

DRAFT

NAVY TRAINING SYSTEM PLAN

FOR THE

AIM-9X

SIDEWINDER MISSILE SYSTEM

N88-NTSP-A-50-9601A/D

APRIL 2000

AIM-9X SIDEWINDER MISSILE SYSTEM

EXECUTIVE SUMMARY

This Navy Training System Plan (NTSP) has been developed in accordance with OPNAVINST 1500.76 to identify the life cycle manpower, personnel, and training requirements associated with the AIM-9X Sidewinder Missile.

The AIM-9X is being developed as a short-range air-to-air missile with enhanced target acquisition capabilities, using the existing AIM-9M Sidewinder Missile warhead, rocket motor, and fuze components in combination with a new seeker/guidance and jet vane control section. The mission of the AIM-9X is to detect, home-in, intercept, and destroy enemy aircraft. The AIM-9X acquisition program is currently in the Engineering and Manufacturing Development (E&MD) phase of the Weapon System Acquisition Process.

The maintenance concept for the AIM-9X is based on an overall objective to assure that All-Up-Round (AUR) missiles are available to fulfill commitments of operational activities, and to provide the means to restore unserviceable missiles to serviceable condition with minimum downtime. Maintenance requirements are allocated to three levels of maintenance as defined in the Naval Ordnance Maintenance Management Program (NOMMP), OPNAVINST 8000.16 (series).

The AIM-9X will not alter the operator (pilot) manpower requirements at any organizational activity (aircraft squadron). No new skills are required for operation of the AIM-9X. The skills required to operate the AIM-9X are compatible with the skills required to operate the AIM-9M, therefore no new Naval Officer Billet Code or Military Occupational Specialty (MOS) is required.

The AIM-9X will not alter the manpower requirements at any organizational or intermediate level maintenance activity. No new skills are required for maintenance of the AIM-9X at the organizational or intermediate levels of maintenance. The skills required to perform maintenance on the AIM-9X are compatible with existing skills required to perform maintenance on the AIM-9M under the AUR maintenance concept; therefore, no new Naval Enlisted Classifications (NECs) or MOSs are required. Raytheon Missile Systems (RMS) will provide AUR and component-level maintenance throughout the missile's life cycle. Therefore, the AIM-9X will not alter the manpower requirements at organic AUR and component-level maintenance activities.

Existing operator and maintenance training courses for the AIM-9M will be modified to include AIM-9X information. These modifications will incorporate AIM-9X information into course curricula without changing course lengths or student billets.

AIM-9X SIDEWINDER MISSILE SYSTEM

TABLE OF CONTENTS

	Page
Executive Summary.....	i
List of Acronyms.....	iii
Preface.....	viii
 PART I - TECHNICAL PROGRAM DATA	
A. Title-Nomenclature-Program	I-1
B. Security Classification	I-1
C. NTSP Principals	I-1
D. System Description.....	I-2
E. Developmental Test and Operational Test.....	I-2
F. Aircraft and/or Equipment/System/Subsystem Replaced	I-4
G. Description of New Development	I-4
H. Concepts	I-9
I. Onboard (In-Service) Training.....	I-26
J. Logistics Support	I-28
K. Schedules	I-31
L. Government Furnished Equipment and Contractor Furnished Equipment Training Requirements.....	I-31
M. Related NTSPs and Other Applicable Documents	I-32
 PART II - BILLET AND PERSONNEL REQUIREMENTS	 II-1
 PART III - TRAINING REQUIREMENTS.....	 III-1
 PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS.....	 IV-1
 PART V - MPT MILESTONES.....	 V-1
 PART VI - DECISION ITEMS/ACTION REQUIRED	 VI-1
 PART VII - POINTS OF CONTACT	 VII-1

AIM-9X SIDEWINDER MISSILE SYSTEM

LIST OF ACRONYMS

ABF	Annular Blast Fragmentation
AC	Alternating Current
ACMI	Air Combat Maneuvering Instructor
ACTI	Air Combat Tactics Instructor
AFD	Arm and Fire Device
AIMD	Aircraft Intermediate Maintenance Department
ALSP	Acquisition Logistics Support Plan
AMRAAM	Advanced Medium-Range Air-to-Air Missile
AMTCS	Aviation Maintenance Training Continuum System
AO	Aviation Ordnanceman
AOTD	Active Optical Target Detector
ASRAAM	Advanced Short-Range Air-to-Air Missile
AT	Aviation Electronics Technician
AUR	All-Up-Round
AWL	Advanced Weapons Laboratory
BIT	Built-In Test
CAI	Computer-Aided Instruction
CANTRAC	Catalog of Navy Training Courses
CAS	Control Actuation System
CATM	Captive Air Training Missile
CBT	Computer-Based Training
CCRP	Captive Carriage Reliability Program
CEST	Classroom Explosive Ordnance Disposal System Trainer
CIN	Course Identification Number
CINCLANTFLT	Commander in Chief, Atlantic Fleet
CINCPACFLT	Commander in Chief, Pacific Fleet
CITIS	Contractor Integrated Technical Information Service
CMBRE	Common Munitions BIT Reprogramming Equipment
CMC	Commandant of the Marine Corps
CMI	Computer Managed Instruction
CNET	Chief of Naval Education and Training
CNO	Chief of Naval Operations
COMNAVAIRRESFOR	Commander Naval Air Reserve Force
CRALTS	Common Racks And Launcher Test Set
CV	Aircraft Carrier
CVN	Aircraft Carrier, Nuclear

AIM-9X SIDEWINDER MISSILE SYSTEM

LIST OF ACRONYMS

CWTPI	Conventional Weapon Technical Proficiency Inspection
DAB	Defense Acquisition Board
DATM	Dummy Air Training Missile
DEFTACI	Defensive Tactics Instructor
DEM/VAL	Demonstration and Validation
DT	Development Test
DT/OT	Development Test/Operational Test
E&MD	Engineering and Manufacturing Development
ECP	Engineering Change Proposal
EDM	Engineering Development Models
EOA	Early Operational Assessment
EOD	Explosive Ordnance Disposal
EODTEU	Explosive Ordnance Disposal Training and Evaluation Unit
ESAD	Electronic Safe and Arm Device
FMS	Foreign Military Sales
FPA	Focal Plane Array
FREST	Fleet Replacement Enlisted Skills Training
FRS	Fleet Readiness Squadron
FY	Fiscal Year
GCS	Guidance Control Section
GS	Guidance Section
HMSC	Hughes Missile Systems Company
HSIP	Human Systems Integration Plan
ICW	Interactive Courseware
ILSP	Integrated Logistics Support Plan
IOC	Initial Operating Capability
IPT	Integrated Product Team
IR	Infrared
IRCCM	Infrared Counter-Counter Measures
JDAM	Joint Direct Attack Munition
JHMCS	Joint Helmet Mounted Cueing System

AIM-9X SIDEWINDER MISSILE SYSTEM

LIST OF ACRONYMS

JRB	Joint Reserve Base
JSOW	Joint Stand-Off Weapon
LANT	Atlantic
LRIP	Low-Rate Initial Production
MAD	Marine Aviation Detachment
MALS	Marine Aviation Logistics Squadron
MAP	Munitions Application Program
MATMEP	Marine Aviation Training Management Evaluation Program
MAWTS	Marine Aviation Weapons and Tactics Squadron
MCAS	Marine Corps Air Station
MCCDC	Marine Corps Combat Development Command
MOAT	Missile On-Aircraft Test
MOS	Military Occupational Specialty
MPT	Manpower, Personnel, and Training
MSD	Material Support Date
MTIP	Maintenance Training Improvement Program
MTU	Maintenance Training Unit
NA	Not Applicable
NAMTRAGRU DET	Naval Air Maintenance Training Group Detachment
NAS	Naval Air Station
NAST	Naval Air Systems Team
NATTC	Naval Air Technical Training Center
NAVAIRSYSCOM	Naval Air Systems Command
NAVPERSCOM	Naval Personnel Command
NAVSCOLEOD	Navy EOD School
NAVWPNTSTRON	Naval Weapons Test Squadron
NAWCWD	Naval Air Warfare Center Weapons Division
NAWMU	Naval Airborne Weapons Maintenance Unit
NCEA	Non-Combat Expenditure Allowance
NEC	Navy Enlisted Classification
NOMMP	Naval Ordnance Maintenance Management Program
NS	Naval Station
NSAWC	Naval Strike and Air Warfare Center
NTP	Navy Training Plan
NTRDM	Naval Training Requirements Documentation Manual

AIM-9X SIDEWINDER MISSILE SYSTEM

LIST OF ACRONYMS

NTSP	Navy Training System Plan
OA	Operational Assessment
OATMS	OPNAV Aviation Training Management System
OPEVAL	Operational Evaluation
OPNAV	Office of the Chief of Naval Operations
OPNAVINST	Office of the Chief of Naval Operations Instruction
OPO	OPNAV Principal Official
OPTEVFOR	Operational Test and Evaluation Force
OT	Operational Test
OTRR	Operational Test Readiness Review
PAC	Pacific
PC	Personal Computer
PCMCIA	Personal Computer Memory Card International Association
PDA	Principal Development Agency
PDM	Program Document Management (system)
PEO	Program Executive Officer
PEST	Practical Explosive Ordnance Disposal System Trainer
PMA	Program Manager, Air
PRM	Production Representative Model
P/SS	Propulsion and Steering Section
RFOU	Ready for Operational Use
RFT	Ready For Training
RMS	Raytheon Missile Systems
RSP	Render Safe Procedure
SAMP	Single Acquisition Management Plan
SASH	Safe and Arm Selector Handle
SCTV	Separation and Control Test Vehicle
SEAM	Sidewinder Expanded Acquisition Mode
SFARP	Strike Fighter Advanced Readiness Program
SFTI	Strike Fighter Tactics Instructor
SFTP	Strike Fighter Training Program
SFTS	Strike Fighter Training System
SFWE	Strike Fighter Weapons Employment
SFWS	Strike Fighter Weapons School

AIM-9X SIDEWINDER MISSILE SYSTEM

LIST OF ACRONYMS

SFWSL	Strike Fighter Weapons School, Atlantic
SFWSP	Strike Fighter Weapons School, Pacific
SFWT	Strike Fighter Weapons and Tactics
SWATSLANT	Strike Weapons and Tactics Atlantic
T&E	Test and Evaluation
TBD	To Be Determined
TD	Training Device
TECHEVAL	Technical Evaluation
TEMP	Test and Evaluation Master Plan
TOFT	Tactics and Operational Flight Trainer
TPS	Test Program Set
TTE	Technical Training Equipment
USMC	United States Marine Corps
USN	United States Navy
VFA	Fighter Attack Squadron
VMAT	Marine Attack Training Squadron
VMFA	Marine Fighter Attack Squadron
VMFAT	Marine Fighter Attack Training Squadron
VX	Air Test and Evaluation Squadron
WG	Wage Grade
WSESRB	Weapons Systems Explosive Safety Review Board
WSO	Weapon and Sensor Officer
WST	Weapons Systems Trainer
WTI	Weapons and Tactics Instructor
WTT	Weapons Tactics Trainer

AIM-9X SIDEWINDER MISSILE SYSTEM

PREFACE

This Draft Navy Training System Plan (NTSP) for the AIM-9X Sidewinder Missile is an update of the Approved AIM-9X NTSP, N88-NTSP-A-50-9601, dated May 1998. It complies with OPNAVINST 1500.76 and the guidelines set forth in the Navy Training Requirements Documentation Manual (NTRDM), P-751-1-9-97.

The major changes to this NTSP consist of:

- Part I -** Updated to reflect progress made during the design, development, and testing of the AIM-9X.
- Part II -** Recalculated to depict current billet requirements of fleet support units through Fiscal Year (FY) 04.
- Part III -** In addition to reflecting the changes mentioned above, this part has been updated by recalculating chargeable student billets through FY04.
- Part IV -** Updated to refine the training and training logistics support requirements.
- Part V -** Updated to reflect programmatic and technical schedule changes.
- Part VI -** Updated to include open action/watch items.
- Part VII -** Updated to reflect current Points of Contact.

PART I - TECHNICAL PROGRAM DATA

A. NOMENCLATURE-TITLE-PROGRAM

1. **Nomenclature-Title-Acronym.** Sidewinder Missile System - AIM-9X
2. **Program Element.** 0603715D

B. SECURITY CLASSIFICATION

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

C. MANPOWER, PERSONNEL, AND TRAINING PRINCIPALS

- OPNAV Principal Official (OPO) Program Sponsor..... CNO (N88)
- OPO Resource Sponsor CNO (N880C7)
- Marine Corps Program Sponsor..... CMC (ASL-30)
- Developing Agency PEO (T) (PMA259)
- Training Agency CINCLANTFLT
CINCPACFLT
CNET
COMNAVAIRRESFOR
NSAWC
- Training Support Agency..... NAVAIRSYSCOM (PMA205)
COMNAVAIRRESFOR (N3W)
- Manpower and Personnel Mission Sponsor CNO (N12)
NAVPERSCOM (PERS-4, PERS-404)
- Director of Naval Training..... CNO (N7)
- Commander, Reserve Program ManagerCOMNAVAIRRESFOR (N3W)
- Marine Corps Force Structure..... MCCDC (C-5352)

D. SYSTEM DESCRIPTION

1. Operational Uses. The AIM-9X Sidewinder Missile, hereafter referred to as the AIM-9X, is a supersonic, short-range, air-to-air missile with enhanced target acquisition capabilities. The AIM-9X will be flown on active duty and Reserve Navy and Marine Corps fighter and attack aircraft, in both offensive and defensive counter-air missions as a highly maneuverable, launch and leave missile with passive infrared (IR) guidance. It will provide full day and night capability, resistance to countermeasures, increased off-boresight angle acquisition and launch capability, increased maneuverability, and improved target acquisition over the current inventory AIM-9M.

2. Foreign Military Sales. The AIM-9X program is a joint United States Navy (USN) and United States Air Force procurement, with the USN designated as the lead service. Other versions of the AIM-9 (series) Sidewinder have been the subject of Foreign Military Sales (FMS) activity. Multiple countries have approached the AIM-9X program for potential sales.

E. DEVELOPMENTAL TEST AND OPERATIONAL TEST. Naval Air Systems Command (NAVAIRSYSCOM) Air-to-Air Missiles, Program Manager, Air (PMA 259) is the acquisition and development agency for AIM-9X. Table I-1 lists the Engineering and Manufacturing Development (E&MD) phase Test and Evaluation (T&E) schedule (Source: Test and Evaluation Master Plan (TEMP) Revision C).

TABLE I-1. AIM-9X E&MD T&E SCHEDULE.

TEST PHASE	PERIOD
Developmental Test (DT)-IIA	Jan 97 - Aug 98
DT-IIB/C	Sep 98 - Dec 00
Operational Test (OT)-IIA	Sep 99 - Jul 00
DT-IIID Technical (TECHEVAL)	Nov 00 - Aug 01
Captive Carriage Reliability Program (CCRP)	May 00 - Sep 02
DT Assist	Jun 01 - Aug 01
OT-IIB Operational Evaluation (OPEVAL)	Nov 01 - Oct 02

1. Developmental Test and Operational Test Not Completed. The AIM-9X T&E program is currently in the DT-IIB/C test and OT-IIA phases. The AIM-9X T&E program completed DT-IIA in August 1998, began DT-IIB/C in September 1998, and began OT-IIA Operational Assessment (OA) in September 1999. The DT-IIID TECHEVAL, CCRP, DT Assist, and OT-IIB OPEVAL phases will follow using the F/A-18C/D aircraft to assess and verify operational effectiveness, supportability, and suitability of the AIM-9X missile for fleet

introduction. TECHEVAL will be performed in FY00/01 by the Sidewinder Program Office using the F/A-18 Advanced Weapons Laboratory (AWL) and the Naval Weapons Test Squadron (NAVWPNTSTRON) at the Naval Air Warfare Center Weapons Division (NAWCWD), China Lake, California. Using the Fleet's Air Test and Evaluation Squadron (VX)-9, the Operational Test and Evaluation Force (OPTEVFOR) will perform OPEVAL under actual fleet conditions in FY02. Schedules for follow-on integration with other aircraft are in development.

2. Developmental Test Completed

a. Developmental Test -I. During the AIM-9X Demonstration and Validation Phase (DEM/VAL), the Government conducted an Early Operational Assessment (EOA) of the BOXOFFICE (II) airframe. Wind tunnel tests were performed, and 14 firings were conducted. Additionally, the Government performed an EOA on the Advanced Short-Range Air-to-Air Missile (ASRAAM) as part of a mandatory Foreign Comparative Test requirement. As part of the two-contract DEM/VAL and DT-I phases of the program, contractors conducted laboratory demonstrations, and ground-to-air and captive carry flight tests using seeker hardware and trade studies. Laboratory demonstrations concentrated on detector/non-uniformity compensation, cooling and gimbal/platform stabilization. Ground-to-air and captive carry tests concentrated on signal processing, which gave each contractor an opportunity to mature algorithms and hardware, and make improvements in Infrared Counter-Counter Measures (IRCCM) and acquisition performance in an iterative series of test events.

b. Developmental Test -II. In January 1997, the E&MD contract was awarded to Hughes Missile System Company (HMSC), which has since become Raytheon Missile System (RMS).

(1) Developmental Test -IIA. The DT-IIA phase began in January 1997 with the award of the E&MD contract. In May 1997, the first flight of the DT-IIA phase was flown, which was a captive carry flight to perform a system checkout. The DT-IIA phase continued captive carry flight tests through the August 1998, focusing on seeker acquisition, tracking, guidance, and autopilot algorithms, and the aircraft interface. During this phase of testing, the RMS supported loading operations, and pilots flew scene/target image-gathering missions. AIM-9X training for operation and maintenance tasks were not required.

(2) Developmental Test -IIB/C. The DT-IIB/C phase began in September 1998 and will continue through August 2000. To date, the first ten Separation and Control Test Vehicles (SCTVs) have been launched, each flying pre-programmed flight paths to demonstrate airframe safe separation, aerodynamic control, and stability. SCTVs do not contain seeker electronics. In June 1999, the first of four Engineering Development Models (EDMs) was successfully launched against a QF-4 target to demonstrate seeker acquisition, tracking, and guidance performance in blue sky. In August 1999, the second of four EDM was successfully launched against a QF-4 target to demonstrate seeker acquisition, tracking, and guidance performance in desert background. In December 1999, the third of four EDM was successfully launched against a QF-4 target to demonstrate performance in a two-circle engagement. EDM launches (four total) and Production Representative Model (PRM) launches (seven total) will

continue through DT-IIB/C. During DT-IIB/C, RMS developed AIM-9X Theory of Operation, F/A-18C/D Aircrew Procedures, F/A-18 Loading Procedures, F-15C/D Aircrew Procedures, and F-15C/D Loading Procedures training modules, which were presented to the Navy and Air Force T&E personnel prior to the first test event at each test site. AIM-9X loading training for the F/A-18 aircraft was presented to NAVWPNTSTRON at NAWCWD China Lake on 30 June 1998, while AIM-9X theory of operation and F/A-18 aircrew procedures training was presented to AIM-9X project pilots and AWL test pilots at Boeing St. Louis in conjunction with JHMCS training on 15 July 1998. Training Integrated Program Team (IPT) members reviewed the training materials 90 days prior to instruction, and audited the instruction as well. Training IPT members will review, audit, and update these training materials and future materials continually throughout the E&MD phase.

3. Operational Test Completed

a. Operational Test -II

(1) Operational Test -IIA. OT-IIA began in September 1999 with the OA Operational Test Readiness Review (OTRR) certification. This phase consists of 250 hours of captive carriage tests followed by five EDM launches to assess the potential suitability of the AIM-9X. In preparation for the start of this test phase, AIM-9X F/A-18 Loading Procedures training was presented to VX-9 ordnancemen at NAWCWD China Lake on 8 September 1999, while AIM-9X Theory of Operation and F/A-18 Aircrew Procedures training was presented to VX-9 test pilots at Boeing St. Louis in conjunction with JHMCS training on 14 July 1999. An informal brief covering container inspection, missile unpacking, and missile inspection was presented to NAWCWD China Lake Station Weapons personnel (civilians) on 9 September 1999.

