-18D WSO Cat 3
                        F/A-18D WSO Cat 4

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
HARM Source Data	1 Set		On board
HARM PTT	1 Set		On-board

Note: The pilot courses above are listed by title only because no course numbers exist.

TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola   35348
CIN, COURSE TITLE: C-646-2011   Aviation Ordnanceman Common Core Class A1
                        C-646-2012   Aviation Ordnanceman Airwing Strand Class A1
                        C-646-2013   Aviation Ordnanceman Ship's Company Strand Class A1

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
HARM Source Data	1 Set		On board

TRAINING ACTIVITY: MTU 1038 NAMTRAGRU DET
LOCATION, UIC: NAS Lemoore   66060
CIN, COURSE TITLE: C-646-9973   F/A-18 Stores Management System (Initial) Organizational Maintenance

As part of track:
E-646-0653
E-646-0654

C-646-9974   F/A-18 Stores Management System Organizational Maintenance (Career)

As part of track:
E-646-0641

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
HARM Source Data	1 Set		On board

TRAINING ACTIVITY: MTU 1039 NAMTRAGRU DET
LOCATION, UIC: NAS Cecil Field   66050
CIN, COURSE TITLE: C-646-9973   F/A-18 Stores Management System (Initial) Organizational Maintenance

As part of track:
D-646-0653
D-646-0654

C-646-9974   F/A-18 Stores Management System Organizational Maintenance (Career)

As part of track:
D-646-0641

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
HARM Source Data	1 Set		On board

TRAINING ACTIVITY: MTU 1083 NAMTRAGRU DET
LOCATION, UIC: NAS Whidbey Island   66058
CIN, COURSE TITLE: C-646-9741   EA-6B Armament Systems   As part of track: E-646-1840

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
HARM Source Data	1 Set		On board

TRAINING ACTIVITY: MTU 4030 NAMTRAGRU DET
LOCATION, UIC: NS Mayport   66069
CIN, COURSE TITLE: C-122-3111   Air Launch Guided Missiles Intermediate Maintenance   As part of track: D-646-7007

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
HARM Source Data	1 Set		On board

TRAINING ACTIVITY: MTU 4032 NAMTRAGRU DET
LOCATION, UIC: NAS Norfolk   66046
CIN, COURSE TITLE: C-122-3111   Air Launch Guided Missiles Intermediate Maintenance   As part of track: D-646-7007

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
HARM Source Data	1 Set		On board

TRAINING ACTIVITY: MTU 4033 NAMTRAGRU DET
LOCATION, UIC: NAS North Island   66065
CIN, COURSE TITLE: C-122-3111   Air Launch Guided Missiles Intermediate Maintenance   As part of track: E-646-7007

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
HARM Source Data	1 Set		On board

TRAINING ACTIVITY: VMAT-203 FREST
LOCATION, UIC: MCAS Cherry Point   45483
CIN, COURSE TITLE: C-646-3105   Aviation Ordnance Intermediate Maintenance Technician   As part of track: M-646-7026

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
HARM Source Data	1 Set		On board

TRAINING ACTIVITY: Strike Fighter Weapons School
LOCATION, UIC: NAS Cecil Field   47084
CIN, COURSE TITLE: D-646-0640   F/A-18 Conventional Weapons Loading   As part of track: D-646-0653

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

D-646-0647   F/A-18 Conventional Weapons Release System Test

As part of track:
D-646-0653
D-102-0630

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
HARM Source Data	1 Set		On board

TRAINING ACTIVITY: Strike Fighter Weapons School
LOCATION, UIC: NAS Lemoore   35185
CIN, COURSE TITLE: E-646-0640   F/A-18 Conventional Weapons Loading

As part of track:
E-646-0653

E-646-0647   F/A-18 Conventional Weapons Release System Test

As part of track:
E-646-0653
E-102-0630

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
HARM Source Data	1 Set		On board

TRAINING ACTIVITY: Electronic Combat Weapons School
LOCATION, UIC: NAS Whidbey Island   47445
CIN, COURSE TITLE: E-646-1842   EA-6B Conventional Weapons Loading

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
HARM Source Data	1 Set		On board