F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED. The RMS AIM-9X design uses and modifies the existing AIM-9M rocket motor (Mk36 Mod 11), warhead (WAU-17/B), and Active Optical Target Detector (AOTD) (DSU-15A/B and DSU-15B/B). The Government will supply these components to RMS during the E&MD phase to build AIM-9X configurations. Because of the AIM-9X production schedule and existing AIM-9M inventory, however, the AIM-9X will replace the AIM-9M in a phased approach.

G. DESCRIPTION OF NEW DEVELOPMENT

1. Functional Description. The AIM-9X is a supersonic, air-to-air, guided missile that employs a passive IR target acquisition system, proportional navigational guidance, a closed-loop position servo Control Actuation Section (CAS), and an AOTD. The AIM-9X is launched from an aircraft after target detection to home-in on IR emissions and to intercept and destroy enemy aircraft. The missile interfaces with the aircraft through the missile launcher (either the LAU-7D/A or LAU-127A/A) using a forward umbilical cable, and/or a mid-body umbilical connector and three missile hangars. The AIM-9X has three basic phases of operation: captive flight, launch, and free flight.

The AIM-9X uses/modifies the existing AIM-9M AOTD, warhead, and rocket motor, but incorporates a new Guidance Section (GS), new hangars, a new mid-body connector, new harness and harness cover, new titanium wings and fins, and a new CAS. The missile is propelled by the AIM-9M solid-propellant rocket motor, but uses a new Arm and Fire Device (AFD) handle design. Also, the AIM-9M rocket motor is modified to mount the CAS on its aft end. Four forward-mounted, fixed titanium wings provide aerodynamic lift and stability for the missile. Four titanium control fins mounted in line with the fixed wings and activated by the CAS accomplish airframe maneuvering. The CAS includes a thrust vector control system that uses four jet vanes to direct the flow of the rocket motor exhaust. The AIM-9X is configured with the AIM-9M Annular Blast Fragmentation (ABF) warhead, which incorporates a new Electronic Safe and Arm Device (ESAD) to arm the warhead after launch. The AIM-9M AOTD is used to detect the presence of a target at distances out to the maximum effective range of the missile warhead and to command detonation.

a. Guidance Section. The GS provides the missile tracking, guidance, and control signals. It consists of three major subassemblies: (1) a mid-wave IR Focal Plane Array (FPA) seeker assembly for detecting the target, (2) an electronics unit that converts the detected target information to tracking and guidance command signals, and (3) a center section containing the cryoengine, contact fuze device, two thermal batteries, and required harnesses and connectors. The coolant supply for the GS is provided by the twin-opposed-piston, linear drive, Stirling cryoengine, eliminating the need for external nitrogen supply via the launchers.

b. Active Optical Target Detector. The AIM-9X AOTD is the AIM-9M DSU-15A/A or DSU-15B/B modified and redesignated as the DSU-36 or DSU-37, respectively. These are the same AOTD used by AIM-9M with the exception that the forward end "V" groove is removed, because the forward marmon clamp, used to join the AIM-9M Guidance Control Section (GCS) to the AOTD, has been replaced with 14 captive screws. The AOTD is a narrow-beam, active optical, proximity fuze system. The AOTD transmits pulsed IR energy through the four forward windows and the reflected energy is received by an IR detector through the aft four windows. The purpose of the AOTD is to detect the presence of a target at distances out to the maximum effective range of the missile warhead and to generate an electrical firing signal so that the ESAD explosive train and warhead are detonated at a point where the average kill probability is maximized.

c. Warhead. The AIM-9X uses the WDU-17/B warhead; the same warhead used on the AIM-9M, but uses a different safe and arm device. The new ESAD fits into the hollow central cavity of the warhead, and arms the missile at a safe distance from the launch aircraft. The warhead is an explosive-loaded, end-initiated, annular blast, titanium rod fragmentation type warhead comprised of a case assembly, a transfer tube assembly, a loaded warhead booster, a PBXN-3 explosive charge, and an enclosure. It detonates upon receipt of the explosive output from the ESAD.

(1) Electronic Safe-Arm Device. The ESAD is an in-line explosive train, electronic-actuated firing device containing environmental sensor monitoring circuitry, safety logic circuitry, high voltage circuitry, and explosives. AIM-9X performance requirements for

extreme flight conditions and greatly enhanced maneuverability drove the ESAD design. ESAD arming occurs only after the ESAD receives the irreversible commit to launch signal, experiences the appropriate launch environment (sensed axial acceleration), and reaches a safe separation distance. Missile battery power, which is only available once the AIM-9X is committed to an engagement, powers the ESAD.

d. Propulsion and Steering Section. The AIM-9X Propulsion and Steering Section (P/SS) design modifies the existing AIM-9M Mk 36 Mod 11 rocket motor in order to mount the CAS on the aft end of the rocket motor and to provide a mid-body umbilical connector. The AIM-9X modifications to the Mk 36 Mod 11 rocket motor consist of machining off the AIM-9M wing ribs; removal of the submerged nozzle; attachment of a mid-body umbilical; conformal CAS electronics controller module; and an interconnecting harness mounted to the underside of the rocket motor case. Two electrical contacts buttons are in the forward hanger. The aft contact button is used to complete the rocket motor igniter circuit. The forward contact button is not used. The AIM-9X motor consists of a steel case; type X-61 (AS 6065) solid composite propellant grain; an igniter device; and an AFD.

(1) Forward Hanger/Mid-body Umbilical Connector and Buffer Connector. Slightly "taller" hangers for AIM-9X replace the hangers on the AIM-9M rocket motor. These taller hangers provide additional separation between the missile and the launcher. This separation is needed to provide adequate clearance for the AIM-9X on all launcher configurations. The middle and aft hanger mountings are unchanged from the AIM-9M configuration, while an integrated forward hanger/mid-body umbilical assembly replaces the AIM-9M forward hanger. The mid-body umbilical connector adds a mid-body interface for the LAU-127 launcher. This connection provides the missile MIL-STD-1553 digital communications with the launching aircraft, and requires a buffer connector similar to the Advanced Medium-Range Air-to-Air Missile (AMRAAM) buffer connector. The forward hanger/mid-body umbilical assembly is an integrated assembly that consists of the hanger, the mid-body umbilical connector, the umbilical cabling, and the rocket motor AFD wiring to the hanger striker points. The rocket motor AFD wiring is unchanged from that used in the AIM-9M and will interface with the striker points as in the AIM-9M configuration.

(2) Arm-Fire Device. The AFD is a manual safety device that prevents the inadvertent firing of the rocket motor. The device is switched to the arm position on the flight line by the ground crew prior to flight. It is the same Mk 297 AFD that is currently used on AIM-9M, although the handle is modified to allow for the new harness cover. The new handle is called the Safe and Arm Selector Handle (SASH). The handle is a "PLUS" or cross design with four extensions. This design provides a visual confirmation of the arm/safe condition of the rocket motor. Three of the extensions are painted black and the fourth is painted white. The safe or armed condition is indicated by the position of the white extension in relation to the ARM/SAFE indication on the rocket motor harness cover decal.

(3) Control Actuation System. The CAS provides AIM-9X flight control, and connects to the aft end of the rocket motor. The CAS is a thrust vector control system consisting of four movable aerodynamic tail fins and four jet vanes that direct the flow of

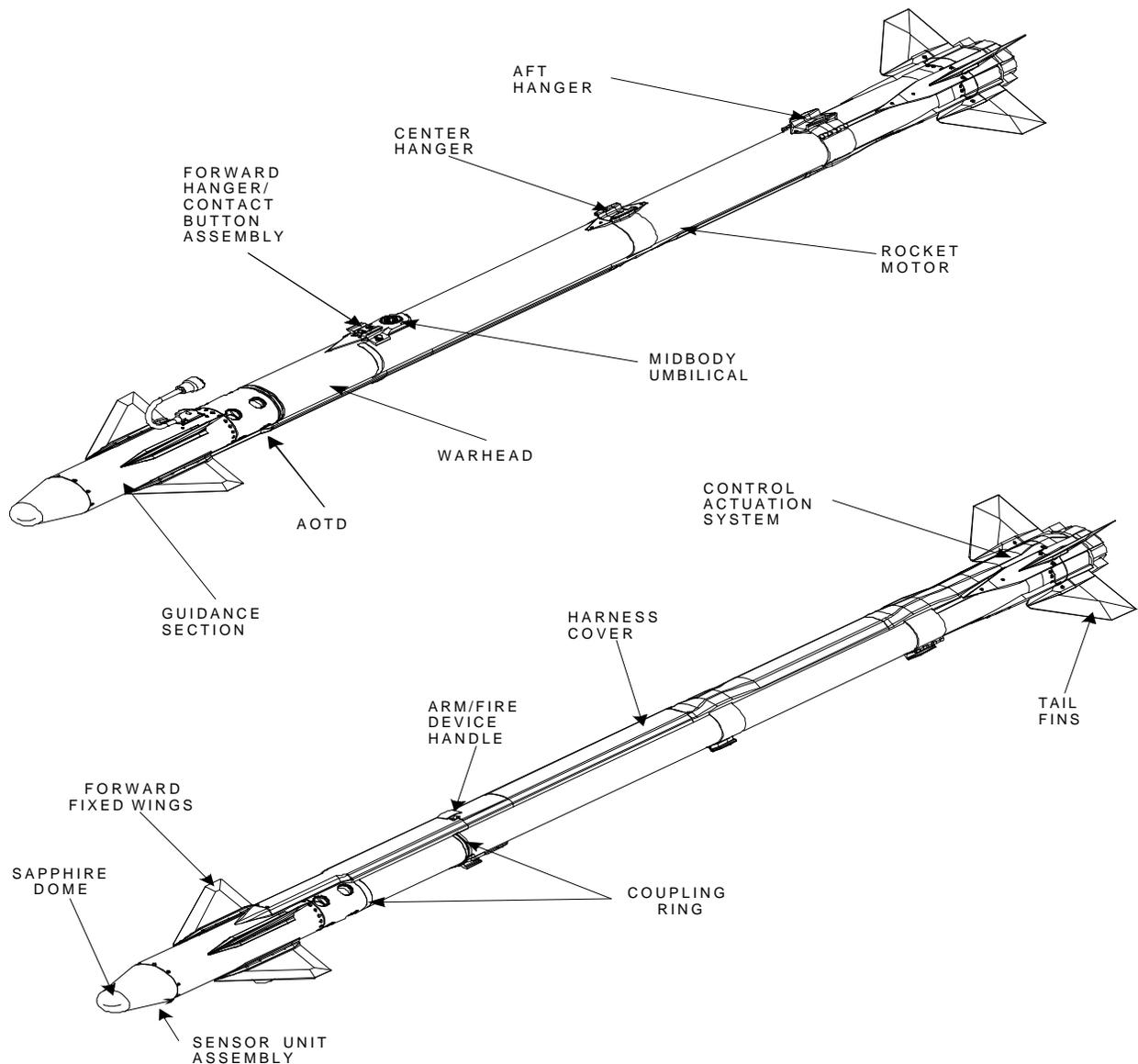
the rocket motor exhaust. Each jet vane is slaved to the associated tail fin shaft on the same side of the missile. Prior to launch, spring-loaded pistons lock the tail fins and jet vanes from moving. With missile battery power available, the fin unlock command fires an unlock Electronic Explosive Device into a manifold, causing withdrawal of all fin lock tabs by the squib/cartridge output-gas-powered piston movement. A wiggle test verifies positive fin control, which must occur in order for the rocket motor initiation command to be generated. A dedicated 106 VDC thermal battery in the guidance section powers the CAS.

The jet vanes are in the exhaust section of the missile, aft of the rocket motor. They are mechanically linked through a shaft to the control fins and provide additional steering capability by redirecting the exhaust gases. Damage to the jet vanes could occur if they are used to lift the missile during ground handling.

(4) Harness and Harness Cover. Unlike the AIM-9M, an electronic harness has been added to the AIM-9X to provide the communications interface between the electronics unit in the GS and the other missile components. Due to the lack of space internally, the harness mounts externally on the underside of the missile surface. A harness cover (made up of an aft, center, and forward cover) spans most of the length of the missile and provides an aerodynamic surface and protective cover for the electronic harness and the CAS electronic circuit board. The forward and aft harness covers are made of a fibrite phenolic material and are replaceable in the field by removing the screws attaching them to the missile. The center cover is made of aluminum and specifically protects the CAS electronics module. The alignment of the center cover is critical, requiring a special fixture for proper assembly at the factory. The forward and aft covers possess various cutouts for access to the Safe and Arm Selector Handle and marmon clamps.

2. Physical Description. The approximate physical characteristics of the AIM-9X are as follows:

Length: 119.0 inches
Body Diameter:..... 5.0 inches
Fin Span:..... 17.5 inches
Weight: 188.0 pounds



3. New Development Introduction. Fleet introduction of the AIM-9X missile is

Figure I-1. AIM-9X AUR Missile.

planned to begin in FY03 via aircraft carrier load outs. Low-Rate Initial Production (LRIP) All-Up-Round (AUR) missile deliveries begin in FY02 and continue through FY05, when Full-Rate Production deliveries begin.

4. Significant Interfaces

a. Aircraft. The AIM-9X is required to be compatible, at full capability, with the F/A-18C/D/E/F, F-15C/E, F-16C/D, and F-22 aircraft. The AIM-9X will be integrated with the

JHMCS, if available, which includes a helmet-mounted display with capability to cue and verify cueing of high off-boresight sensors and weapons. This missile-helmet marriage will provide the aircrew with first-look, first-shot capability in the air-to-air, within visual range, combat arena. Increased off-boresight acquisition angle and improved situational awareness will be achieved through the integrated combination of the AIM-9X missile, the JHMCS and the aircraft. JHMCS is being integrated on F/A-18 and F-15 aircraft.

b. Launchers. For the USN and United States Marine Corps (USMC), two guided missile launchers are available to carry and launch the AIM-9X on the F/A-18 aircraft. The LAU-7 guided missile launcher can be used on all applicable Sidewinder weapons stations, especially the wing tip; however, it requires modification of the current power supply and the addition of digital and addressing lines to the forward umbilical to carry and launch the AIM-9X. With these modifications, it is designated the LAU-7D/A. The AN/AWM-100 and Common Racks and Launchers Test Set (CRALTS) require changes to support the LAU-7D/A. The modified AN/AWM-100 part number is 74D750051-1007. The LAU-127 guided missile launcher can be used on the F/A-18C/D aircraft wing stations only. F/A-18 aircraft wing stations require a LAU-115 guided missile launcher in order to attach the LAU-127.

5. New Features, Configurations, or Material. The AIM-9X utilizes mid-wave IR FPA seeker technology in lieu of the single-element IR seeker used in the AIM-9M. The AIM-9X is a digital missile with Built-In Test (BIT) and re-programming capability that is not present in the analog AIM-9M. A buffer connector must be used on the mid-body umbilical connector when the AIM-9X is loaded on the LAU-127 launcher. The AIM-9X uses an internal cryogenic engine, called a cryoengine, for IR element cooling. The cryoengine does not require externally supplied coolant, e.g., nitrogen, and thus does not use the nitrogen receiver assemblies contained in the LAU-7 and LAU-127 launchers, which provide IR element coolant for the AIM-9M. The AIM-9X uses titanium wings and fins. Also, the AIM-9X uses a CAS to direct movement of the aft fins and four internal jet vanes. The jet vanes direct the flow of the rocket motor exhaust to generate thrust vector control.

H. CONCEPTS

1. Operational Concept. Aircrew personnel will employ the AIM-9X during air-to-air combat missions against short-range threat aircraft. The AIM-9X will be integrated initially with the F/A-18C/D aircraft for USN and USMC operations, and thus, will be stowed on deployed USN aircraft carriers. Follow-on integration with other USN, USMC, and USAF aircraft are possible during the AIM-9X Production, Deployment, and Operational Support phase.

The AIM-9X seeks and homes-in on IR energy emitted by the target. When an IR-emitting source enters the seeker field of view, the electronics unit generates an audio signal. The pilot hears the signal through the headset, indicating that the AIM-9X has acquired a potential target. One method of cueing the AIM-9X to the target's IR energy source is referred to as boresight, whereby the missile is physically pointed toward the target via the pilot maneuvering the aircraft. The IR energy gathered by the missile seeker is converted to electronic signals that

enable the missile to acquire and track the target up to its seeker gimbal limits. A second method of cueing the AIM-9X to the target's IR energy is the Sidewinder Expanded Acquisition Mode (SEAM). SEAM slaves the AIM-9X seeker to the aircraft radar. The aircraft avionics system can slave the missile seeker up to a given number of degrees from the missile/aircraft boresight axis. The missile seeker is slaved until an audible signal indicates seeker target acquisition. Upon target acquisition, a seeker interlock in the missile is released (uncaged) and the missile seeker begins tracking the target. The AIM-9X seeker will then continue to track the target. A third method for cueing the AIM-9X to the target's IR energy is through use of the JHMCS. This method allows the pilot to cue the AIM-9X seeker to high off-boresight targets via helmet movement. The pilot can launch the AIM-9X anytime after receipt of the appropriate audible signal.

2. Maintenance Concept. The maintenance concept for the AIM-9X is based on an overall objective to assure that AUR missiles are available to fulfill commitments of operational activities, and to provide the means to restore unserviceable missiles to serviceable condition with minimum downtime. Maintenance requirements are allocated to three levels of maintenance as defined in the Naval Ordnance Maintenance Management Program (NOMMP), OPNAVINST 8000.16 (series), which replaced the Naval Airborne Weapons Maintenance Program, OPNAVINST 8600.2 (series) in September 1999. Maintenance for the AIM-9X is based on an AUR missile maintenance model, where organizational and intermediate level maintenance activities forward failed AUR missiles and Captive Air Training Missiles (CATM) to RMS for repair.

a. Organizational

(1) Aviation Ordnance. Work Center 230 personnel in the Aviation Ordnanceman (AO) rating perform organizational level maintenance for air-launched weapons. AOs with Navy Enlisted Classification (NEC) 8342 or 8842 and USMC Aviation Ordnance personnel with Military Occupational Specialty (MOS) 6531 perform organizational level maintenance for air-launched weapons on the F/A-18 aircraft. AIM-9X organizational level maintenance includes:

- Remove and install protective devices
- Visual inspection for damage and corrosion
- Visual inspection of missile launcher assembly interface
- Cleaning of external surface and corrosion control
- Aircraft weapons release and control systems checks
- Uploading and downloading on aircraft
- Return launcher to Aircraft Intermediate Maintenance Department (AIMD) or Marine Aviation Logistics Squadron (MALS)
- Missile BIT checks via aircraft avionics

(2) Aviation Electronics. In most cases on the F/A-18 aircraft, Aviation Electronics Technicians (AT) with NEC 8342 or 8842 perform aircraft weapons release and control systems checks for air-launched weapons. In some squadrons, the Integrated Weapons Team (IWT) concept is used, and in those cases AOs may perform aircraft weapons release and control systems checks. AIM-9X release and control checks for the LAU-7D/A involve the use of a modified AN/AWM-100 (part number 74D750051-1007) and provide new screen displays as a result.

b. Intermediate

(1) Air Launched Weapons. Work Center 700 personnel in the AO rating perform intermediate level maintenance for air-launched weapons. AIM-9X intermediate level maintenance will be accomplished ashore and afloat. Station Weapons personnel will perform AIM-9X intermediate level maintenance tasks ashore at Naval Air Stations (NAS), Marine Corps Air Stations (MCAS), and MALS. Weapons Department personnel will perform AIM-9X intermediate level maintenance tasks aboard USN Aircraft Carriers (CV) and CV Nuclear (CVN). USN AOs with NEC 6801 and USMC personnel with MOS 6541 perform intermediate level maintenance for air-launched weapons. AIM-9X intermediate level maintenance consists of:

- Storing and handling AUR missiles and AUR containers using support equipment
- Unpacking and packing AUR missiles
- Performing visual inspections
- Delivering missile to flight line or flight deck
- Missile BIT checks via the AN/GYQ-79 Common Munitions BIT Reprogramming Equipment (CMBRE) and AIM-9X Test Program Set (TPS)
- Loading (reprogramming) missile software using CMBRE and AIM-9X TPS
- Cleaning and corrosion control of AUR missiles
- Preservation and painting
- Removing and replacing specified parts
- Record keeping and reporting.

AIM-9X missile reprogramming capability is planned ashore and aboard aircraft carriers using the AN/GYQ-79 CMBRE, but is dependent upon the approval from the Weapons Systems Explosive Safety Review Board (WSESRB). The currently-fielded AN/GYQ-79, which is used for BIT and reprogramming of Joint Direct Attack Munitions (JDAM) and Joint Stand-Off Weapon (JSOW) assets, requires reprogramming and the addition of a fourth box to accommodate AIM-9X BIT. Additionally, the AIM-9X missile software is classified and requires proper handling during BIT and reprogramming operations.

(2) Strike Armament. LAU-7D/A, LAU-115A/A, and LAU-127A/A intermediate level maintenance will be accomplished ashore and afloat. Work Center 700

personnel with the AO rating perform intermediate level maintenance for strike armament equipment. AIMD personnel will perform launcher intermediate level maintenance tasks ashore at NAS, MCAS, and MALS. AIMD personnel will perform launcher intermediate level maintenance tasks aboard USN CVs and CVNs. USN AOs with NEC 6802 and USMC personnel with MOS 6541 perform intermediate level maintenance for launchers. Strike armament intermediate level maintenance, with respect to AIM-9X, consists of:

- Storing, handling, and issuing launchers
- Performing visual inspections
- Removing and replacing replaceable assemblies
- Testing launchers using CRALTS

c. Depot. RMS will be responsible for depot level maintenance, both AUR and component-level, for the life of the system. This maintenance will be accomplished through an AUR missile warranty and a repair contract for out-of-warranty AUR missiles and those sustaining government-induced damage. The AUR missile warranty includes AIM-9X CATMs.

d. Interim Maintenance. RMS will provide interim supply support until the Material Support Date (MSD), when organic supply support capability is established.

e. Life Cycle Maintenance Plan. RMS will be responsible for AUR and component-level life cycle maintenance.

3. Manning Concept. The AIM-9X does not impact existing manpower requirements at Government organizational, intermediate, or depot level activities. Seat factor, crew ratio, and total aircraft per squadron drive the pilot and Weapon and Sensor Operator (WSO) manpower requirements. The number of weapon pylons/stations per aircraft and total per squadron drive the load crew manpower requirements for USN and USMC fleet squadrons and Fleet Readiness Squadrons (FRS). Enlisted manning for USN and USMC intermediate maintenance activities (CV/CVN, NAS, MCAS, MALS) is based on the total assigned ordnance workload, and not on specific AIM-9X requirements. Skills required to support the AIM-9X are considered to be within the capability of existing NECs and MOSs. Refer to Part II for existing USN and USMC intermediate maintenance manpower requirements.

Peacetime manpower requirements for AIM-9X organizational and intermediate level maintenance activities can be found in the Manpower Estimate Report, serial number 6T710-1/7227. Manpower requirements for AIM-9X were based on the number of CATM-9M presentations per year for a typical F/A-18 squadron (future CATM-9X presentation requirements were assumed to be consistent with current CATM-9M presentation requirements). The Navy Training and Readiness Matrix requires 1137 CATM-9M presentations per F/A-18C/D squadron per year, which is based on 17 pilots per F/A-18C/D squadron, each pilot requiring 67 CATM-9M presentations per year. A worst case of one CATM-9X presentation per sortie was used, resulting in 1137 expected unpacking, upload, captive carry, download, and packing cycles per year for squadrons outfitted with CATM-9X. A squadron was considered minimally outfitted

when it had received four CATM-9X, and normally outfitted when it had received ten CATM-9X. Marine Corps requirements were treated similarly.

a. Organizational. Loading an AIM-9X or a CATM-9X requires five AOs. One dedicated load crew (five USN AOs with NEC 8342s or five USMC AOs with MOS 6531s) can perform the 1139 CATM-9X upload-download cycles per year for an F/A-18C/D squadron. Approximately 60 percent of their annual workload would be comprised of CATM-9X upload-download cycles. When multiple, concurrent CATM-9X uploading or downloading is required, additional load crews are required.

b. Intermediate. Three AOs are required to unpack, inspect, and deliver the AIM-9X or the CATM-9X to the flight line or flight deck. One dedicated team of three USN AOs with NEC 6801 per Weapons Department or three USMC MOS 6541 personnel per MALS can perform the 1139 unpacking-packing evolutions per year to support an F/A-18C/D squadron. Approximately 90 percent of their annual workload would be comprised of CATM-9X unpacking-packing evolutions. When multiple F/A-18C/D squadrons must be supported, additional personnel are required.

c. Depot. Depot level maintenance, both AUR and component repair, will be the responsibility of RMS. This maintenance will be supported through RMS warranty and repair contracts for out-of-warranty missiles. RMS will be responsible for establishing internal manpower levels for AIM-9X repair.

4. Training Concept. The AIM-9X training concept is divided into operator and maintenance training. Operator training is provided for F/A-18 pilot and WSO personnel. The AIM-9X training concept for maintenance is divided into organizational and intermediate levels based on OPNAVINST 4790.2 (series) and OPNAVINST 8000.16 (series). Organizational level maintenance training is provided to AO personnel in the F/A-18 community with NECs 8342, 8842, or MOS 6531. Intermediate level training is provided to AO maintenance personnel with NECs 6801, 6802, or MOS 6541.

Selected Reserve personnel may earn intermediate level maintenance qualifications by attending formal training at Naval Air Maintenance Training Group Detachments (NAMTRAGRU DET), providing quotas, funding, and students are available to attend the training. Specific guidelines are contained in NAVPERS 18068F Volume II, Chapter IV, Navy Enlisted Classifications.

The established training concept for most aviation maintenance training divides “A” School courses into two or more segments called *Core* and *Strand*. Many organizational level “C” School courses are also divided into separate *Initial* and *Career* training courses. “A” School *Core* courses include general knowledge and skills training for the particular rating, while “A” School *Strand* courses focus on the more specialized training requirements for that rating and a specific aircraft or equipment, based on the student’s fleet activity destination. *Strand* training immediately follows *Core* training and is part of the “A” School. Upon completion of *Core* and *Strand* “A” Schools, graduates going to organizational level activities attend the appropriate

Initial “C” School for additional specific training. *Initial* “C” School training is intended for students in paygrades E-4 and below. *Career* “C” School training is provided to organizational level personnel, E-5 and above, to enhance skills and knowledge within their field. “A” School graduates going to intermediate level activities attend the appropriate intermediate level “C” School. Intermediate level “C” Schools are not separated into *Initial* and *Career* courses.

a. Initial Training. RMS has provided training to NAVWPNTSESTRON, VX-9, and Naval Air Systems Team (NAST) personnel prior to the start of DT-IIB and OT-IIA test phases, and will provide training to VX-9 prior to the start of CCRP and OT-IIB. Training includes instruction and practice for aircrew, organizational level maintenance, and intermediate level maintenance. Course lengths for aircrew and organizational level maintenance courses do not exceed one day. Course lengths for intermediate level maintenance are still To Be Determined (TBD). RMS will provide AIM-9X Explosive Ordnance Disposal (EOD) data to the Navy EOD Technology Division, Stump Neck, Maryland. This EOD data and the procedures developed and forwarded by EOD personnel at the NAWCWD range will be used to develop Render Safe Procedures (RSP) for the AIM-9X and documented in the 60-series publications. The RSPs will be used at Navy EOD School (NAVSCOLEOD) and EOD Training and Evaluation Units (EODTEU) to train EOD technicians.

NAST personnel will use/modify T&E training curricula, training aids, and LRIP Training Devices (TD) to provide initial operator, organizational and intermediate level training to USN and USMC instructors within six months prior to Initial Operating Capability (IOC), as well as to squadron personnel and ship’s company prior to carrier deployments. USN and USMC instructors will retain the training curricula, training aids, and TDs and incorporate AIM-9X information into existing follow-on courses. Currently, the locations anticipated for initial training to be conducted are:

- Naval Strike and Air Warfare Center (NSAWC), NAS Fallon, Nevada
- Strike Fighter Weapons School, Atlantic (SFWSL), NAS Oceana, Virginia
- Fighter Attack Squadron (VFA)-106, NAS Oceana, Virginia (training package only)
- Strike Fighter Weapons School, Pacific (SFWSP), NAS Lemoore, California
- VFA-125, NAS Lemoore, California (training package only)
- Marine Aviation Weapons and Tactics Squadron One (MAWTS-1), MCAS Yuma, Arizona
- Marine Fighter Attack Training Squadron (VMFAT)-101, MCAS Miramar, California (training package only)
- Maintenance Training Unit (MTU) 4030 NAMTRAGRU DET Mayport, Florida
- MTU 4032 NAMTRAGRU DET Norfolk, Virginia
- MTU 4033 NAMTRAGRU DET North Island, California

- MTU 4034 NAMTRAGRU DET Cherry Point, North Carolina (Marine Attack Training Squadron (VMAT)-203 Fleet Replacement Enlisted Skills Training (FREST))
- MTU 4035 NAMTRAGRU DET Whidbey Island, Washington
- AO “A” School Class A1, NAS Pensacola, Florida
- Naval Airborne Weapons Maintenance Unit (NAWMU) One, Guam

b. Follow-on Training. Training for existing AIM-9M missiles is in place. Operator (aircrew), organizational level, and intermediate level maintenance training courses which contain AIM-9M Sidewinder Missile information will be updated following initial training to include information pertaining to the AIM-9X. Follow-on training for the AIM-9X will be available as part of courses taught at the FRS, MTUs, NSAWC, and Strike Fighter Weapons Schools (SFWS). The addition of AIM-9X material will not change student throughput or chargeable student billets.

(1) Operator Training. Pilots and WSOs are trained at the appropriate FRS for specific aircraft operation and weapons. Pilot and WSO skills in tactics and ordnance delivery are further enhanced at SFWS, NSAWC, and through onboard proficiency training.

(a) Training Devices. TDs required for follow-on and proficiency operator training include the existing Weapon Tactics Trainer (WTT), TD number 2E7, and the CATM-9X. Also, AIM-9X assets are required for live-fire exercises, which are part of the annual Non-Combat Expenditure Allowance (NCEA).

- **Weapons Tactics Trainer, 2E7.** The WTT is a computer-based weapon system training device developed for use by F/A-18C/D aircrews, which is commonly referred to as the “dome trainer.” The WTT provides familiarization in F/A-18 operational procedures and all F/A-18 approved stores and missiles, as well as proficiency training in launch and control techniques. PMA205, PMA259, and PMA265 are coordinating to ensure that appropriate AIM-9X simulation models are incorporated into the WTTs or their future replacements, e.g., the F/A-18 Tactics and Operational Flight Trainer (TOFT).

- **Captive Air Training Missile, CATM-9X.** The CATM-9X is an inert, captive flight TD permitting realistic exercise of the AIM-9X guidance section. Airborne operation of the CATM-9X provides the operator all interaction between aircraft and missile without expending the missile. For detailed information on CATM-9X refer to element IV.A.2.

(b) Training Aids. The AIM-9X Interactive Courseware (ICW) will be a component of the Strike Fighter Weapons and Tactics (SFWT) curricula, and will be hosted on the Strike Fighter Training System (SFTS). SFWT and SFTS are two of three components of NSAWC’s Strike Fighter Training Program (SFTP), which is primarily targeted at providing post-FRS training to Strike Fighter aircrew. The SFTS will be a high-speed, wide area network, linking schools and squadrons together with standardized, Computer-Based Training (CBT) and ICW. Strike Fighter Tactics Instructors (SFTI), the third component of the SFTP, are

trained by NSAWC N7 (Topgun) and administer the SFWT curricula within the squadrons. AIM-9X ICW will be developed for the SFTS by NSAWC, PMA205, and PMA259, and is anticipated for release in FY02-03. For detailed information on AIM-9X ICW (training aid) refer to element IV.B.2.

(c) **Courses.** The following table lists the applicable operator training courses. The AIM-9X source material will be incorporated in these courses with minimal impact. The addition of AIM-9X material will not change student throughput or chargeable student billets, and, therefore, these courses will not appear in Parts II and III. See F/A-18C/D NTSP for course details.

TABLE I-2. OPERATOR COURSES

COURSE NUMBER	COURSE TITLE	AIM-9X RFT DATE
D/E-2A-0601	F/A-18 Fleet Replacement Pilot Category 1	FY03 (estimate)
D/E-2A-0602	F/A-18 Fleet Replacement Pilot Category 2A	FY03 (estimate)
D/E-2A-0604	F/A-18 Fleet Replacement Pilot Category 3A	FY03 (estimate)
D/E-2A-0606	F/A-18 Fleet Replacement Pilot Category 4	FY03 (estimate)
None	F/A-18 Strike Fighter Advanced Readiness Program	FY03 (estimate)
None	F/A-18 Strike Fighter Weapons Employment	FY03 (estimate)
M13P4B3	F/A-18D Fleet Replacement Pilot Basic and Transition	FY03 (estimate)
M13P3V3	F/A-18D Fleet Replacement Pilot Refresher	FY03 (estimate)
M13P3W3	F/A-18D Fleet Replacement Pilot Modified Refresher	FY03 (estimate)
M13P4C3	F/A-18D WSO Basic and Transition	FY03 (estimate)
M13P3R3	F/A-18D WSO Refresher	FY03 (estimate)
M13P3S3	F/A-18D WSO Modified Refresher	FY03 (estimate)
None	Topgun AIM-8X Brief	FY03 (estimate)

(2) **Initial Skills - Maintenance.** The AO “A1” School at NAS Pensacola, Florida, will provide AIM-9X initial skills training for the AO rating. The Dummy Air Training Missile (DATM), DATM-9X, is the TD required for AIM-9X initial skills maintenance training.

(a) **Training Devices.** The DATM-9X is physically representative of the AIM-9X. It is a TD that facilitates instruction and familiarization for transporting, handling, loading, and visual inspection procedures for organizational and intermediate level maintenance training purposes. The DATM-9X is not certified for flight, and is designed for ground training use only. For detailed information on DATM-9X, refer to element IV.A.2.

(b) **Technical Training Equipment.** Technical Training Equipment (TTE) required includes:

- **LAU-7D/A Launcher.** The LAU-7D/A is required to teach and practice AIM-9X release and control checks, AIM-9X loading, and launcher maintenance. Existing schoolhouse LAU-7A/A assets will require modification to the LAU-7D/A configuration.

- **AN/AWM-100.** The AN/AWM-100 (part number 74D750051-1007) requires modification to work with the LAU-7D/A. Existing schoolhouse AN/AWM-100 assets will require modification to the 74D750051-1007 configuration.

- **CNU-609/E AUR Container.** The AIM-9X AUR container is required to teach and practice unpacking and packing evolutions, as well as container maintenance.

(c) **Courses.** AIM-9X source material will be incorporated into the following courses with minimal impact. The addition of AIM-9X material will not change student throughput or chargeable student billets, and, therefore, these courses will not appear in Parts II and III. The following table lists the applicable initial skills courses for the AO rating that will require AIM-9X data.

TABLE I-3. INITIAL SKILLS - MAINTENANCE COURSES

COURSE NUMBER	COURSE TITLE	AIM-9X RFT DATE
C-646-2011A	Aviation Ordnanceman Common Core Class A1	FY03 (estimate)
C-646-2012	Aviation Ordnanceman Navy Difference Training Class A1	FY03 (estimate)

(3) **Organizational.** Organizational level maintenance personnel are trained at the appropriate SFWS Atlantic (LANT) and SFWS Pacific (PAC) for F/A-18 weapons loading and launcher release and control checks. Weapon loading skills are further enhanced through onboard proficiency training.

(a) **Training Devices.** The TD required for follow-on and proficiency training is the CATM-9X. The CATM-9X will be used at SFWS for the AIM-9X Conventional Weapons Technical Proficiency Inspection (CWTPI).

(b) **Technical Training Equipment.** TTE required include:

- **LAU-7D/A Launcher.** The LAU-7D/A is required to teach and practice AIM-9X release and control checks and AIM-9X loading. Existing schoolhouse LAU-7A/A assets will require modification to the LAU-7D/A configuration.

- **AN/AWM-100.** The AN/AWM-100 (part number 74D750051-1007) requires modification to work with the LAU-7D/A. Existing schoolhouse AN/AWM-100 assets will require modification to the 74D750051-1007 configuration.

(c) **Courses.** AIM-9X will be taught in the following organizational level maintenance training courses. The AIM-9X source material will be incorporated in these courses with minimal impact. The addition of AIM-9X material will not change student throughput or chargeable student billets, and, therefore, these courses will not appear in Parts II and III. See the F/A-18C/D NTSP for organizational level maintenance training course details.

TABLE I-4. ORGANIZATIONAL LEVEL MAINTENANCE COURSES

COURSE NUMBER	COURSE PROVIDER	COURSE TITLE	AIM-9X RFT DATE
D/E-646-0640	SFWSLANT/PAC	F/A-18 Conventional Weapons Loading	FY03 (est.)
D/E-646-0641	SFWSLANT/PAC	F/A-18 Conventional Weapons Loading	FY03 (est.)
D/E-646-0647	SFWSLANT/PAC	F/A-18 Conventional Release System Test	FY03 (est.)
D/E-646-0654	SFWSLANT/PAC	F/A-18 Conventional Release System Test	FY03 (est.)

(4) **Intermediate level Maintenance.** Intermediate level maintenance training is available for USN and USMC AOs through the appropriate MTU.

(a) **Training Devices.** The TD required for follow-on and proficiency training is the DATM-9X.

(b) **Technical Training Equipment.** TTE required include:

- **CNU-609/E AUR Container.** The AIM-9X AUR container is required to teach and practice unpacking and packing evolutions, as well as container maintenance.

- **AN/GYQ-79 CMBRE and AIM-9X Test Program Set.** CMBRE and its AIM-9X TPS are needed to teach and practice AIM-9X BIT and reprogramming operations. Additionally, a software program that simulates the AIM-9X Munitions Application Program (MAP) is being developed for training use. The AIM-9X MAP is the software that resides on a Personal Computer (PC) card that is used by CMBRE to perform BIT and reprogram tactical AIM-9X assets and, therefore, is classified. The AIM-9X “Training” MAP will also reside on a PC card and will be unclassified, and it will be used with CMBRE and the DATM-9X to teach and practice AIM-9X BIT and reprogramming procedures.

- **315-ASX Alternating Current Power Source.** AIM-9X BIT and reprogramming requires a conditioned Alternating Current (AC) power source for CMBRE and AIM-9X TPS operation. Onboard aircraft carriers, the power conditioning units are being installed via a SHIPALT at the forward and aft transfer areas and a third area that is TBD. For the schoolhouse, a commercial off-the-shelf AC power source, commonly referred to as the power cart, will be utilized. The JDAM program is currently procuring the power carts for the schoolhouses. They are model number 315-ASX and are made by Pacific™.

- **LAU-7D/A Launcher.** The LAU-7D/A is required to teach and practice LAU-7D/A intermediate maintenance. Existing schoolhouse LAU-7A/A assets will require modification to the LAU-7D/A configuration.

- **Common Racks And Launcher Test Set.** A properly configured CRALTS is required to teach and practice LAU-7D/A intermediate maintenance. Existing schoolhouse CRALTS assets will require modification to the appropriate configuration.

(c) **Courses.** The following table lists intermediate level maintenance training courses that will have AIM-9X source material incorporated with minimal impact. These updates will not cause changes in student throughput or chargeable student billets; therefore, these courses will not appear in Parts II, III, and IV.

**TABLE I-5. INTERMEDIATE LEVEL
MAINTENANCE COURSES WITH MINIMAL AIM-9X IMPACT**

COURSE NUMBER	COURSE TITLE	AIM-9X RFT DATE
C-646-4108	Air Launched Weapons Ordnance Supervisor	FY03 (estimate)
C-646-4109	Weapons Department General Aviation Ordnance	FY03 (estimate)

The following intermediate level maintenance training tracks will have AIM-9X source material incorporated with more than minimal impact. Course updates will be based on incorporating the RMS training materials used for DT and OT training, but will edit and reformat the material to fit within the existing course length and format. The addition of the AIM-9X training materials will not change existing student throughput.