TRAINING ACTIVITY: NAVSCOLEOD
LOCATION, UIC: Indian Head   30446
CIN, COURSE TITLE: A-431-0011   EOD Phase II (Navy)
A-431-0012   EOD Phase II

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
HARM Source Data	1 Set		On board

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

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
HARM Source Data	1 Set		On board

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

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
HARM Source Data	1 Set		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: VAQ-129
LOCATION, UIC: NAS Whidbey Island   00620
CIN, COURSE TITLE: E-2A-1815   EA-6B ICAP II Fleet Replacement Pilot Cat 1
                       E-2A-1816   EA-6B ICAP II Fleet Replacement Pilot Cat 2
                       E-2A-1817   EA-6B ICAP II Fleet Replacement Pilot Cat 3
                       E-2A-1818   EA-6B ICAP II Fleet Replacement Pilot Cat 4
                       E-2D-1817   EA-6B ICAP II Fleet Replacement ECMO Cat 1
                       E-2D-1818   EA-6B ICAP II Fleet Replacement ECMO Cat 2
                       E-2D-1819   EA-6B ICAP II Fleet Replacement ECMO Cat 3
                       E-2D-1820   EA-6B ICAP II Fleet Replacement ECMO Cat 4
                       E-2A-1819   Medium Attack Strike Training
                       C-646-9741   EA-6B Armament Systems Organizational Maintenance As part of track:
                                                                                            E-646-1840

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
Airborne Weapons Stores/Loading Manual, EA-6 and KA-6 , NAVAIR 01-85AD-75	Hard copy	6		On board
Conventional Weapons Checklist (Missile) NAVAIR 01-85AD-75-XX	Hard copy	6		On board
NATOPS Manual NAVAIR 01-85ADC-1B	Hard copy	6		On board
Tactical Manual NWP55-4-EA-6A/B	Hard copy	6		On board
Weapons Systems Operators Manual NAVAIR 01-85-ADC-1H	Hard copy	6		On board
HARM Tactical Manual TM-7912	Hard Copy	6		On-board

TRAINING ACTIVITY: VFA-106

LOCATION, UIC: NAS Cecil Field   09679
CIN, COURSE TITLE: D-2A-0601   F/A-18 Fleet Replacement Pilot Cat Cat 1
                       D-2A-0602   F/A-18 Fleet Replacement Pilot Cat Cat 2A
                       D-2A-0604   F/A-18 Fleet Replacement Pilot Cat Cat 3A
                       D-2A-0606   F/A-18 Fleet Replacement Pilot Cat 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 board
NATOPS Pocket Checklist A1-F18AC-NFM-500	Hard copy	6		On board
Tactical Manual A1-F18AC-TAC-000	Hard copy	6		On board
Tactical Manual Pocket Guide A1-F18AC-TAC-300	Hard copy	6		On board
HARM Tactical Manual TM-7912	Hard Copy	6		On-board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MTU 1038 NAMTRAGRU DET
LOCATION, UIC: NAS Lemoore   66060
CIN, COURSE TITLE: C-646-9973   F/A-18 Stores Management System (Initial) Organizational Maintenance

As part of track:
E-646-0653
E-646-0654

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
Airborne Weapons/Stores Loading Manual A1-F18AC-LWS-000	Hard copy	8		On board
Airborne Weapons/Stores Loading Manual A1-F18AE-LWS-000	Hard copy	8		On board

CIN, COURSE TITLE: C-646-9974   F/A-18 Stores Management System Organizational Maintenance (Career)

As part of track:
E-646-0641

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
Airborne Weapons/Stores Loading Manual A1-F18AE-LWS-000	Hard copy	8		On board

TRAINING ACTIVITY: MTU 1039 NAMTRAGRU DET
LOCATION, UIC: NAS Cecil Field   66050
CIN, COURSE TITLE: C-646-9973   F/A-18 Stores Management System (Initial) Organizational Maintenance

As part of track:
D-646-0653
D-646-0654

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
Airborne Weapons/Stores Loading Manual A1-F18AC-LWS-000	Hard copy	8		On board
Airborne Weapons/Stores Loading Manual A1-F18AE-LWS-000	Hard copy	8		On board

CIN, COURSE TITLE: C-646-9974   F/A-18 Stores Management System Organizational Maintenance (Career)

As part of track:
D-646-0641

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
Airborne Weapons/Stores Loading Manual A1-F18AE-LWS-000	Hard copy	8		On board

TRAINING ACTIVITY: MTU 1083 NAMTRAGRU DET
LOCATION, UIC: NAS Whidbey Island   66058
CIN, COURSE TITLE: C-646-9741   EA-6B Armament Systems

As part of track:
E-646-1840

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
CV NATOPS:	Hard copy	8		On board

IV.B.3. TECHNICAL MANUALS

NAVAIR 01-AGM-88A-0:	Hard copy	8	On board
NA-00-80T-105			
Maintenance Ammunition Ashore: NAVSEA OP-5 VOL I	Hard copy	8	On board
Maintenance Ammunition Ashore: NAVSEA OP-5 VOL II	Hard copy	8	On board

TRAINING ACTIVITY: MTU 4030, NAMTRAGRU DET
LOCATION, UIC: NS Mayport   66069
CIN, COURSE TITLE: C-122-3111   Air Launched Guided Missiles Intermediate Maintenance

As part of track:
D-646-7007

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
Technical Document List: NAVAIR 01-AGM-88A-0	Hard copy	8		On board
Missile Maintenance Manuals: NAVAIR 01-AGM-88A-2 NAVAIR 01-AGM-88A-2.1 NAVAIR 01-AGM-88A-2.2	Hard copy	8		On board
CV NATOPS: NA-00-80T-105	Hard copy	8		On board
Peculiar Support Equipment Manual: NAVAIR 01-AGM-88A-2.3 NAVAIR 16-30-DSM-158-1 NAVAIR 16-30-DSM-160-1 NAVAIR 16-30-DSM-161-1	Hard copy	8		On board
Maintenance Ammunition Ashore: NAVSEA OP-5	Hard copy	8		On board
Approved Handling Equipment for Weapons and Explosives: NAVSEA OP-2173 NAVAIR 19-100-1	Hard copy	8		On board
Catalog of Navy Ammunition Stock: TWO10-AA-ORD-010/030 NAVAIR 11-116A.B	Hard copy	8		On board
Airborne Weapons Packaging/Handling Storage, Shipboard, Volume II: NAVAIR 11-120A-1.2	Hard copy	8		On board
NATOPS Conventional Weapons Handling Procedures Ashore: NA-00-80T-103	Hard copy Hard copy	8 8		On board On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MTU 4032, NAMTRAGRU DET
LOCATION, UIC: NAS Norfolk   66046
CIN, COURSE TITLE: C-122-3111   Air Launched Guided Missiles Intermediate Maintenance

As part of track:
D-646-7007

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
Technical Document List: NAVAIR 01-AGM-88A-0	Hard copy	8		On board
Missile Maintenance Manuals: NAVAIR 01-AGM-88A-2 NAVAIR 01-AGM-88A-2.1 NAVAIR 01-AGM-88A-2.2	Hard copy	8		On board
CV NATOPS: NA-00-80T-105	Hard copy	8		On board
Peculiar Support Equipment Manual: NAVAIR 01-AGM-88A-2.3 NAVAIR 16-30-DSM-158-1 NAVAIR 16-30-DSM-160-1 NAVAIR 16-30-DSM-161-1	Hard copy	8		On board
Maintenance Ammunition Ashore: NAVSEA OP-5	Hard copy	8		On board
Approved Handling Equipment for Weapons and Explosives: NAVSEA OP-2173 NAVAIR 19-100-1	Hard copy	8		On board
Catalog of Navy Ammunition Stock: TWO10-AA-ORD-010/030 NAVAIR 11-116A, B	Hard copy	8		On board
Airborne Weapons Packaging/Handling Storage, Shipboard, Volume II: NAVAIR 11-120A-1.2	Hard copy	8		On board
NATOPS Conventional Weapons Handling Procedures Ashore: NA-00-80T-103	Hard copy Hard copy	8 8		On board On board

TRAINING ACTIVITY: MTU 4033, NAMTRAGRU DET
LOCATION, UIC: NAS North Island   66065
CIN, COURSE TITLE: C-122-3111   Air Launched Guided Missiles Intermediate Maintenance