**Title..... General Shipboard NAS Weapons Department
Aviation Ordnance Maintenance**

CIN..... D/E-646-7007

Model Manager.... MTU 4030 NAMTRAGRU DET Mayport

Description	<p>This course provides training in procedures and safety requirements for:</p> <ul style="list-style-type: none"> ◦ receiving, transferring, and stowing conventional weapons ◦ assembly and disassembly of bombs and rockets ◦ loading and unloading flare and rocket launchers ◦ loading and unloading the linkless ammunition loading system ◦ canning and decanning of miscellaneous ordnance ◦ complying with applicable publications <p>This course covers Weapons Department Administration and General Ordnance; and Aircraft Munitions, Assembly and Disassembly. Upon completion of this course, the Aviation Ordnanceman assigned to a NAS Weapons Department or aircraft carrier Weapons Department as conventional weapons handler will have sufficient knowledge and skills to work under minimum supervision in a shipboard or shore environment.</p>
Locations	<ul style="list-style-type: none"> ◦ MTU 4030 NAMTRAGRU DET Mayport ◦ MTU 4032 NAMTRAGRU DET, Norfolk ◦ MTU 4033 NAMTRAGRU DET, North Island ◦ MTU 4035 NAMTRAGRU DET, Whidbey Island
Length	39 days
RFT date.....	Currently available. FY03 estimated for AIM-9X impact
Skill identifier.....	AO 6801
TTE/TD.....	Refer to element IV.A.1 for TTE. TD DATM-9X.
Prerequisite	C-646-2013, Aviation Ordnanceman Ship's Company Strand Class A1 or equivalent background knowledge of the ordnance field
Title.....	Strike Armament Systems Intermediate Maintenance
CIN.....	D/E-646-7001
Model Manager....	MTU 4033 NAMTRAGRU DET, North Island

Description	<p>This course provides training in procedures and safety requirements for aircraft armament equipment to include:</p> <ul style="list-style-type: none"> ◦ operational checkout ◦ corrosion control ◦ troubleshooting ◦ periodic maintenance ◦ component removal, repair and replacement ◦ use of publications, special tools, and test equipment <p>Upon completion of this course, the Aviation Ordnanceman assigned to an Aircraft Intermediate Maintenance Department will have sufficient knowledge and skills to work on aircraft armament equipment under minimum supervision in a shipboard or shore environment.</p>
Locations	<ul style="list-style-type: none"> ◦ MTU 4032 NAMTRAGRU DET Norfolk ◦ MTU 4033 NAMTRAGRU DET North Island
Length	65 days
RFT date.....	Currently available. FY03 estimated for AIM-9X impact
Skill identifier.....	AO 6802
TTE/TD.....	Refer to element IV.A.1 for TTE. TD DATM-9X.
Prerequisite	C-646-2011, Aviation Ordnanceman Common Core Class A1
Title	Aviation Ordnance Intermediate Maintenance Technician
CIN.....	M-646-7026
Model Manager....	MTU-4034 NAMTRAGRU DET Cherry Point

Description	<p>This course provides training in procedures and safety requirements for:</p> <ul style="list-style-type: none"> ◦ receiving, transferring, handling, and stowing of aircraft gun systems and ammunition ◦ assembly, disassembly, inspection, and functional check of aircraft gun systems and ammunition ◦ troubleshooting aircraft gun systems and electronic control units ◦ safety precautions for aircraft gun systems and ammunition <p>Upon completion of this course, the Aviation Ordnanceman assigned to a USMC intermediate maintenance activity will have sufficient knowledge and skills to work on aircraft gun systems and ammunition under minimum supervision.</p>
Location.....	VMAT-203 FREST, MCAS Cherry Point, North Carolina
Length	79 days
RFT date.....	Currently available. FY03 estimated for AIM-9X impact
Skill identifier.....	MOS 6541
TTE/TD.....	Refer to element IV.A.1 for TTE. TD DATM-9X.
Prerequisite	C-646-2012, Aviation Ordnanceman Airwing Strand Class A1

(5) Explosive Ordnance Disposal Training. EOD training is conducted at the NAVSCOLEOD at Eglin Air Force Base, Florida. Additional advanced and specialized EOD training is provided by EODTEUs at Fort Story, Virginia, and San Diego, California.

(a) Training Devices. TDs required for EOD training are the Practical Explosive Ordnance Disposal System Trainer (PEST) and the Classroom Explosive Ordnance Disposal System Trainer (CEST).

- **Practical Explosive Ordnance Disposal System Trainer.**

The AIM-9X PEST is a full-scale model of the AIM-9X, containing inert versions of all explosive train components. The AIM-9X PEST possesses the same weight and center of gravity characteristics as the tactical missile. The AIM-9X PEST is used to teach and practice the AIM-9X RSP. It is used in the identification line, the outdoor practice area, and the outdoor test area. For further details on TDs see element IV.A.2.

- **Classroom Explosive Ordnance Disposal System Trainer.**

The AIM-9X CEST is an inert, cut-away model of the AIM-9X, displaying locations and types of explosive and hazardous materials, initiators, igniters, and fuze. It is used during classroom

instruction to facilitate familiarization of the AIM-9X missile and its associated RSPs. For further details on TDs see element IV.A.2.

(b) Courses. AIM-9X will be taught in the following EOD training courses. The AIM-9X RSPs will be incorporated in these courses with minimal impact. The AIM-9X training material will not change student throughput or chargeable student billets, and, therefore, these courses will not appear in Parts II and III.

TABLE I-6. EOD COURSES

COURSE NUMBER	COURSE TITLE	AIM-9X RFT DATE
A-431-0011	Explosive Ordnance Disposal (EOD) Phase II (Navy)	FY03 (estimate)
A-431-0012	Explosive Ordnance Disposal (EOD) Phase II	FY03 (estimate)
G-431-0001	EOD Pre-deployment Team Training	FY03 (estimate)

c. Student Profiles. The following table lists the enlisted manpower and personnel classifications required to support AIM-9X. In many instances, AO personnel who will support AIM-9X will not possess the component NEC because they attained their primary NEC prior to the recent A School and C School changes.

TABLE I-7. AIM-9X STUDENT PROFILES.

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
AO 6801	C-646-2011, Aviation Ordnanceman Common Core Class A1 C-646-2013, Aviation Ordnanceman Ships Company Strand Class A1
AO 6802	C-646-2011, Aviation Ordnanceman Common Core Class A1 C-646-2012, Aviation Ordnanceman Airwing Strand Class A1
AO 8842	° C-646-2011, Aviation Ordnanceman Common Core Class A1 ° C-646-2012, Aviation Ordnanceman Airwing Strand Class A1
AO 8342	° C-646-2011, Aviation Ordnanceman Common Core Class A1 ° C-646-2012, Aviation Ordnanceman Airwing Strand Class A1 ° D/E-646-0654, F/A-18 Armament Systems (Initial) Organizational Maintenance
MOS 6541	C-646-2011, Aviation Ordnanceman Common Core Class A1 C-646-2012, Aviation Ordnanceman Airwing Strand Class A1
MOS 6531	° C-646-2011, Aviation Ordnanceman Common Core Class A1 ° C-646-2012, Aviation Ordnanceman Airwing Strand Class A1 ° D/E-646-0654, F/A-18 Armament Systems (Initial) Organizational Maintenance

d. Training Pipelines. New training tracks will not be required for AIM-9X. The following training pipelines and tracks correspond to student profiles listed above. These pipelines and tracks are based on the training system that is in place today, and may not reflect actual progressions for personnel who completed formal training prior to the recent A School and C School changes. Shaded courses are affected by introduction of the AIM-9X. Introduction of the AIM-9X will not affect any organizational or intermediate level maintenance functions. Training tracks and associated courses are available in the OPNAV Aviation Training Management System (OATMS). The following training tracks apply and are available in the OATMS.

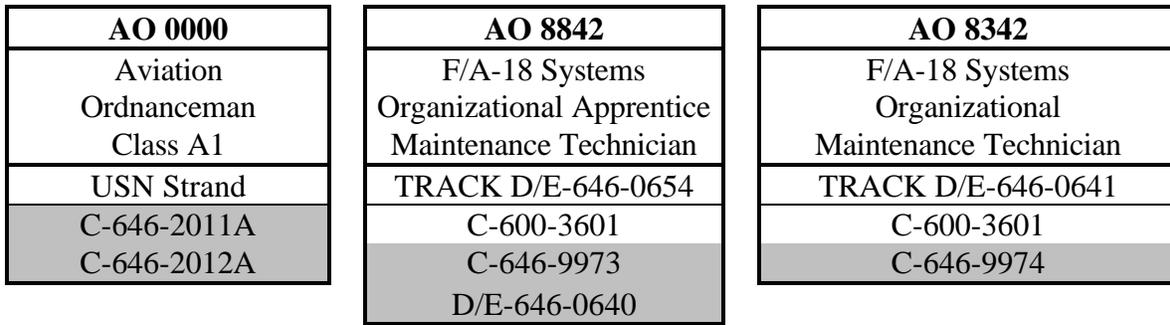


Figure I-2. F/A-18 Systems Organizational Maintenance Technician Career Progression

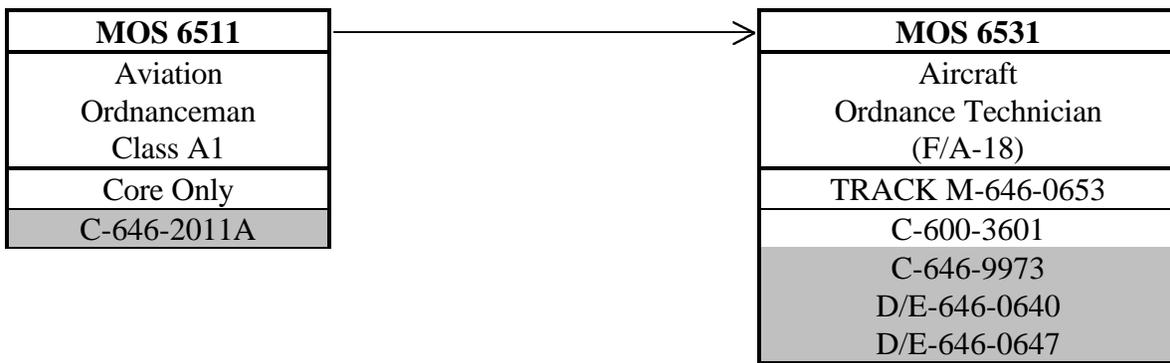


Figure I-3. F/A-18 Aircraft Ordnance Technician Career Progression

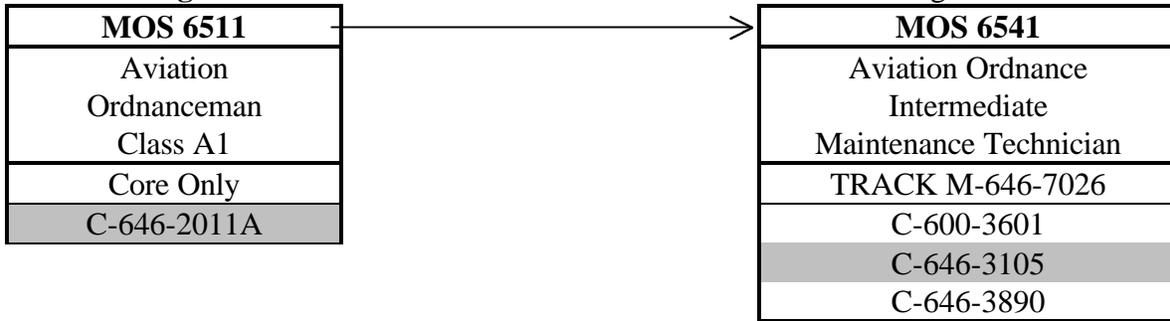


Figure I-4. Aviation Ordnance Intermediate Maintenance Technician Career Progression

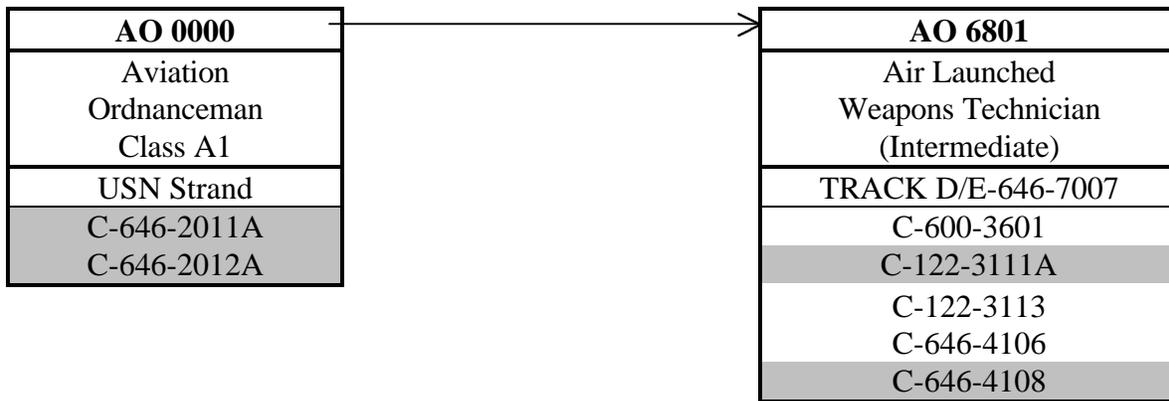


Figure I-5. Air Launched Weapons Technician Career Progression

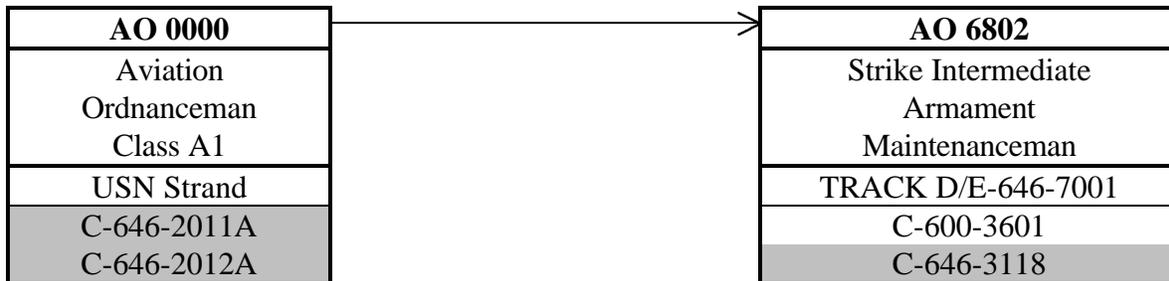


Figure I-6. Strike Intermediate Armament Maintenceman Career Progression

I. ONBOARD (IN-SERVICE) TRAINING

1. Proficiency or Other Training Organic to the New Development

a. Maintenance Training Improvement Program. The Maintenance Training Improvement Program (MTIP) is used to establish an effective and efficient training system responsive to fleet training requirements. MTIP is a training management tool that, through diagnostic testing, identifies individual training deficiencies at the organizational and intermediate levels of maintenance. MTIP is the comprehensive testing of one's knowledge. It consists of a bank of test questions managed through automated data processing. The Deputy Chief of Staff for Training assisted in development of MTIP by providing those question banks (software) already developed by the Navy. MTIP was implemented per OPNAVINST 4790.2 series. MTIP allows increased effectiveness in the application of training resources through identification of skills and knowledge deficiencies at the activity, work center, or individual technician level. Refresher training is concentrated where needed to improve identified skill and knowledge shortfalls. MTIP will be replaced by the Aviation Maintenance Training Continuum System (AMTCS). Current planning is for AMTCS to begin full implementation for fleet deployment on 1 October 2000.

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

implemented.

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

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

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

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

c. Strike Fighter Training Program. NSAWC, which includes Topgun (N7), SFWSL, SFWSP, and the Strike Weapons and Tactics School Atlantic (SWATSLANT), is developing post-FRS training at the squadron level for Navy Strike Fighter aircraft (F-14 and F/A-18). This post-FRS training continuum is known as the SFTP, and is composed of three equally critical elements: The SFWT curricula, the SFTI, and the SFTS. The SFWT curricula will be taught by each squadron's SFTI, who will be supported by the SFTS, a multimedia computer-based training system that will host CMI, CAI, CBT, and ICW. Aircrew weapons proficiency training will continue to be accomplished using existing methods: Academic, Simulator (WTT/Weapon Systems Trainer (WST)), CATM and/or embedded aircraft simulation, and NCEA; but capability ratings will be performance-based rather than completion-based, i.e., it will not be based simply upon completing the training events, but upon how well they are completed. Training events will be measured using defined metrics, and collectively these events will be evaluated to determine actual combat readiness, quantitatively (objectively) rather than qualitatively (subjectively).

2. Personnel Qualification Standards. Not Applicable (NA)

3. Other Onboard or In-service Training Packages

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

b. Conventional Weapon Technical Proficiency Inspection. The CWTPI is a graded inspection administered by Strike Fighter wing (STRKFTRWING0. The inspection team is made up of SFWS instructors under the direction of the Wing Ordnance Officer. 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. All personnel, including squadron pilots, directly involved in the inspection, require a written examination. 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 pilot's proficiency to deliver weapons on target. Pre-inspection training is provided by the appropriate SFWS followed by the CWTPI. The CWTPI determines the need for further conventional weapons load training of squadron AO and AT personnel at the appropriate SFWS.

c. Marine Corps Combat Readiness Evaluation. Marine Corps Headquarters schedules the USMC fighter and attack wings for an annual Combat Readiness Evaluation. This is part of the Marine Corps Combat Readiness Evaluation System. An entire Marine Corps activity is moved to another location to participate in war exercises and to be evaluated. Training is an ongoing Marine Corps evolution that culminates with the Combat Readiness Evaluation. The evaluation determines the need for further conventional weapons load training of squadron personnel.

J. LOGISTICS SUPPORT

1. Manufacturer and Contract Numbers. In December 1994, two contractors, Raytheon Missile Systems Division and HMSC, were awarded DEM/VAL contracts. Both contracts were completed by July 1996. The E&MD contract, N00019-97-C-0027, was awarded to HMSC in January 1997. HMSC later became RMS.

2. Program Documentation. The AIM-9X Sidewinder Single Acquisition Management

Plan (SAMP) was prepared by PMA259 prior to the Milestone II decision and approved 3 December 1996 in an effort to streamline program documentation. It contains all essential program information. The latest approved version of the AIM-9X SAMP is dated 3 March 1997, but is currently in review and update for the LRIP milestone decision. The AIM-9X Sidewinder Acquisition Logistics Support Plan (ALSP), document number MS-371, was prepared by AIR-3.1.1L and was approved 25 January 1999. The ALSP is also currently in review and update for the LRIP milestone decision.

3. Technical Data Plan. Technical data associated with the AIM-9X Missile Program is in compliance with the Continuous Acquisition Life-cycle Support strategy. Most AIM-9X program data is available in digital format. RMS has setup their version of a Contractor Integrated Technical Information Service (CITIS), which is called the Program Document Management (PDM) system. PDM provides authorized AIM-9X personnel access to all unclassified contract data requirements, which includes training curricula and technical manuals.

4. Test Sets, Tools, and Test Equipment

a. Organizational

(1) Tools. The AIM-9X is delivered to the flight line or flight deck as an AUR with its wings and fins installed. It does not require any new or peculiar tools for organizational level maintenance. Common tools, such as speed wrenches, are required to complete missile/launcher loading and to install the buffer connector when applicable.

(2) Test Sets and Test Equipment. The AIM-9X requires release and control checks for its launchers and a post-loading BIT check via the cockpit controls and displays. Other tests for the AIM-9M, such as the AIM-9M Missile On-Aircraft-Test (MOAT) using the TTU-304/E, are not required because of the AIM-9X digital characteristics.