As part of track:
E-646-7007

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
Technical Document List: NAVAIR 01-AGM-88A-0	Hard copy	8		On board
HARM Missile Maintenance Manuals: NAVAIR 01-AGM-88A-2	Hard copy	8		On board

IV.B.3. TECHNICAL MANUALS

NAVAIR 01-AGM-88A-2.1
NAVAIR 01-AGM-88A-2.2

CV NATOPS: NA-00-80T-105	Hard copy	8		On board
Peculiar Support Equipment Manual: NAVAIR 01-AGM-88A-2.3 NAVAIR 16-30-DSM-158-1 NAVAIR 16-30-DSM-160-1 NAVAIR 16-30-DSM-161-1	Hard copy	8		On board
Maintenance Ammunition Ashore: NAVSEA OP-5	Hard copy	8		On board
Approved Handling Equipment for Weapons and Explosives: NAVSEA OP-2173 NAVAIR 19-100-1	Hard copy	8		On board
Catalog of Navy Ammunition Stock: TWO10-AA-ORD-010/030 NAVAIR 11-116A, B	Hard copy	8		On board
Airborne Weapons Packaging/Handling Storage, Shipboard, Volume II: NAVAIR 11-120A-1.2	Hard copy	8		On board
NATOPS Conventional Weapons Handling	Hard copy	8		On board
Procedures Ashore: NA-00-80T-103	Hard copy	8		On board

TRAINING ACTIVITY: VMAT-203 FREST
LOCATION, UIC: MCAS Cherry Point   45483
CIN, COURSE TITLE: C-646-3105   Aviation Ordnance Intermediate Maintenance Technician

As part of track:
M-646-7026

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
HARM Manuals: NAVAIR 01-AGM-88A-0: NAVAIR 01-AGM-88A-2 NAVAIR 01-AGM-88A-2.1 NAVAIR 01-AGM-88A-2.2	Hard copy	8		On board
Afloat/NAS/MCAS AW-820CE-MIB-010	Hard copy	8		On board
Airborne Weapons Assembly Manual Air Launched Guided Missiles and Selected Vehicles Volume I Air Intercept Missiles (Tactical) Organizational and Intermediate Activities NA 11-140-6.1	Hard copy	8		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: Strike Fighter Weapons School
LOCATION, UIC: NAS Lemoore   35185
CIN, COURSE TITLE: E-646-0640   F/A-18 Conventional Weapons Loading   As part of track: E-646-0653

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
Airborne Weapons/Stores Loading Manual A1-F18AC-LWS-000	Hard copy	10		On board
Airborne Weapons/Stores Loading Manual A1-F18AE-LWS-000	Hard copy	10		On board

CIN, COURSE TITLE: E-646-0647   F/A-18 Release System Test   As part of track: E-646-0653 / E-102-0630

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
Airborne Weapons/Stores Loading Manual A1-F18AC-LWS-000	Hard copy	10		On board
Airborne Weapons/Stores Loading Manual A1-F18AE-LWS-000	Hard copy	10		On board

TRAINING ACTIVITY: Strike Fighter Weapons School
LOCATION, UIC: NAS Cecil Field   47084
CIN, COURSE TITLE: D-646-0640   F/A-18 Conventional Weapons Loading   As part of track: D-646-0653

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
Airborne Weapons/Stores Loading Manual A1-F18AC-LWS-000	Hard copy	10		On board
Airborne Weapons/Stores Loading Manual A1-F18AE-LWS-000	Hard copy	10		On board

CIN, COURSE TITLE: D-646-0647   F/A-18 Release System Test   As part of track: D-646-0653 / D-102-0630

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
Airborne Weapons/Stores Loading Manual A1-F18AC-LWS-000	Hard copy	10		On board
Airborne Weapons/Stores Loading Manual A1-F18AE-LWS-000	Hard copy	10		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: Electronic Combat Weapons School
LOCATION, UIC: NAS Whidbey Island   47445
CIN, COURSE TITLE: E-646-1842   EA-6B Conventional Weapons Loading

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
HARM Manual NAVAIR 01-AGM-88A-2	Hard copy	6		On board
Airborne Weapons Stores/Loading Manual, EA-6 and KA-6 NAVAIR 01-85AD-75	Hard copy	6		On board
Conventional Weapons Checklist (Missile) NAVAIR 01-85AD-75-XX	Hard copy	6		On board
Guided Missile LAU-118 NAVAIR 11-75A-78	Hard copy	6		On board
EA-6B Tactical Manual NAVAIR 01-85ADC-1T	Hard copy	6		On board