(a) AN/AWM-100. The LAU-7D/A launcher requires a release and control check once it is installed on the F/A-18C/D aircraft. Organizational level maintenance activities will use the modified AN/AWM-100 (part number 74D750051-1007) to test LAU-7D/A and aircraft circuits prior to loading the AIM-9X missile. The AN/AWM-100 (part number 74D750051-1003) is the current configuration of the AN/AWM-100, which will require modification to the 74D750051-1007 configuration. The necessary modification will be implemented as part of a larger Engineering Change Proposal (ECP) for the F/A-18C/D Digital Wingtip Modification.

b. Intermediate

(1) Tools. The AIM-9X is delivered to the magazine in its AUR container, CNU-609/E, with its wings and fins installed. The AUR container can hold up to four AIM-9X missiles. The AIM-9X does not require any new or peculiar tools for intermediate level maintenance. Common tools, such as torque wrenches, are required to remove and replace field-replaceable components when applicable.

(2) Test Sets and Test Equipment

(a) **AN/GYQ-79 CMBRE.** The AIM-9X requires the AN/GYQ-79 CMBRE to perform in-container and out-of-container BIT and missile software reprogramming. Additionally, a fourth "box" referred to as the AIM-9X CMBRE TPS is needed in conjunction with CMBRE for AIM-9X capability. The AIM-9X CMBRE TPS provides a switch box and cables so that four missiles can be connected simultaneously to CMBRE for BIT and reprogramming, although only one missile can be tested and reprogrammed at a time. The AIM-9X CMBRE TPS will be procured via the LRIP contract options.

(b) **Common Racks And Launcher Test Set.** Intermediate level maintenance for the launchers will be performed with the existing CRALTS, which requires modification to include LAU-7D/A test capability. CRALTS is used to test the LAU-7A/A launcher and will require modification to test the LAU-7D/A launcher. The necessary modification will be implemented as part of a larger ECP for the F/A-18C/D Digital Wingtip Modification.

c. **Depot.** RMS will be responsible for depot level maintenance and associated tools, test sets, and equipment.

5. Repair Parts. Repair parts for the CATM-9X (as well as the AIM-9X) will be addressed during the AIM-9X provisioning process. Provisioning of consumable repair parts will be procured through the Naval Inventory Control Point. The MSD is projected to be FY03. Prior to MSD, RMS will provide all consumable repair parts. Parts under consideration include wings, fins, buffer connectors, and forward and aft harness covers.

6. Human Systems Integration. The original Human Systems Integration Plan (HSIP) for the AIM-9X was approved in July 1994, and revised throughout DEM/VAL. Following DEM/VAL, but prior to the Milestone II decision, the HSIP was incorporated into the SAMP, which was approved 3 December 1996, then later revised and approved 3 March 1997. The only unique human systems integration challenge facing the AIM-9X is integration with the JHMCS. The JHMCS will require more pilot interaction in the search and acquisition of targets. However, this additional task is well within the current Navy, Marine Corps, and Air Force operator capability. The Joint Interface Control Working Group is addressing this issue. Lessons learned in DT&E and OT&E will evolve this facet of aircrew training. Missile status tones used in AIM-9X will very closely approximate those used for AIM-9M to provide seamless transition for the aircrew; however, some tone modifications are necessary because AIM-9X is capable of employment where AIM-9M and prior Sidewinder missiles were not. For example, in certain aircraft/missile employment regimes, the AIM-9X "synthetic" tones duplicate or are very similar to previous AIM-9M tones, but do not represent the same tactics and threat situation. In these situations tone modifications are necessary.

K. SCHEDULES

1. Schedule of Events

a. Installation and Delivery Schedules. AIM-9X production and related ECP schedules will be incorporated into updates of this NTSP as they become available, and based upon their security classification. The Defense Acquisition Board (DAB) is scheduled to make the AIM-9X LRIP decision in August 2000. LRIP deliveries are scheduled for 21, 24, 27, and 30 months after each LRIP option (Lot 1, Lot 2, and Lot 3) is exercised. The F/A-18C/D Digital Wingtip Modification and associated ECPs will be developed in FY00 and their implementation will begin in the FY01/02 timeframe.

b. Ready For Operational Use Schedule. The AIM-9X will be Ready For Operational Use (RFOU) by the operational activity upon receipt of AUR missiles. Initially, activities will receive AIM-9X upon deployment aboard aircraft carriers that have AIM-9X loadouts. Thus, the RFOU schedule is dependent upon the AIM-9X LRIP schedule and CV and CVN deployment schedules for FY03 and beyond. As the AIM-9X inventory grows, other activities will receive AIM-9X. See Element II.A.1.a of this NTSP for the notional operational and fleet support activity activation schedule.

c. Time Required to Install at Operational Sites. Because the AIM-9X is delivered and received as an AUR missile, there is no time requirement to install AIM-9X.

d. Foreign Military Sales and Other Source Delivery Schedule. NA

e. Training Device and Delivery Schedule. CATM, DATM, CEST, and PEST delivery schedules have not been determined at this time. The DAB is scheduled to make the AIM-9X LRIP decision in August 2000. All DATM, CEST, and PEST deliveries will be made during LRIP lots. CATM deliveries will be made during LRIP lots and Full-Rate Production lots. LRIP CATM deliveries are scheduled for 21, 24, 27, and 30 months after each LRIP option (Lot 1, Lot 2, and Lot 3) is exercised. LRIP DATM deliveries are scheduled for 24 months after the LRIP Lot 1 option is exercised, 28 months after the LRIP Lot 2 option is exercised, and 26 months after the LRIP Lot 3 option is exercised. LRIP CEST and PEST deliveries are scheduled for 18 months after the LRIP Lot 1 option is exercised. Element IV.A.2 of this NTSP lists the USN and USMC TD requirements by activity. The CATM-9X requirements listed represent Navy and Marine Corps F/A-18C/D requirements only. Other aircraft platforms that may be integrated with AIM-9X during Follow-on Test and Evaluation (e.g., F/A-18E/F, F-14B Upgrade, F-14D, AV-8BC1, AH-1) would require additional CATM-9X assets to support proficiency training for the associated operational squadrons. The 650 CATM-9Xs represent an 86% asset readiness objective, for a total of 756 CATMs for the F/A-18C/D community. Refer to element IV.A.2 for a detailed list of CATM-9X requirements by squadron.

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

M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS

DOCUMENT TITLE	DOCUMENT NUMBER	PDA CODE	STATUS
F/A-18 Aircraft NTSP	A-50-7703H/D	PMA265	Draft Mar 00
AIM-9X Single Acquisition Management Plan for the AIM-9X	No Number Assigned	PMA259	Revision in Progress Apr 00
Test and Evaluation Master Plan (TEMP) for AIM-9X Sidewinder Missile	1412 Revision C	PMA259	Draft Oct 99
Advanced Sidewinder Missile AIM-9X Cost Analysis Requirements Document (CARD)	No Number Assigned	PMA259	Draft Aug 99
Navy and Air Force ALSP for Sidewinder AIM-9X	MS-371	AIR-3.1.1L	Approved 25 Jan 99
AIM-9M-8 NTP	A-50-8105B	PMA205	Approved 30 Jan 97
Navy and Air Force ILSP for Sidewinder AIM-9M	ILSP MS-059	AIR-3.1.1L	Approved Dec 93

PART II - BILLET AND PERSONNEL REQUIREMENTS

Note 1: Part II of this AIM-9X NTSP is presented by NEC and MOS for ease of understanding. It was developed to establish the total intermediate level maintenance manpower and training requirements for the aviation ordnance community. The requirement is to train ordnance personnel in the USN and USMC to receive an NEC or MOS to fill a billet, not to support a single system. The following sections are a compilation of two intermediate level NECs, AO 6801 and AO 6802 and one intermediate level MOS, 6541 with associated billets. The addition of the AIM-9X to the intermediate level workload is only a small percentage of the required workload for that MOS or NEC. The NEC or MOS is not unique to the AIM-9X and, therefore, the total training requirements will remain the same.

Note 2: Element II.A.1a. is the delivery schedule for the AIM-9X.

Note 3: The commands and ships shaded Element II.A.1.b are the commands that will support the AIM-9X. All billet requirements shown are programmed in the F/A-18 NTSP, the applicable CV/CVN Class Total Ship NTSP, or applicable Shore Activity Manning Document, and are shown for planning of initial training requirements. Most initial training requirements for AIM-9X will be phased in FY03 to coincide with Fleet introduction, but will be updated as carrier deployment schedules become available.

PART II - BILLET AND PERSONNEL REQUIREMENTS

II.A. BILLET REQUIREMENTS

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

SOURCE: NAVAIRSYSCOM PMA259/PMA205

DATE: April 2000

ACTIVITY	UIC	PFYs	CFY00	FY01	FY02	FY03	FY04
OPERATIONAL	NAVY						
NAVWPNTSTRON CL	39787	1	0	0	0	0	0
NAVWPNTSTRON PM	39788	1	0	0	0	0	0
NAVSTKAIRSTRON	39783	1	0	0	0	0	0
VX-9	55646	1	0	0	0	0	0
VFA-106	09679	0	0	0	0	1	0
VFA-125	09485	0	0	0	0	1	0
VFA-15	09015	0	0	0	0	1	0
VFA-34	09070	0	0	0	0	1	0
VFA-37	09478	0	0	0	0	1	0
VFA-81	09221	0	0	0	0	1	0
VFA-82	09122	0	0	0	0	1	0
VFA-83	09223	0	0	0	0	1	0
VFA-86	09943	0	0	0	0	1	0
VFA-87	63922	0	0	0	0	1	0
VFA-105	65183	0	0	0	0	1	0
VFA-131	63934	0	0	0	0	1	0
VFA-136	55141	0	0	0	0	1	0
VFA-127	08956	0	0	0	0	1	0
VFA-22	09561	0	0	0	0	1	0
VFA-25	09637	0	0	0	0	1	0
VFA-94	09295	0	0	0	0	1	0
VFA-97	63923	0	0	0	0	1	0
VFA-113	09092	0	0	0	0	1	0
VFA-115	09604	0	0	0	0	1	0
VFA-137	55142	0	0	0	0	1	0
VFA-146	09063	0	0	0	0	1	0
VFA-147	63925	0	0	0	0	1	0
VFA-151	09558	0	0	0	0	1	0
VFA-27	65185	0	0	0	0	1	0
VFA-154	09678	0	0	0	0	1	0
VFA-192	55179	0	0	0	0	1	0
VFA-195	09706	0	0	0	0	1	0
VFA-203	09030	0	0	0	0	1	0
VFA-204	09032	0	0	0	0	1	0
NSAWC N7	69190	0	0	0	0	1	0
SFWSL	47084	0	0	0	0	1	0
SFWSP	35185	0	0	0	0	1	0
VFC-12	52994	0	0	0	0	0	0
VFC-13	52995	0	0	0	0	0	0
TOTAL:		4	0	0	0	33	0

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

SOURCE: NAVAIRSYSCOM PMA259/PMA205

DATE: April 2000

ACTIVITY	UIC	PFYs	CFY00	FY01	FY02	FY03	FY04
OPERATIONAL	USMC						
VMFA-115	09234	0	0	0	0	1	0
VMFA-122	09407	0	0	0	0	1	0
VMFA-251	09241	0	0	0	0	1	0
VMFA-312	09253	0	0	0	0	1	0
VMFA (AW)-224	01224	0	0	0	0	1	0
VMFA (AW)-332	09501	0	0	0	0	1	0
VMFA (AW)-533	09193	0	0	0	0	1	0
VMFA-212	09434	0	0	0	0	1	0
VMFA-232	09242	0	0	0	0	1	0
VMFA-235	09237	0	0	0	0	1	0
VMFA-314	09230	0	0	0	0	1	0
VMFA-323	09235	0	0	0	0	1	0
VMFA (AW)-121	09257	0	0	0	0	1	0
VMFA (AW)-225	09232	0	0	0	0	1	0
VMFA-112	08954	0	0	0	0	1	0
VMFA-134	09365	0	0	0	0	1	0
VMFA-142	67243	0	0	0	0	1	0
VMFA-321	67235	0	0	0	0	1	0
MALS Aug Beaufort	67863	0	0	0	0	1	0
MALS Aug Miramar	09111	0	0	0	0	1	0
MAWTS-1	55167	0	0	0	0	1	0
VMFAT-101	09965	0	0	0	0	1	0
TOTAL:		0	0	0	0	22	0
FLEET SUPPORT	NAVY						
NAS Fallon	60495	0	0	0	0	1	0
NAS Lemoore	63042	0	0	0	0	1	0
NAS Oceana	60191	0	0	0	0	1	0
COMNAVAIRLANT	57012	0	0	0	0	1	0
CV 63 USS Kitty Hawk	03363	0	0	0	0	1	0
CV 67 USS Kennedy	03367	0	0	0	0	1	0
CVN 65 USS Enterprise	03365	0	0	0	0	1	0
CVN 68 USS Nimitz	03368	0	0	0	0	1	0
CVN 69 USS Eisenhower	03369	0	0	0	0	1	0
CVN 70 USS Vinson	20993	0	0	0	0	1	0
CVN 71 USS Roosevelt	21247	0	0	0	0	1	0
CVN 72 USS Lincoln	21297	0	0	0	0	1	0
CVN 73 USS Washington	21412	0	0	0	0	1	0
CVN 74 USS Stennis	21847	0	0	0	0	1	0
CVN 75 USS Truman	21853	0	0	0	0	1	0
CVN 76 USS Reagan	22178	0	0	0	0	0	1
NAWMU-1	52821	0	0	0	0	1	0
NAWCAD Patuxent River	00421	0	0	0	0	1	0
NAWCWD Point Mugu	63126	0	0	0	0	1	0
NAWS Point Mugu	0429A	1	0	0	0	0	0
NAWS China Lake	68937	1	0	0	0	0	0

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

SOURCE: NAVAIRSYSCOM PMA259/PMA205

DATE: April 2000

ACTIVITY	UIC	PFYs	CFY00	FY01	FY02	FY03	FY04
TOTAL:		2	0	0	0	19	1
FLEET SUPPORT	USMC						
MAD China Lake	67852	0	0	0	0	1	0
MAD Patuxent River	67356	0	0	0	0	1	0
MALS-11 Miramar	09111	0	0	0	0	1	0
MALS-12 Iwakuni	09377	0	0	0	0	1	0
MALS-13 Yuma	09041	0	0	0	0	1	0
MALS-31 Beaufort	09384	0	0	0	0	1	0
MALS-41 Fort Worth	67239	0	0	0	0	0	0
MALS-42 Marietta	67236	0	0	0	0	0	0
MALS-46 Miramar	67244	0	0	0	0	0	0
MASD Andrews	04801	0	0	0	0	0	0
TOTAL:		0	0	0	0	6	0

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETTS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
OPERATIONAL ACTIVITIES - NAVY					
VFA-106, NAS Oceana, 09679					
USMC	0	1	SGT	6541	
ACTIVITY TOTAL:	0	1			
VAQ-129, NAS Whidbey, 09995					
USMC	0	1	SGT	6541	
ACTIVITY TOTAL:	0	1			
VFA-125, NAS Lemoore, 09485					
USMC	0	1	SGT	6541	
ACTIVITY TOTAL:	0	1			
VFA-201, 09309					
TAR	0	1	AO2	6802	
ACTIVITY TOTAL:	0	1			
VFA-203 DET New Orleans, 31633					
TAR	0	1	AO2	6802	
ACTIVITY TOTAL:	0	1			
VFA-204, 09032					
TAR	0	1	AO2	6802	
ACTIVITY TOTAL:	0	1			
OPERATIONAL ACTIVITIES - USMC					
HMH-464, MCAS New River, 53935					
USMC	0	5	CPL	6541	
	0	1	LCPL	6541	
ACTIVITY TOTAL:	0	6			
HMH-772, JRB Willow Grove, 09490					
USMC	0	1	CPL	6541	
	0	1	LCPL	6541	
ACTIVITY TOTAL:	0	2			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
HMLA-167, MCAS New River, 09898					
USMC	0	6	CPL	6541	
USMC	0	9	LCPL	6541	
	0	3	SGT	6541	
ACTIVITY TOTAL:	0	18			
HMLA-269, MCAS New River, 08998					
USMC	0	6	CPL	6541	
	0	9	LCPL	6541	
	0	3	SGT	6541	
ACTIVITY TOTAL:	0	18			
HMLA-773 DET NAS Willow Grove, 09472					
USMC	0	2	CPL	6541	
	0	2	LCPL	6541	
AR	0	1	SGT	6541	
SMCR	0	1	LCPL	6541	
ACTIVITY TOTAL:	0	6			
HMLA-773, NAS Atlanta, 09431					
USMC	0	2	CPL	6541	
	0	2	LCPL	6541	
AR	0	1	SGT	6541	
SMCR	0	2	CPL	6541	
	0	4	LCPL	6541	
	0	1	SGT	6541	
ACTIVITY TOTAL:	0	12			
HMLA-775 DET A, NAS New Orleans, 09415					
USMC	0	2	CPL	6541	
	0	2	LCPL	6541	
AR	0	1	SGT	6541	
SMCR	0	1	LCPL	6541	
ACTIVITY TOTAL:	0	6			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
HMLA-775, MCAS Camp Pendleton, 55252					
USMC	0	2	CPL	6541	
	0	2	LCPL	6541	
	0	1	SGT	6541	
AR	0	1	SGT	6541	
SMCR	0	2	CPL	6541	
	0	4	LCPL	6541	
ACTIVITY TOTAL:	0	12			
HMM-162, MCAS New River, 09492					
USMC	0	2	CPL	6541	
ACTIVITY TOTAL:	0	2			
HMM-261, MCAS New River, 09441					
USMC	0	2	CPL	6541	
ACTIVITY TOTAL:	0	2			
HMM-263, MCAS New River, 09445					
USMC	0	2	CPL	6541	
ACTIVITY TOTAL:	0	2			
HMM-264, MCAS New River, 09374					
USMC	0	2	CPL	6541	
ACTIVITY TOTAL:	0	2			
HMM-266, MCAS New River, 53972					
USMC	0	2	CPL	6541	
ACTIVITY TOTAL:	0	2			
HMM-365, MCAS New River, 53923					
USMC	0	2	CPL	6541	
ACTIVITY TOTAL:	0	2			
HMM-774, NS Norfolk, 09430					
USMC	0	2	CPL	6541	
ACTIVITY TOTAL:	0	2			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
HMT-303, MCAS Camp Pendleton, 55176					
USMC	0	3	LCPL	6541	
	0	3	SGT	6541	
ACTIVITY TOTAL:	0	6			
VMA-223, MCAS Cherry Point, 09438					
USMC	0	3	CPL	6541	
	0	7	LCPL	6541	
	0	2	SGT	6541	
ACTIVITY TOTAL:	0	12			
VMA-231, MCAS Cherry Point, 52948					
USMC	0	3	CPL	6541	
	0	7	LCPL	6541	
	0	2	SGT	6541	
ACTIVITY TOTAL:	0	12			
VMA-542, MCAS Cherry Point, 52847					
USMC	0	3	CPL	6541	
	0	7	LCPL	6541	
	0	2	SGT	6541	
ACTIVITY TOTAL:	0	12			
VMAQ-1, MCAS Cherry Point, 41345					
USMC	0	1	CPL	6541	
ACTIVITY TOTAL:	0	1			
VMAQ-2, MCAS Cherry Point, 42362					
USMC	0	1	CPL	6541	
ACTIVITY TOTAL:	0	1			
VMAQ-3, MCAS Cherry Point, 42363					
USMC	0	1	CPL	6541	
ACTIVITY TOTAL:	0	1			
VMAQ-4, MCAS Cherry Point, 67837					
USMC	0	1	CPL	6541	
ACTIVITY TOTAL:	0	1			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
VMAT-203, MCAS Cherry Point, 45483					
USMC	0	1	GYSGT	6541	
	0	1	LCPL	6541	
	0	1	SGT	6541	
	0	2	SSGT	6541	
ACTIVITY TOTAL:	0	5			
VMFA(AW)-224, MCAS Beaufort, 09439					
USMC	0	1	CPL	6541	
	0	5	LCPL	6541	
	0	3	SGT	6541	
	0	2	SSGT	6541	
ACTIVITY TOTAL:	0	11			
VMFA(AW)-332, MCAS Beaufort, 09501					
USMC	0	1	CPL	6541	
	0	5	LCPL	6541	
	0	3	SGT	6541	
	0	2	SSGT	6541	
ACTIVITY TOTAL:	0	11			
VMFA(AW)-533, MCAS Beaufort, 09193					
USMC	0	1	CPL	6541	
	0	5	LCPL	6541	
	0	3	SGT	6541	
	0	2	SSGT	6541	
ACTIVITY TOTAL:	0	11			
VMFA-115, MCAS Beaufort, 09234					
USMC	0	1	GYSGT	6541	
	0	6	LCPL	6541	
	0	2	SGT	6541	
	0	1	SSGT	6541	
ACTIVITY TOTAL:	0	10			
VMFA-122, MCAS Beaufort, 09407					
USMC	0	1	GYSGT	6541	
	0	6	LCPL	6541	
	0	2	SGT	6541	
	0	1	SSGT	6541	
ACTIVITY TOTAL:	0	10			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
VMFA-142, NAS Atlanta, 08966					
USMC	0	2	LCPL	6541	
	0	1	SGT	6541	
AR	0	1	SGT	6541	
AR	0	1	SSGT	6541	
SMCR	0	1	GYSGT	6541	
	0	4	LCPL	6541	
ACTIVITY TOTAL:	0	10			
VMFA-251, MCAS Beaufort, 09241					
USMC	0	1	GYSGT	6541	
	0	6	LCPL	6541	
	0	2	SGT	6541	
	0	1	SSGT	6541	
ACTIVITY TOTAL:	0	10			
VMFA-312 MCAS Beaufort, 09253					
USMC	0	1	GYSGT	6541	
	0	6	LCPL	6541	
	0	2	SGT	6541	
	0	1	SSGT	6541	
ACTIVITY TOTAL:	0	10			
VMFA-321, Andrews AFB, 09265					
USMC	0	2	LCPL	6541	
	0	1	SGT	6541	
AR	0	1	SGT	6541	
	0	1	SSGT	6541	
SMCR	0	1	GYSGT	6541	
	0	4	LCPL	6541	
ACTIVITY TOTAL:	0	10			
HMH-361, MCAS Miramar, 09446					
USMC	0	5	CPL	6541	
	0	1	LCPL	6541	
ACTIVITY TOTAL:	0	6			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
HMH-362, MCB Hawaii, 09495 USMC	0	2	CPL	6541	
ACTIVITY TOTAL:	0	2			
HMH-363, MCB Hawaii, 09496 USMC	0	2	CPL	6541	
ACTIVITY TOTAL:	0	2			
HMH-366, MCB Hawaii, 55650 USMC	0	2	CPL	6541	
ACTIVITY TOTAL:	0	2			
HMH-462, MCAS Miramar, 09349 USMC	0	5	CPL	6541	
	0	1	LCPL	6541	
ACTIVITY TOTAL:	0	6			
HMH-463, MCB Hawaii, 09010 USMC	0	2	CPL	6541	
ACTIVITY TOTAL:	0	2			
HMH-465, MCAS Miramar, 53936 USMC	0	5	CPL	6541	
	0	1	LCPL	6541	
ACTIVITY TOTAL:	0	6			
HMH-466, MCAS Miramar, 53998 USMC	0	5	CPL	6541	
	0	1	LCPL	6541	
ACTIVITY TOTAL:	0	6			
HMH-769, Edwards AFB, 09487 USMC	0	1	CPL	6541	
	0	1	LCPL	6541	
ACTIVITY TOTAL:	0	2			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
HMLA-169, MCAS Camp Pendleton, 09202					
USMC	0	6	CPL	6541	
	0	9	LCPL	6541	
	0	3	SGT	6541	
ACTIVITY TOTAL:	0	18			
HMLA-267, MCAS Camp Pendleton, 09159					
USMC	0	6	CPL	6541	
	0	9	LCPL	6541	
	0	3	SGT	6541	
ACTIVITY TOTAL:	0	18			
HMLA-367, MCAS Camp Pendleton, 09079					
USMC	0	6	CPL	6541	
	0	9	LCPL	6541	
	0	3	SGT	6541	
ACTIVITY TOTAL:	0	18			
HMLA-369, MCAS Camp Pendleton, 09361					
USMC	0	6	CPL	6541	
	0	9	LCPL	6541	
	0	3	SGT	6541	
ACTIVITY TOTAL:	0	18			
HMM-161, MCAS Miramar, 09440					
USMC	0	2	CPL	6541	
ACTIVITY TOTAL:	0	2			
HMM-163, MCAS Miramar, 09405					
USMC	0	2	CPL	6541	
ACTIVITY TOTAL:	0	2			
HMM-164, MCAS Miramar, 09408					
USMC	0	2	CPL	6541	
ACTIVITY TOTAL:	0	2			
HMM-165, MCAS Miramar, 09343					
USMC	0	2	CPL	6541	
ACTIVITY TOTAL:	0	2			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
HMM-166, MCAS Miramar, 53973 USMC	0	2	CPL	6541	
ACTIVITY TOTAL:	0	2			
HMM-262 MCAS Okinawa, 09442 USMC	0	2	CPL	6541	
ACTIVITY TOTAL:	0	2			
HMM-265, MCAS Okinawa, 09404 USMC	0	2	CPL	6541	
ACTIVITY TOTAL:	0	2			
HMM-268, MCAS Camp Pendleton, 52790 USMC	0	2	CPL	6541	
ACTIVITY TOTAL:	0	2			
HMM-364, MCAS Camp Pendleton, 09793 USMC	0	2	CPL	6541	
ACTIVITY TOTAL:	0	2			
HMM-764, Edwards AFB, 09402 USMC	0	2	CPL	6541	
ACTIVITY TOTAL:	0	2			
MAWTS-1, MCAS Yuma, 55167 USMC	0	1	LCPL	6541	
	0	1	SGT	6541	
ACTIVITY TOTAL:	0	2			
VFMAT-101 Navy DET, 52817 ACDU	0	2	AO3	6802	
ACTIVITY TOTAL:	0	2			
VMA-211, MCAS Yuma, 09412 USMC	0	3	CPL	6541	
	0	7	LCPL	6541	
	0	2	SGT	6541	
ACTIVITY TOTAL:	0	12			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
VMA-214, MCAS Yuma, 09436					
USMC	0	3	CPL	6541	
	0	7	LCPL	6541	
	0	2	SGT	6541	
ACTIVITY TOTAL:	0	12			
VMA-311, MCAS Yuma, 09416					
USMC	0	3	CPL	6541	
	0	7	LCPL	6541	
	0	2	SGT	6541	
ACTIVITY TOTAL:	0	12			
VMA-513, MCAS Yuma, 09231					
USMC	0	3	CPL	6541	
	0	7	LCPL	6541	
	0	2	SGT	6541	
ACTIVITY TOTAL:	0	12			
VMFA(AW)-121, MCAS Miramar, 09257					
USMC	0	1	CPL	6541	
	0	5	LCPL	6541	
	0	3	SGT	6541	
	0	2	SSGT	6541	
ACTIVITY TOTAL:	0	11			
VMFA(AW)-225, MCAS Miramar, 09232					
USMC	0	1	CPL	6541	
	0	5	LCPL	6541	
	0	3	SGT	6541	
	0	2	SSGT	6541	
ACTIVITY TOTAL:	0	11			
VMFA(AW)-242, MCAS Miramar, 09668					
USMC	0	1	CPL	6541	
	0	5	LCPL	6541	
	0	3	SGT	6541	
	0	2	SSGT	6541	
ACTIVITY TOTAL:	0	11			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
VMFA-112, JRB Fort Worth, 08954					
USMC	0	2	LCPL	6541	
	0	1	SGT	6541	
AR	0	1	SGT	6541	
	0	1	SSGT	6541	
SMCR	0	1	GYSGT	6541	
	0	4	LCPL	6541	
ACTIVITY TOTAL:	0	10			
VMFA-134, MCAS Miramar, 09365					
USMC	0	2	LCPL	6541	
USMC	0	1	SGT	6541	
AR	0	1	SSGT	6541	
SMCR	0	1	GYSGT	6541	
	0	4	LCPL	6541	
	0	1	SGT	6541	
ACTIVITY TOTAL:	0	10			
VMFA-212, MCAS Iwakuni, 09434					
USMC	0	1	GYSGT	6541	
	0	6	LCPL	6541	
	0	2	SGT	6541	
	0	1	SSGT	6541	
ACTIVITY TOTAL:	0	10			
VMFA-232, MCAS Miramar, 09242					
USMC	0	1	GYSGT	6541	
	0	6	LCPL	6541	
	0	2	SGT	6541	
	0	1	SSGT	6541	
ACTIVITY TOTAL:	0	10			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
VMFA-314, MCAS Miramar, 09230					
USMC	0	1	GYSGT	6541	
	0	6	LCPL	6541	
	0	2	SGT	6541	
	0	1	SSGT	6541	
ACTIVITY TOTAL:	0	10			
VMFA-323, MCAS Miramar, 09235					
USMC	0	1	GYSGT	6541	
	0	6	LCPL	6541	
	0	2	SGT	6541	
	0	1	SSGT	6541	
ACTIVITY TOTAL:	0	10			
VMFAT-101, MCAS Miramar, 09965					
USMC	0	3	CPL	6541	
	0	6	LCPL	6541	
ACTIVITY TOTAL:	0	9			
FLEET SUPPORT ACTIVITIES - NAVY					
AFLOATRAGRU Norfolk CSTG, 49085					
ACDU	0	2	AOC	6801	
ACTIVITY TOTAL:	0	2			
COMNAVAIRLANT, 57012					
ACDU	0	2	AOC	6801	
	0	1	AOC	6802	
ACTIVITY TOTAL:	0	3			
COMSTKFITWINGLANT Det, MCAS Beaufort, 3006A					
ACDU	0	3	AO1	6801	
	0	5	AO2	6801	
	0	4	AO3	6801	
	0	4	AOAN	6801	
ACTIVITY TOTAL:	0	16			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
CV 67 USS John F. Kennedy, 03367					
ACDU	0	1	AOC	6802	
	0	10	AO1	6801	
	0	2	AO1	6802	
	0	2	AO2	6801	
	0	1	AO2	6802	
	0	1	AO3	6802	
	0	7	AOAN	6802	
ACTIVITY TOTAL:	0	24			
CVN 65 USS Enterprise, 03365					
ACDU	0	1	AOC	6801	
	0	1	AOC	6802	
	0	9	AO1	6801	
	0	2	AO1	6802	
	0	1	AO2	6801	
	0	1	AO2	6802	
	0	3	AOAN	6802	
ACTIVITY TOTAL:	0	18			
CVN 68 USS Nimitz, 03368					
ACDU	0	1	AOC	6802	
	0	10	AO1	6801	
	0	2	AO1	6802	
	0	1	AO2	6801	
ACDU	0	2	AO2	6802	
	0	2	AOAN	6802	
ACTIVITY TOTAL:	0	18			
CVN 69 USS Dwight D. Eisenhower, 03369					
ACDU	0	1	AOC	6802	
	0	10	AO1	6801	
	0	2	AO1	6802	
	0	1	AO2	6801	
	0	2	AO2	6802	
	0	1	AO3	6802	
	0	6	AOAN	6802	
ACTIVITY TOTAL:	0	23			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
CVN 71 USS Theodore Roosevelt, 21247					
ACDU	0	1	AOC	6802	
	0	10	AO1	6801	
	0	2	AO1	6802	
	0	1	AO2	6801	
	0	1	AO2	6802	
	0	4	AOAN	6802	
ACTIVITY TOTAL:	0	19			
CVN 73 USS George Washington, 21412					
ACDU	0	1	AOC	6801	
	0	1	AOC	6802	
	0	9	AO1	6801	
	0	2	AO1	6802	
	0	1	AO2	6801	
	0	1	AO2	6802	
	0	3	AOAN	6802	
ACTIVITY TOTAL:	0	18			
CVN 75 USS Harry S. Truman, 21853					
ACDU	0	1	AOC	6802	
	0	10	AO1	6801	
	0	2	AO1	6802	
	0	2	AO2	6802	
	0	1	AO3	6802	
	0	1	AOAN	6802	
ACTIVITY TOTAL:	0	17			
FASOTRAGRULANT, 09810					
ACDU	0	2	AO1	6801	9502
ACTIVITY TOTAL:	0	2			
LHA 2 USS Saipan, 20632					
ACDU	0	2	AO1	6801	
	0	1	AO1	6802	
ACTIVITY TOTAL:	0	3			
LHA 4 USS Nassau, 20725					
ACDU	0	2	AO1	6801	
	0	1	AO1	6802	

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
ACTIVITY TOTAL:	0	3			
LHD 1 USS Wasp, 21560					
ACDU	0	2	AO1	6801	
	0	1	AO1	6802	
	0	1	AO3	6802	
ACTIVITY TOTAL:	0	4			
LHD 3 USS Kearsarge, 21700					
ACDU	0	2	AO1	6801	
	0	1	AO1	6802	
	0	1	AO3	6802	
ACTIVITY TOTAL:	0	4			
LHD 5 USS Bataan, 21879					
ACDU	0	2	AO1	6801	
	0	1	AO1	6802	
	0	1	AO3	6802	
ACTIVITY TOTAL:	0	4			
LHD 7 USS Iwo Jima, 23027, FY01 Increment					
ACDU	0	2	AO1	6801	
	0	1	AO1	6802	
	0	1	AO3	6802	
ACTIVITY TOTAL:	0	4			
NAF Mildenhall, 57032					
SELRES	0	1	AOC	6801	
ACTIVITY TOTAL:	0	1			
NAF Washington DC RAIMD, 44492					
TAR	0	1	AO1	6802	
	0	1	AO3	6802	
	0	1	AOAN	6802	
NAF Washington DC RAIMD, 44492, FY01 Increment					
TAR	0	1	AOAN	6802	
ACTIVITY TOTAL:	0	4			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
NAS Atlanta RAIMD, 44486					
TAR	0	1	AO1	6802	
	0	2	AO2	6802	
	0	1	AO3	6802	
NAS Atlanta RAIMD, 44486, FY01 Increment					
TAR	0	1	AO3	6802	
ACTIVITY TOTAL:	0	5			
NAS Brunswick, 60087					
ACDU	0	3	AO1	6801	
	0	1	AO1	6810	6801
	0	1	AO2	6801	
	0	4	AO3	6801	
ACTIVITY TOTAL:	0	9			
NAS Brunswick AIMD, 44314					
ACDU	0	1	AO2	6802	
	0	1	AO3	6802	
ACTIVITY TOTAL:	0	2			
NAS Cecil Field, 60200					
ACDU	0	3	AOC	6801	
	0	6	AO1	6801	
	0	6	AO2	6801	
	0	8	AO3	6801	
ACTIVITY TOTAL:	0	23			
NAS Cecil Field AIMD, 44315					
ACDU	0	1	AO1	6802	
	0	2	AOAN	6802	
ACTIVITY TOTAL:	0	3			
NAS Cecil Field Sea OPDET, 46961					
ACDU	0	1	AO3	6802	
ACTIVITY TOTAL:	0	1			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
NAS Jacksonville AIMD, 44319					
ACDU	0	1	AO1	6802	
	0	1	AO2	6802	
	0	1	AO3	6802	
	0	1	AOAN	6802	
ACTIVITY TOTAL:	0	4			
NAS Jacksonville Sea OPDET, 46965					
ACDU	0	5	AOAN	6802	
ACTIVITY TOTAL:	0	5			
NAS Keflavik, 63032					
ACDU	0	1	AOC	6801	
	0	1	AOC	0812	6801
	0	1	AO2	6810	6801
	0	1	AO3	6801	
	0	1	AOAN	6801	
ACTIVITY TOTAL:	0	5			
NAS Key West AIMD, 44320					
ACDU	0	1	AO1	6802	
	0	1	AO2	6802	
ACTIVITY TOTAL:	0	2			
NAS Oceana, 60191					
ACDU	0	3	AOAN	6801	
ACTIVITY TOTAL:	0	3			
NAS Oceana AIMD, 44327					
ACDU	0	1	AOC	6802	
	0	7	AO1	6802	
	0	20	AO2	6802	
	0	23	AO3	6802	
	0	22	AOAN	6802	
ACTIVITY TOTAL:	0	73			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
NAS Oceana Sea OPDET, 46963					
ACDU	0	10	AO2	6802	
	0	4	AO3	6802	
	0	5	AOAN	6802	
ACTIVITY TOTAL:	0	19			
NAS Sigonella AIMD, 44330					
ACDU	0	1	AO1	6803	6802
	0	1	AO2	6803	6802
ACTIVITY TOTAL:	0	2			
NAS Willow Grove RAIMD, 44493, FY00 Increment					
TAR	0	2	AO3	6802	
	0	1	AOAN	6802	
ACTIVITY TOTAL:	0	3			
NAVSTKAIR TESTRON, 39783					
ACDU	0	3	AO1	6801	
	0	1	AO2	6801	
	0	5	AO3	6801	
	0	4	AOAN	6801	
	0	2	AOAN	6801	8845
ACTIVITY TOTAL:	0	15			
NAVTEST WINGLANT, 39782					
ACDU	0	1	AOC	6802	
	0	2	AO1	6802	6803
	0	1	AO1	6803	6802
	0	1	AO2	6802	
	0	1	AO2	6803	6802
	0	2	AO3	6802	
	0	2	AOAN	6802	
ACTIVITY TOTAL:	0	10			
NS Roosevelt Roads A/C OPDET, 35682					
ACDU	0	1	AOAN	6802	
ACTIVITY TOTAL:	0	1			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
NS Roosevelt Roads AIMD, 44373					
ACDU	0	1	AO1	6802	
ACDU	0	1	AO2	6802	
	0	3	AO3	6802	
ACTIVITY TOTAL:	0	5			
Ordnance Det Oceana, 31279					
ACDU	0	1	AOC	6801	
	0	1	AO1	6801	
	0	8	AO2	6801	
	0	15	AO3	6801	
	0	8	AOAN	6801	
ACTIVITY TOTAL:	0	33			
SURFLANT AVORD/MTT Norfolk, 48764					
ACDU	0	5	AO1	6801	
ACTIVITY TOTAL:	0	5			
COMFLTACT Okinawa, 62254					
ACDU	0	1	AO1	6801	
	0	1	AO2	6801	
ACTIVITY TOTAL:	0	2			
CV 63 USS Kitty Hawk, 03363					
ACDU	0	1	AOC	6802	
	0	10	AO1	6801	
	0	2	AO1	6802	
	0	1	AO2	6801	
	0	3	AO2	6802	
	0	3	AO3	6802	
	0	5	AOAN	6802	
ACTIVITY TOTAL:	0	25			
CV 64 USS Constellation, 03364					
ACDU	0	1	AOC	6802	
	0	10	AO1	6801	
	0	2	AO1	6802	
	0	1	AO2	6801	
	0	1	AO2	6802	
	0	4	AOAN	6802	
ACTIVITY TOTAL:	0	19			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
CVN 70 USS Carl Vinson, 20993					
ACDU	0	1	AOC	6801	
ACDU	0	1	AOC	6802	
	0	9	AO1	6801	
	0	2	AO1	6802	
	0	1	AO2	6801	
	0	1	AO2	6802	
	0	1	AO3	6802	
	0	2	AOAN	6802	
ACTIVITY TOTAL:	0	18			
CVN 72 USS Abraham Lincoln, 21297					
ACDU	0	1	AOC	6801	
	0	1	AOC	6802	
	0	9	AO1	6801	
	0	2	AO1	6802	
	0	1	AO2	6801	
	0	1	AO2	6802	
	0	3	AOAN	6802	
ACTIVITY TOTAL:	0	18			
CVN 74 USS John C. Stennis, 21847					
ACDU	0	1	AOC	6802	
	0	10	AO1	6801	
	0	2	AO1	6802	
	0	1	AO2	6801	
	0	2	AO2	6802	
	0	2	AOAN	6802	
ACTIVITY TOTAL:	0	18			
CVN 76 USS Ronald Reagan, 22178, FY02 Increment					
ACDU	0	1	AOC	6802	
	0	10	AO1	6801	
	0	2	AO1	6802	
	0	1	AO2	6801	
	0	2	AO2	6802	
	0	2	AOAN	6802	
ACTIVITY TOTAL:	0	18			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
LHA 1 USS Tarawa, 20550					
ACDU	0	2	AO1	6801	
	0	1	AO1	6802	
ACTIVITY TOTAL:	0	3			
LHA 3 USS Belleau Wood, 20633					
ACDU	0	2	AO1	6801	
	0	1	AO1	6802	
ACTIVITY TOTAL:	0	3			
LHA 5 USS Peleliu, 20748					
ACDU	0	2	AO1	6801	
	0	1	AO1	6802	
ACTIVITY TOTAL:	0	3			
LHD 2 USS Essex, 21533					
ACDU	0	2	AO1	6801	
	0	1	AO1	6802	
	0	1	AO3	6802	
ACTIVITY TOTAL:	0	4			
LHD 4 USS Boxer, 21808					
ACDU	0	2	AO1	6801	
	0	1	AO1	6802	
	0	1	AO3	6802	
ACTIVITY TOTAL:	0	4			
LHD 6 USS Bonhomme Richard, 22202					
ACDU	0	2	AO1	6801	
	0	1	AO1	6802	
	0	1	AO3	6802	
ACTIVITY TOTAL:	0	4			
MCS 12 USS Inchon, 20009					
TAR	0	1	AO1	6801	
	0	1	AO1	6802	
ACTIVITY TOTAL:	0	2			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
NAF Atsugi AIMD, 44323					
ACDU	0	1	AO1	6802	
	0	2	AO3	6802	
	0	2	AOAN	6802	
ACTIVITY TOTAL:	0	5			
NAF EI Centro, 60042					
ACDU	0	1	AOC	6801	
	0	1	AO1	6801	
ACDU	0	1	AO1	6802	
	0	5	AO2	6801	
	0	1	AO2	6802	
ACTIVITY TOTAL:	0	9			
NAS Fallon, 44317					
ACDU	0	1	AO1	6802	
	0	4	AO2	6802	
	0	3	AO3	6802	
	0	1	AO3	6802	9527
ACTIVITY TOTAL:	0	9			
NAS JRB Fort Worth RAIMD, 44487					
TAR	0	2	AO2	6802	
	0	1	AO3	6802	
ACTIVITY TOTAL:	0	3			
NAS Lemoore, 63042					
ACDU	0	1	AO1	6801	
	0	2	AO2	6801	
ACTIVITY TOTAL:	0	3			
NAS Lemoore AIMD, 44321					
ACDU	0	2	AOC	6802	
	0	9	AO1	6802	
	0	8	AO2	6802	
	0	11	AO3	6802	
	0	24	AOAN	6802	