TRAINING ACTIVITY: NAVSCOLEOD
LOCATION, UIC: Indian Head   30446
CIN, COURSE TITLE: A-431-0011   EOD Phase II (Navy)
                       A-431-0012   EOD Phase II

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
Explosive Ordnance Disposal Book EODB60G-02-2-34-5	CD-ROM	150		On board

TRAINING ACTIVITY: EODTEU ONE
LOCATION, UIC: NAS Barbers Point   30202
CIN, COURSE TITLE: A-431-0011   EOD Pre-deployment Team Training

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
Explosive Ordnance Disposal Book EODB60G-02-2-34-5	CD-ROM	4		On board

TRAINING ACTIVITY: EODTEU TWO
LOCATION, UIC: Fort Story   43505
CIN, COURSE TITLE: A-431-0011   EOD Pre-deployment Team Training

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
Explosive Ordnance Disposal Book EODB60G-02-2-34-5	CD-ROM	4		On board

COG CODE	MPT MILESTONES	DATE	STATUS
PDA	AGM-88/A DT	10/80	Completed
PDA	AGM-88/A OT	11/82	Completed
PDA	AGM-88/A IOC Attained	FY83	Completed
ASO	MSD Attained	10/83	Completed
PDA	AGM-88/C IOC Attained	FY84	Completed
PDA	AGM-88/B IOC Attained	FY86	Completed
PDA	AGM-88/B (Block II) DT	8/86	Completed
PDA	AGM-88/C DT IIIA	7/89	Completed
PDA	AGM-88/B (Block III) DT and OT	12/89	Completed
PDA	AGM-88/C DT IIIB	10/91	Completed
PDA	OLSP Change 10	2/92	Completed
COMPTEVOR	Block IV OPEVAL	2/93	Completed
PDA	Block IV Production Contract Award	4/93	Completed
PDA	AGM-88/C OT IIIA	5/93	Completed
TSA	Block IV Factory Training and Curriculum Material	9/93	Completed
TSA	Commence Block IV Initial Training	11/93	Completed
TSA	Block IV Curricula Materials Delivered	FY94	Completed
TA	Commence Follow-on/Replacement Block IV Training	FY94	Completed
TSA	Block IV Training Devices Delivered	3/94	Completed
PDA	Draft NTP to ALCON for Review and Comments	3/94	Completed
PDA	Proposed NTP Submitted to OPNAV	4/94	Completed
PDA	OLSP Change 11	7/94	Completed
DCNO/DMSO	Chair Navy Training Plan Conference		As Required
PMA205	Preliminary Draft NTSP (Update)	9/97	Completed

PART VI - ACTION ITEMS / ACTION REQUIRED

ACTION ITEM OR ACTION REQUIRED	COMMAND ACTION	DUE DATE	STATUS
Training Equipment Shortfalls for C-646-3105 See note below.	PMA205/NAMTRAGRU		Open

Note: As noted by NAMTRAGRU DET Cherry Point, the following list of significant equipment reflects shortages for course C-646-3105, as of February 1997:

NOMENCLATURE	ESL	AVAILABLE FROM: VMFAT-101	HMT-303
LAU-116	4	0	0
LAU-117	1	0	0
LAU-118	4	0	0
LAU-127	4	0	0
SUU-62	2	0	0
SUU-63	2	0	0
BRU-20	2	0	0
BRU-21	2	0	0
BRU-22	1	0	0
BRU-23	1	0	0
BRU-32	2	0	0
BRU-36	4	0	0
BRU-42	4	0	0
Aircraft Store Ejector Rack	3	0	0
TML	2	0	0