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
NAS Lemoore AIMD, 44321, FY01 Increment					
ACDU	0	1	AO2	6802	
NAS Lemoore AIMD, 44321, FY02 Increment					
ACDU	0	2	AOAN	6802	
ACTIVITY TOTAL:	0	57			
NAS Lemoore Sea OPDET, 46964					
ACDU	0	4	AO2	6802	
	0	3	AO3	6802	
	0	4	AOAN	6802	
ACTIVITY TOTAL:	0	11			
NAS New Orleans RAIMD, 44490					
TAR	0	1	AO3	6802	
	0	1	AOAN	6802	
ACTIVITY TOTAL:	0	2			
NAS North Island AIMD, 44326					
ACDU	0	2	AO1	6802	
	0	2	AO2	6802	
	0	2	AO3	6802	
	0	2	AOAN	6802	
ACTIVITY TOTAL:	0	8			
NAS North Island Sea OPDET, 46968					
ACDU	0	4	AOAN	6802	
ACTIVITY TOTAL:	0	4			
NAS Point Mugu, 0429A					
ACDU	0	1	AOC	8345	6801
	0	5	AO1	6801	
	0	6	AO2	6801	
	0	5	AO3	6801	
	0	1	AO3	6801	8842
	0	1	AOAN	6801	
ACTIVITY TOTAL:	0	19			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
NAS Point Mugu A/C OPDET, 45113					
ACDU	0	2	AO3	6802	
ACTIVITY TOTAL:	0	2			
NAS Point Mugu AIMD, 44328					
ACDU	0	1	AO1	6802	
	0	2	AO2	6802	
	0	1	AO3	6802	
ACTIVITY TOTAL:	0	4			
NAS Whidbey AIMD, 44329					
ACDU	0	3	AO1	6802	
	0	2	AO2	6802	
	0	1	AO3	6802	
	0	2	AOAN	6802	
ACTIVITY TOTAL:	0	8			
NAS Whidbey Island Sea OPDET, 46967					
ACDU	0	9	AO3	6802	
ACTIVITY TOTAL:	0	9			
NAS Whidbey Van OPDET, 31179					
ACDU	0	5	AO2	6802	
	0	5	AO3	6802	
ACTIVITY TOTAL:	0	10			
NATMSACT Kingsville, 49149					
ACDU	0	1	AO1	6801	
ACTIVITY TOTAL:	0	1			
NAVAIRWPNS-MAINTUNIT One, Guam, 52821					
ACDU	0	1	AOC	6801	
	0	3	AO1	6801	
	0	12	AO2	6801	
	0	4	AO3	6801	
	0	5	AO3	6802	
	0	3	AOAN	6801	
ACTIVITY TOTAL:	0	28			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
NAVWPN TESTRON China Lake, 39787					
ACDU	0	1	AO1	8342	6802
ACTIVITY TOTAL:	0	1			
NAWCWD Point Mugu, 63126					
ACDU	0	1	AOC	6802	8342
	0	1	AO1	6801	
	0	1	AO1	6802	
ACTIVITY TOTAL:	0	3			
FLEET SUPPORT ACTIVITIES - USMC					
2nd MAW, MCAS Cherry Point, 57080					
USMC	0	1	GYSGT	6541	
ACTIVITY TOTAL:	0	1			
4th MAW, NAS New Orleans, 67021					
USMC	0	1	GYSGT	6541	
ACTIVITY TOTAL:	0	1			
Aviation Department HQMC, 83173					
USMC	0	1	SSGT	6541	
ACTIVITY TOTAL:	0	1			
Blount Island, NAS Jacksonville, 32264					
USMC	0	1	GYSGT	6541	
	0	1	SGT	6541	
ACTIVITY TOTAL:	0	2			
H&HS, MCAS Beaufort, 04017					
USMC	0	1	GYSGT	6541	
	0	1	LCPL	6541	
	0	1	SGT	6541	
	0	1	SGT	6541	9954
	0	1	SSGT	6541	
ACTIVITY TOTAL:	0	5			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
H&HS, MCAS Cherry Point, 09037					
USMC	0	4	CPL	6541	
	0	4	LCPL	6541	
	0	4	SGT	6541	
	0	3	SSGT	6541	
ACTIVITY TOTAL:	0	15			
H&HS, MCAS New River, 02021					
USMC	0	1	CPL	6541	9954
	0	1	GYSGT	6541	
	0	1	LCPL	6541	
	0	1	SGT	6541	
	0	1	SSGT	6541	
ACTIVITY TOTAL:	0	5			
MALS-14, MCAS Cherry Point, 09114					
USMC	0	9	CPL	6541	
	0	4	GYSGT	6541	
	0	20	LCPL	6541	
	0	7	SGT	6541	
	0	4	SSGT	6541	
ACTIVITY TOTAL:	0	44			
MALS-26, MCAS New River, 09167					
USMC	0	1	CPL	6541	
	0	2	GYSGT	6541	
	0	5	LCPL	6541	
	0	1	SGT	6541	
	0	3	SSGT	6541	
ACTIVITY TOTAL:	0	12			
MALS-29, MCAS New River, 52841					
USMC	0	1	CPL	6541	
	0	2	GYSGT	6541	
	0	5	LCPL	6541	
	0	1	SGT	6541	
	0	3	SSGT	6541	
ACTIVITY TOTAL:	0	12			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
MALS-31, MCAS Beaufort, 09131					
USMC	0	9	CPL	6541	
	0	4	GYSGT	6541	
	0	20	LCPL	6541	
	0	7	SGT	6541	
	0	4	SSGT	6541	
ACTIVITY TOTAL:	0	44			
MALS-42, JRB Marietta Georgia, 09513					
USMC	0	1	LCPL	6541	
	0	1	SGT	6541	
AR	0	1	CPL	6541	
	0	1	GYSGT	6541	
	0	1	SSGT	6541	
SMCR	0	1	GYSGT	6541	
	0	4	LCPL	6541	
	0	2	SSGT	6541	
ACTIVITY TOTAL:	0	12			
MALS-49, JRB Stewart New York, 55555					
USMC	0	2	LCPL	6541	
	0	1	SGT	6541	
	0	1	SSGT	6541	
AR	0	1	SSGT	6541	
SMCR	0	1	CPL	6541	
	0	2	GYSGT	6541	
	0	3	LCPL	6541	
	0	1	SSGT	6541	
ACTIVITY TOTAL:	0	12			
MARCOR Field Services Assignment, 83173					
USMC	0	2	CPL	6541	
	0	1	GYSGT	6541	
	0	2	LCPL	6541	
	0	2	SGT	6541	
ACTIVITY TOTAL:	0	7			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETTS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
MATSG Pensacola, 67389					
USMC	0	1	GYSGT	6541	
	0	5	SSGT	6541	
ACTIVITY TOTAL:	0	6			
MC Personnel Department of Navy, Non-Department, 83173					
USMC	0	4	GYSGT	6541	
	0	1	SGT	6541	
	0	1	SSGT	6541	
ACTIVITY TOTAL:	0	6			
Special Assignment MC Navy Department, 88080					
USMC	0	1	GYSGT	6541	
ACTIVITY TOTAL:	0	1			
1st MAW, MCAS Okinawa, 57079					
USMC	0	1	GYSGT	6541	
ACTIVITY TOTAL:	0	1			
3rd MAW, MCAS Miramar, 00300					
USMC	0	1	GYSGT	6541	
ACTIVITY TOTAL:	0	1			
H&HS, MCAS Camp Pendleton, 27604					
USMC	0	2	CPL	6541	
	0	1	GYSGT	6541	
USMC	0	2	LCPL	6541	
	0	1	SGT	6541	
	0	3	SSGT	6541	
ACTIVITY TOTAL:	0	9			
H&HS, MCAS Futenma, 63026					
USMC	0	1	GYSGT	6541	
ACTIVITY TOTAL:	0	1			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETTS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
H&HS, MCAS Iwakuni, 52991					
USMC	0	1	CPL	6541	
	0	1	LCPL	6541	
	0	3	SGT	6541	
	0	2	SSGT	6541	
ACTIVITY TOTAL:	0	7			
H&HS, MCAS Miramar, 31200					
USMC	0	2	CPL	6541	
	0	2	GYSGT	6541	
	0	1	LCPL	6541	
	0	2	SGT	6541	
	0	2	SSGT	6541	
ACTIVITY TOTAL:	0	9			
H&HS, MCAS Yuma, 62974					
USMC	0	3	GYSGT	6541	
	0	7	LCPL	6541	
	0	4	SGT	6541	
	0	1	SSGT	6541	
	0	3	SSGT	6541	9954
ACTIVITY TOTAL:	0	18			
MAD China Lake, 67852					
USMC	0	1	GYSGT	6541	
	0	1	SSGT	6541	
ACTIVITY TOTAL:	0	2			
MALS-11, MCAS Miramar, 09111					
USMC	0	9	CPL	6541	
	0	4	GYSGT	6541	
	0	20	LCPL	6541	
	0	7	SGT	6541	
USMC	0	4	SSGT	6541	
ACTIVITY TOTAL:	0	44			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
MALS-12, MCAS Iwakuni, 09112					
USMC	0	9	CPL	6541	
	0	4	GYSGT	6541	
	0	20	LCPL	6541	
	0	7	SGT	6541	
	0	4	SSGT	6541	
ACTIVITY TOTAL:	0	44			
MALS-13, MCAS Yuma, 57082					
USMC	0	9	CPL	6541	
	0	4	GYSGT	6541	
	0	20	LCPL	6541	
	0	7	SGT	6541	
	0	4	SSGT	6541	
ACTIVITY TOTAL:	0	44			
MALS-16, MCAS Miramar, 55583					
USMC	0	1	CPL	6541	
	0	2	GYSGT	6541	
	0	5	LCPL	6541	
	0	1	SGT	6541	
	0	3	SSGT	6541	
ACTIVITY TOTAL:	0	12			
MALS-36, MCAS Okinawa, 09136					
USMC	0	1	CPL	6541	
	0	2	GYSGT	6541	
	0	5	LCPL	6541	
	0	1	SGT	6541	
	0	3	SSGT	6541	
ACTIVITY TOTAL:	0	12			
MALS-39, MCAS Camp Pendleton, 09808					
USMC	0	1	CPL	6541	
	0	2	GYSGT	6541	
	0	5	LCPL	6541	
	0	1	SGT	6541	
	0	3	SSGT	6541	
ACTIVITY TOTAL:	0	12			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
MALS-41, JRB Fort Worth, 08944					
USMC	0	1	CPL	6541	
	0	2	GYSGT	6541	
	0	1	LCPL	6541	
	0	1	SGT	6541	
AR	0	1	GYSGT	6541	
	0	1	SGT	6541	
	0	2	SSGT	6541	
SMCR	0	7	CPL	6541	
	0	1	GYSGT	6541	
	0	20	LCPL	6541	
	0	5	SGT	6541	
	0	2	SSGT	6541	
ACTIVITY TOTAL:	0	44			
MALS-46, MCAS Miramar, 09376					
USMC	0	1	LCPL	6541	
	0	1	SGT	6541	
AR	0	1	GYSGT	6541	
	0	1	SGT	6541	
	0	1	SSGT	6541	
SMCR	0	8	CPL	6541	
	0	3	GYSGT	6541	
	0	20	LCPL	6541	
	0	5	SGT	6541	
	0	3	SSGT	6541	
ACTIVITY TOTAL:	0	44			
MALSE, MCAS Kaneohe, 31947					
USMC	0	1	GYSGT	6541	
	0	1	LCPL	6541	
	0	1	SGT	6541	
	0	1	SSGT	6541	
ACTIVITY TOTAL:	0	4			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
MCAF, MCAS Kaneohe, 31498					
USMC	0	4	LCPL	6541	
	0	2	SGT	6541	
	0	1	SSGT	6541	
ACTIVITY TOTAL:	0	7			
MCAGCC 29 Palms, 47790					
USMC	0	2	LCPL	6541	
	0	1	SGT	6541	
	0	1	SSGT	6541	
	0	1	PVT	6541	
ACTIVITY TOTAL:	0	5			

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY00		FY01		FY02		FY03		FY04	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NAVY OPERATIONAL ACTIVITIES - TAR													
AO2	6802		3	0		0		0		0		0	
NAVY OPERATIONAL ACTIVITIES - USMC													
SGT	6541		3	0		0		0		0		0	
USMC OPERATIONAL ACTIVITIES - ACDU													
AO3	6802		2	0		0		0		0		0	
USMC OPERATIONAL ACTIVITIES - USMC													
CPL	6541		147	0		0		0		0		0	
GYSGT	6541		9	0		0		0		0		0	
LCPL	6541		215	0		0		0		0		0	
SGT	6541		76	0		0		0		0		0	
SSGT	6541		22	0		0		0		0		0	
USMC OPERATIONAL ACTIVITIES - AR													
SGT	6541		7	0		0		0		0		0	
SSGT	6541		4	0		0		0		0		0	
USMC OPERATIONAL ACTIVITIES - SMCR													
CPL	6541		4	0		0		0		0		0	
GYSGT	6541		4	0		0		0		0		0	
LCPL	6541		26	0		0		0		0		0	
SGT	6541		2	0		0		0		0		0	
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
AOC	6801		15	0		0		0		0		0	
AOC	6802		17	0		0		1		0		0	
AOC	6802 8342		1	0		0		0		0		0	
AOC	0812 6801		1	0		0		0		0		0	
AOC	8345 6801		1	0		0		0		0		0	
AO1	6801		172	0		2		10		0		0	
AO1	6801 9502		2	0		0		0		0		0	
AO1	6802		65	0		1		2		0		0	
AO1	6802 6803		2	0		0		0		0		0	
AO1	6803 6802		2	0		0		0		0		0	
AO1	6810 6801		1	0		0		0		0		0	
AO1	8342 6802		1	0		0		0		0		0	
AO2	6801		59	0		0		1		0		0	
AO2	6802		81	0		1		2		0		0	
AO2	6803 6802		2	0		0		0		0		0	
AO2	6810 6801		1	0		0		0		0		0	
AO3	6801		46	0		0		0		0		0	
AO3	6801 8842		1	0		0		0		0		0	
AO3	6802		92	0		1		0		0		0	

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS		PFYs		CFY00		FY01		FY02		FY03		FY04	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
AO3	6802	9527		1		0		0		0		0		0
AOAN	6801			24		0		0		0		0		0
AOAN	6801	8845		2		0		0		0		0		0
AOAN	6802			118		0		0		4		0		0
NAVY FLEET SUPPORT ACTIVITIES - TAR														
AO1	6801			1		0		0		0		0		0
AO1	6802			3		0		0		0		0		0
AO2	6802			4		0		0		0		0		0
AO3	6802			4		2		1		0		0		0
AOAN	6802			2		1		1		0		0		0
NAVY FLEET SUPPORT ACTIVITIES - SELRES														
AOC	6801			1		0		0		0		0		0
USMC FLEET SUPPORT ACTIVITIES - USMC														
CPL	6541			62		0		0		0		0		0
CPL	6541	9954		1		0		0		0		0		0
GYSGT	6541			55		0		0		0		0		0
LCPL	6541			156		0		0		0		0		0
SGT	6541			68		0		0		0		0		0
SGT	6541	9954		1		0		0		0		0		0
SSGT	6541			60		0		0		0		0		0
SSGT	6541	9954		3		0		0		0		0		0
PVT	6541			1		0		0		0		0		0
USMC FLEET SUPPORT ACTIVITIES - AR														
CPL	6541			1		0		0		0		0		0
GYSGT	6541			3		0		0		0		0		0
SGT	6541			2		0		0		0		0		0
SSGT	6541			5		0		0		0		0		0
USMC FLEET SUPPORT ACTIVITIES - SMCR														
CPL	6541			16		0		0		0		0		0
GYSGT	6541			7		0		0		0		0		0
LCPL	6541			47		0		0		0		0		0
SGT	6541			10		0		0		0		0		0
SSGT	6541			8		0		0		0		0		0

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY00		FY01		FY02		FY03		FY04	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
SUMMARY TOTALS:													
NAVY OPERATIONAL ACTIVITIES - TAR													
		3		0		0		0		0		0	
NAVY OPERATIONAL ACTIVITIES - USMC													
		3		0		0		0		0		0	
USMC OPERATIONAL ACTIVITIES - ACDU													
		2		0		0		0		0		0	
USMC OPERATIONAL ACTIVITIES - USMC													
		469		0		0		0		0		0	
USMC OPERATIONAL ACTIVITIES - AR													
		11		0		0		0		0		0	
USMC OPERATIONAL ACTIVITIES - SMCR													
		36		0		0		0		0		0	
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
		707		0		5		20		0		0	
NAVY FLEET SUPPORT ACTIVITIES - TAR													
		14		3		2		0		0		0	
NAVY FLEET SUPPORT ACTIVITIES - SELRES													
		1		0		0		0		0		0	
USMC FLEET SUPPORT ACTIVITIES - USMC													
		407		0		0		0		0		0	
USMC FLEET SUPPORT ACTIVITIES - AR													
		11		0		0		0		0		0	
USMC FLEET SUPPORT ACTIVITIES - SMCR													
		88		0		0		0		0		0	

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY00		FY01		FY02		FY03		FY04	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
GRAND TOTALS:													
NAVY - ACDU			707		0		5		20		0		0
NAVY - TAR			17		3		2		0		0		0
NAVY - SELRES			1		0		0		0		0		0
NAVY - USMC			3		0		0		0		0		0
USMC - ACDU			2		0		0		0		0		0
USMC - USMC			876		0		0		0		0		0
USMC - AR			22		0		0		0		0		0
USMC - SMCR			124		0		0		0		0		0