PART VII - HARM POINTS OF CONTACT

NAME, ACTIVITY, CODE	FUNCTION	TELEPHONE NUMBERS COMMERCIAL, DSN, FAX INTERNET ADDRESS
John Heidt CNO N880C6	Program/Resource Sponsor	(703) 614-2692, DSN 224 (703) 693-9553 (fax) heidt.john@hq.navy.mil
CAPT F. Smith CNO N889H	Aviation Technical Training	(703) 604-7730, DSN 664 (703) 604-6969 (fax) smith.frank@hq.navy.mil
MSGT Anderson CNO N889H6	NTSP Policy	(703) 604-7722, DSN 664 (703) 604-6939 (fax) anderson.david@hq.navy.mil
AZC S. Dean CNO N889H7	NTSP Manager	(703) 604-7714, DSN 664 (703) 604-6939 (fax) dean.scott@hq.navy.mil
LTCOL W. Robinette CMC CMC HQ ASL-30	Aviation Ordnance Coordinator/CMC Sponsor	(703) 614-1133, DSN 224 (703) 697-7343 (fax) robinette_jrw@mqp-smtp3.usmc.mil
LTCOL Klauser MPD Quantico C463FT	Formal Training Plans	(703) 240-3065, DSN 278
CAPT R. Russel NAVAIRSYSCOM PMA242	Program Manager	(301) 757-7422, DSN 757 (301) 757-7418 (fax) russelrw.jfk@navair.navy.mil
Pete Reeve NAVAIRSYSCOM AIR-311K	APML	(301) 757-7410, DSN 757 301) 757-7418 (fax) reevep.jfk@navair.navy.mil
Bill Laray NAVAIRSYSCOM PMA205-3H	Air-to-Ground Weapons APMTS	(301) 757-8154, DSN 757 (301) 757-6945 (fax) Laraywr%am6@mr.nawcad.navy.mil
AOCS C. Jones NAVAIRSYSCOM PMA205-3H1	HARM Training System Manager (TSM)	(301) 757-8100, DSN 757 (301) 757-8079 (fax) jonescd.jfk@navair.navy.mil
Oscar Robinson COMNAVAIRLANT N85C	Ship's Weapons Installation Manager	(757) 444-7481, DSN 564 (757) 444-7483 (fax) n85c@airlant.navy.mil
CDR R. Martin CNET T251	Aviation Technical Training	(904) 452-4915, DSN 922 (904) 452-8485 (fax) cnet.t251@smtp.cnet.navy.com

PART VII - HARM POINTS OF CONTACT

NAME, ACTIVITY, CODE	FUNCTION	TELEPHONE NUMBERS COMMERCIAL, DSN, FAX INTERNET ADDRESS
AOCM T. Carroll NAMTTRAGRU HQ N2412	Air Launched Weapons Technical Coordinator	(904) 452-8911, DSN 922 (904) 452-9769 (fax) namtghq.n2412@smtp.cnet.navy.mil
CAPT Rogers NAVSTKAIRWARCEN N5	Pilot/NFO Training	(702) 426-3935, DSN 890 (702) 426- 2662 (fax) ais@nsawc.org
LCDR S. Eaton NAWCWPNS China Lake	HARM Project Manager/Weapon Support Team Lead	(760) 939-0428 DSN 437
LT Nielsen VX-9 China Lake	Operation Test Director	(760) 939-4901 DSN 469
Ken Claunch NAWCWPNS China Lake 341000D	Fleet Support Manager	(760) 927-1218, DSN 469 (760) 927-2616 ken_claunch@imdgw.chinalake.navy.mil
BMC T. Sharp NAVSCOLEOD N-42	Training Aids Acquisition	(301) 743-4142, DSN 354 (301) 743-6763 (fax) shar4458@smtppost.ih.navy.mil
D. Simmons MPM School 860W	Training Specialist	(301) 743-4741, DSN 364 (301) 753-6371 (fax) 860w@wpntrng.ih.navy.mil
P. Szczyglowski NAVAIRSYSCOM 3.4.1	Competency Manager	(301) 757-9182, DSN 757 (301) 342-4723 (fax) szczyglowski_phil%pax8b@mr.nawcad.navy.mil
AVCM Roger Lovern NAVAIRSYSCOM 3.4.1	NTSP Manager	(301) 757-9183, DSN 757 (301) 342-4723 (fax) lovern_roger%pax8b@mr.nawcad.navy.mi
ATCS D. Butler NAVAIRSYSCOM 3.4.1	NTSP Coordinator	(301) 757-9188, DSN 757 (301) 342-4723 (fax) butler_dell%pax8b@mr.nawcad.navy.mil