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

SOURCE: Total Force Management System

DATE: 3/1/1999

ACTIVITY, UIC		PFYs	CFY00	FY01	FY02	FY03	FY04
FLEET SUPPORT ACTIVITIES - NAVY CV 64 USS Constellation	03364	0	0	0	1	0	0
TOTAL:		0	0	0	1	0	0

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
FLEET SUPPORT ACTIVITIES - NAVY					
CV 67 USS John F. Kennedy, 03367, FY01 Increment					
ACDU	0	1	AOAN	6802	
ACTIVITY TOTAL:	0	1			
CV 63 USS Kitty Hawk, 03363, FY02 Increment					
ACDU	0	2	AO1	6801	
ACTIVITY TOTAL:	0	2			
NATMSACT Kingsville, 49149, FY00 Increment					
ACDU	0	1	AO1	6801	
ACTIVITY TOTAL:	0	1			

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY00		FY01		FY02		FY03		FY04	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
AOC	6802		1		0		0		-1		0		0
AO1	6801		21		-1		0		-12		0		0
AO1	6802		2		0		0		-2		0		0
AO2	6801		1		0		0		-1		0		0
AO2	6802		1		0		0		-1		0		0
AOAN	6802		11		0		-1		-4		0		0

SUMMARY TOTALS:

NAVY FLEET SUPPORT ACTIVITIES - ACDU													
			37		-1		-1		-21		0		0

GRAND TOTALS:

NAVY - ACDU													
			37		-1		-1		-21		0		0

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

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

TRAINING ACTIVITY, LOCATION, UIC: MTU 4030 NAMTRAGRU DET, NS Mayport, 66069

INSTRUCTOR BILLETS

ACDU														
AO1	6801	9502	0	2	0	2	0	2	0	2	0	2	0	2
TOTAL:			0	2	0	2	0	2	0	2	0	2	0	2

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

INSTRUCTOR BILLETS

ACDU														
AOC	6801	9502	0	1	0	1	0	1	0	1	0	1	0	1
AOC	6802	9502	0	1	0	1	0	1	0	1	0	1	0	1
AO1	6801	9502	0	3	0	3	0	3	0	3	0	3	0	3
AO1	6802	9502	0	3	0	3	0	3	0	3	0	3	0	3
SELRES														
AO1	6802	9502	0	0	0	0	0	1	0	1	0	1	0	1
TOTAL:			0	8	0	8	0	9	0	9	0	9	0	9

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

INSTRUCTOR BILLETS

ACDU														
AOC	6801	9502	0	2	0	2	0	2	0	2	0	2	0	2
AOC	6802	9502	0	1	0	1	0	1	0	1	0	1	0	1
AO1	6802	9502	0	1	0	1	0	1	0	1	0	1	0	1
AO2	6801	9502	0	2	0	2	0	2	0	2	0	2	0	2
AO2	6802	9502	0	2	0	2	0	2	0	2	0	2	0	2
TOTAL:			0	8	0	8	0	8	0	8	0	8	0	8

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

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

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

INSTRUCTOR BILLETS

ACDU														
AOC	6801	9502	0	2	0	2	0	2	0	2	0	2	0	2
AO1	6801	9502	0	3	0	3	0	3	0	3	0	3	0	3
TOTAL:			0	5	0	5	0	5	0	5	0	5	0	5

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

INSTRUCTOR BILLETS

USMC														
GYSGT	6541		0	2	0	2	0	2	0	2	0	2	0	2
SGT	6541		0	19	0	19	0	19	0	19	0	19	0	19
SSGT	6541		0	2	0	2	0	2	0	2	0	2	0	2
TOTAL:			0	23	0	23	0	23	0	23	0	23	0	23

II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs		CFY00		FY01		FY02		FY03		FY04	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 4030 NAMTRAGRU DET, NS Mayport, 66069	NAVY		1.7	1.7		1.7		1.7		1.7		1.7	
MTU 4032 NAMTRAGRU DET, NAS Norfolk, 66046	NAVY		18.2	18.9		19.0		18.6		18.6		18.6	
VMAT 203 FREST, MCAS Cherry Point, 45483	USMC		50.2	50.2		50.2		50.2		50.2		50.2	
MTU 4033 NAMTRADRU DET, NAS North Island, 66065	NAVY		15.1	15.3		14.9		17.4		15.3		15.3	
MTU 4035 NAMTRAGRU DET, NAS Whidbey Island, 66058	NAVY		2.7	2.7		2.7		2.7		2.6		2.6	
SUMMARY TOTALS:													
	NAVY		37.7	38.6		38.3		40.4		38.2		38.2	
	USMC		50.2	50.2		50.2		50.2		50.2		50.2	
GRAND TOTALS:													
			87.9	88.8		88.5		90.6		88.4		88.4	

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY00 +/- CUM	FY01 +/- CUM	FY02 +/- CUM	FY03 +/- CUM	FY04 +/- CUM
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a. OFFICER - USN Not Applicable

b. ENLISTED - USN

Operational Billets ACDU and TAR

AO2	6802		3	0	3	0	3	0	3	0	3	0	3
AO3	6802		2	0	2	0	2	0	2	0	2	0	2

Fleet Support Billets ACDU and TAR

AOC	6801		15	0	15	0	15	0	15	0	15	0	15
AOC	6802		17	0	17	0	17	0	17	0	17	0	17
AOC	6802	8342	1	0	1	0	1	0	1	0	1	0	1
AOC	0812	6801	1	0	1	0	1	0	1	0	1	0	1
AOC	8345	6801	1	0	1	0	1	0	1	0	1	0	1
AO1	6801		173	-1	172	2	174	-2	172	0	172	0	172
AO1	6801	9502	2	0	2	0	2	0	2	0	2	0	2
AO1	6802		68	0	68	1	69	0	69	0	69	0	69
AO1	6802	6803	2	0	2	0	2	0	2	0	2	0	2
AO1	6803	6802	2	0	2	0	2	0	2	0	2	0	2
AO1	6810	6801	1	0	1	0	1	0	1	0	1	0	1
AO1	8342	6802	1	0	1	0	1	0	1	0	1	0	1
AO2	6801		59	0	59	0	59	0	59	0	59	0	59
AO2	6802		85	0	85	1	86	1	87	0	87	0	87
AO2	6803	6802	2	0	2	0	2	0	2	0	2	0	2
AO2	6810	6801	1	0	1	0	1	0	1	0	1	0	1
AO3	6801		46	0	46	0	46	0	46	0	46	0	46
AO3	6801	8842	1	0	1	0	1	0	1	0	1	0	1
AO3	6802		96	2	98	2	100	0	100	0	100	0	100
AO3	6802	9527	1	0	1	0	1	0	1	0	1	0	1
AOAN	6801		24	0	24	0	24	0	24	0	24	0	24
AOAN	6801	8845	2	0	2	0	2	0	2	0	2	0	2
AOAN	6802		120	1	121	0	121	0	121	0	121	0	121

Staff Billets ACDU and TAR

AOC	6801	9502	5	0	5	0	5	0	5	0	5	0	5
AOC	6802	9502	2	0	2	0	2	0	2	0	2	0	2
AO1	6801	9502	8	0	8	0	8	0	8	0	8	0	8
AO1	6802	9502	4	0	4	1	5	0	5	0	5	0	5
AO2	6801	9502	2	0	2	0	2	0	2	0	2	0	2
AO2	6802	9502	2	0	2	0	2	0	2	0	2	0	2

Chargeable Student Billets ACDU and TAR

			38	1	39	-1	38	3	41	-3	38	0	38
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II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

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

SELRES Billets

AOC	6801		1	0	1	0	1	0	1	0	1	0	1
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TOTAL USN ENLISTED BILLETS:

Operational			5	0	5	0	5	0	5	0	5	0	5
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Fleet Support			721	2	723	6	729	-1	728	0	728	0	728
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Staff			23	0	23	1	24	0	24	0	24	0	24
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Chargeable Student			38	1	39	-1	38	3	41	-3	38	0	38
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SELRES			1	0	1	0	1	0	1	0	1	0	1
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c. OFFICER - USMC Not Applicable

d. ENLISTED - USMC

Operational Billets USMC and AR

CPL	6541		147	0	147	0	147	0	147	0	147	0	147
GYSGT	6541		9	0	9	0	9	0	9	0	9	0	9
LCPL	6541		215	0	215	0	215	0	215	0	215	0	215
SGT	6541		86	0	86	0	86	0	86	0	86	0	86
SSGT	6541		26	0	26	0	26	0	26	0	26	0	26

Fleet Support Billets USMC and AR

CPL	6541		63	0	63	0	63	0	63	0	63	0	63
CPL	6541	9954	1	0	1	0	1	0	1	0	1	0	1
GYSGT	6541		58	0	58	0	58	0	58	0	58	0	58
LCPL	6541		156	0	156	0	156	0	156	0	156	0	156
SGT	6541		70	0	70	0	70	0	70	0	70	0	70
SGT	6541	9954	1	0	1	0	1	0	1	0	1	0	1
SSGT	6541		65	0	65	0	65	0	65	0	65	0	65
SSGT	6541	9954	3	0	3	0	3	0	3	0	3	0	3
PVT	6541		1	0	1	0	1	0	1	0	1	0	1

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY00		FY01		FY02		FY03		FY04	
				+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
Staff Billets USMC and AR													
GYSGT	6541		2	0	2	0	2	0	2	0	2	0	2
SGT	6541		19	0	19	0	19	0	19	0	19	0	19
SSGT	6541		2	0	2	0	2	0	2	0	2	0	2
Chargeable Student Billets USMC and AR													
			50	0	50	0	50	0	50	0	50	0	50
SMCR Billets													
CPL	6541		20	0	20	0	20	0	20	0	20	0	20
GYSGT	6541		11	0	11	0	11	0	11	0	11	0	11
LCPL	6541		73	0	73	0	73	0	73	0	73	0	73
SGT	6541		12	0	12	0	12	0	12	0	12	0	12
SSGT	6541		8	0	8	0	8	0	8	0	8	0	8
TOTAL USMC ENLISTED BILLETS:													
Operational			483	0	483	0	483	0	483	0	483	0	483
Fleet Support			418	0	418	0	418	0	418	0	418	0	418
Staff			23	0	23	0	23	0	23	0	23	0	23
Chargeable Student			50	0	50	0	50	0	50	0	50	0	50
SMCR			124	0	124	0	124	0	124	0	124	0	124

II.B. PERSONNEL REQUIREMENTS

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: D-646-7001, Strike Armament Intermediate Maintenance
COURSE LENGTH: 9.4 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% USMC: 0% **BACKOUT FACTOR:** 0.19

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY00		FY01		FY02		FY03		FY04	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 4032 NAMTRAGRU DET, NAS Norfolk												
	NAVY	ACDU		74		74		74		74		74
		TAR		6		6		4		4		4
		SELRES		0		0		0		0		0
		TOTAL:		80		80		78		78		78

CIN, COURSE TITLE: E-646-7001, Strike Armament Systems Intermediate Maintenance
COURSE LENGTH: 9.4 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% USMC: 0% **BACKOUT FACTOR:** 0.19

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY00		FY01		FY02		FY03		FY04	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 4033 NAMTRADRU DET, NAS North Island												
	NAVY	ACDU		71		69		77		72		72
		TAR		3		3		3		3		3
		TOTAL:		74		72		80		75		75

CIN, COURSE TITLE: D-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance
COURSE LENGTH: 6.2 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% USMC: 0% **BACKOUT FACTOR:** 0.12

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY00		FY01		FY02		FY03		FY04	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 4030 NAMTRAGRU DET, NS Mayport												
	NAVY	ACDU		15		15		15		15		15
MTU 4032 NAMTRAGRU DET, NAS Norfolk												
	NAVY	ACDU		48		49		48		48		48
		SELRES		0		0		0		0		0
		TOTAL:		63		64		63		63		63

CIN, COURSE TITLE: E-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance
COURSE LENGTH: 6.2 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% USMC: 0% **BACKOUT FACTOR:** 0.12

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY00		FY01		FY02		FY03		FY04	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 4033 NAMTRADRU DET, NAS North Island												
	NAVY	ACDU		25		24		35		24		24
		TAR		0		0		0		0		0
MTU 4035 NAMTRAGRU DET, NAS Whidbey Island												
	NAVY	ACDU		24		24		24		23		23
		TOTAL:		49		48		59		47		47

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

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

COURSE LENGTH: 11.4 Weeks

NAVY TOUR LENGTH: 36 Months

ATTRITION FACTOR: Navy: 0% USMC: 0%

BACKOUT FACTOR: 0.23

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY00		FY01		FY02		FY03		FY04	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
VMAT 203 FREST, MCAS	Cherry Point											
	USMC	USMC		226		226		226		226		226
		AR		6		6		6		6		6
		SMCR		12		12		12		12		12
		TOTAL:		244		244		244		244		244

PART III - TRAINING REQUIREMENTS

The following elements are not affected by the AIM-9X and, therefore, are not included in this NTSP.

III.A.2. Follow-on Training

III.A.2.b. Planned Courses

III.A.2.c. Unique Courses

III.A.3. Existing Training Phased Out

III.A. TRAINING COURSE REQUIREMENTS

III.A.1. INITIAL TRAINING REQUIREMENTS

COURSE TITLE: AIM-9X Theory of Operation and AIM-9X/F/A-18C/D Aircrew Procedures
COURSE DEVELOPER: RMS
INSTRUCTOR: Walter Murphy/Richard Garcia
COURSE LENGTH: Lecture 1 day/Practice (simulator) 2 days

LOCATION, UIC	DATE BEGIN	STUDENTS			ACTIVITY DESTINATION
		OFF	ENL	CIV	
Boeing St. Louis, MO, NA	15 Sep 98	11	0	4	Input (DT-IIB/C) NAWCWD,
		0.09	0	0.01	AOB AWL, and NAWCAD
		0.09	0	0.01	Chargeable
Boeing St. Louis, MO, NA	14 Jul 99	5	0	0	Input (OT-IIA) VX-9, 55646
		0.04	0	0	AOB
		0.04	0	0	Chargeable
VX-9, 55646	Jun 00	6	0	0	Input (CCRP) VX-9, 55646
		0.05	0	0	AOB
		0.05	0	0	Chargeable
VX-9, 55646	Sep 01	6	0	0	Input (OT-IIB) VX-9, 55646
		0.05	0	0	AOB
		0.05	0	0	Chargeable

COURSE TITLE: AIM-9X Loading on the F/A-18C/D Aircraft
COURSE DEVELOPER: RMS
INSTRUCTOR: Walter Murphy
COURSE LENGTH: 1 day

LOCATION, UIC	DATE BEGIN	STUDENTS			ACTIVITY DESTINATION
		OFF	ENL	CIV	
NAVWPNTSTRON CL, 39787	30 Jun 98	0	7	0	Input (DT-IIB/C) NAWCWD CL
		0	0.02	0	AOB and NAWCWD PM
		0	0.02	0	Chargeable
VX-9, 55646	8 Sep 99	0	12	0	Input (OT-IIA) VX-9, 55646
		0	0.03	0	AOB
		0	0.03	0	Chargeable
VX-9, 55646	Jun 00	0	12	0	Input (CCRP) VX-9, 55646
		0	0.03	0	AOB
		0	0.03	0	Chargeable
VX-9, 55646	Sep 01	0	12	0	Input (OT-IIB) VX-9, 55646
		0	0.03	0	AOB
		0	0.03	0	Chargeable

III.A.1. INITIAL TRAINING REQUIREMENTS

COURSE TITLE: AIM-9X/LAU-7D/A Release and Control Checks on the F/A-18C/D Aircraft
COURSE DEVELOPER: RMS
INSTRUCTOR: Walter Murphy
COURSE LENGTH: 1 day

LOCATION, UIC	DATE BEGIN	STUDENTS			ACTIVITY	DESTINATION
		OFF	ENL	CIV		
VX-9, 55646	Jun 00	0	12	0	Input	(CCRP) VX-9, 55646
		0	0.03	0	AOB	
		0	0.03	0	Chargeable	
VX-9, 55646	Sep 01	0	12	0	Input	(OT-IIB) VX-9, 55646
		0	0.03	0	AOB	
		0	0.03	0	Chargeable	

COURSE TITLE: AIM-9X Handling and Storage, Packaging and Storing, Inspections, & Corrosion Control
COURSE DEVELOPER: RMS
INSTRUCTOR: Walter Murphy
COURSE LENGTH: 1 day

LOCATION, UIC	DATE BEGIN	STUDENTS			ACTIVITY	DESTINATION
		OFF	ENL	CIV		
NAWS China Lake, 68937	9 Sep 99	0	0	4	Input	(OT-IIA) NAWS China Lake, 68937
		0	0	0.01	AOB	
		0	0	0.01	Chargeable	
VX-9, 55646	Jun 00	0	8	0	Input	(CCRP) VX-9, 55646
		0	0.02	0	AOB	
		0	0.02	0	Chargeable	
VX-9, 55646	Sep 01	0	8	0	Input	(OT-IIB) VX-9, 55646
		0	0.02	0	AOB	
		0	0.02	0	Chargeable	

COURSE TITLE: AIM-9X Off-Aircraft BIT and Reprogramming Procedures
COURSE DEVELOPER: RMS
INSTRUCTOR: Walter Murphy
COURSE LENGTH: 1 day

LOCATION, UIC	DATE BEGIN	STUDENTS			ACTIVITY	DESTINATION
		OFF	ENL	CIV		
VX-9, 55646	Jun 00	0	8	0	Input	(CCRP) VX-9, 55646
		0	0.02	0	AOB	
		0	0.02	0	Chargeable	
VX-9, 55646	Sep 01	0	8	0	Input	(OT-IIB) VX-9, 55646
		0	0.02	0	AOB	
		0	0.02	0	Chargeable	

III.A.1. INITIAL TRAINING REQUIREMENTS

COURSE TITLE: AIM-9X Aircrew Familiarization
COURSE DEVELOPER: NSAWC N7/NAWCWD AWL
INSTRUCTOR: NSAWC N7
COURSE LENGTH: 1 day

LOCATION, UIC	DATE BEGIN	STUDENTS			CIV	ACTIVITY DESTINATION
		OFF	ENL			
SFWSP, 35185	FY03	20	0	0	Input	SFWSP, 35185
		0.05	0	0	AOB	
		0.05	0	0	Chargeable	
SFWSL, 47084	FY03	20	0	0	Input	SFWSL, 47084
		0.05	0	0	AOB	
		0.05	0	0	Chargeable	
MAWTS-1, 55167	FY03	20	0	0	Input	MAWTS-1, 55167
		0.05	0	0	AOB	
		0.05	0	0	Chargeable	
VFA-125, 09485	FY03	20	0	0	Input	VFA-125, 09485
		0.05	0	0	AOB	
		0.05	0	0	Chargeable	
VFA-106, 09679	FY03	20	0	0	Input	VFA-106, 09679
		0.05	0	0	AOB	
		0.05	0	0	Chargeable	
VMFAT-101, 09965	FY03	20	0	0	Input	VMFAT-101, 09965
		0.05	0	0	AOB	
		0.05	0	0	Chargeable	

COURSE TITLE: AIM-9X Organizational Maintenance for the F/A-18C/D Aircraft
COURSE DEVELOPER: NAWCWD
INSTRUCTOR: TBD
COURSE LENGTH: 1 day

LOCATION, UIC	DATE BEGIN	STUDENTS			CIV	ACTIVITY DESTINATION
		OFF	ENL			
SFWSP, 35185	FY03	0	20	0	Input	SFWSP, 35185
		0	0.05	0	AOB	
		0	0.05	0	Chargeable	
SFWSL, 47084	FY03	0	20	0	Input	SFWSL, 47084
		0	0.05	0	AOB	
		0	0.05	0	Chargeable	
NATTC AO "A" School, 63082	FY03	0	20	0	Input	NATTC, 63082
		0	0.05	0	AOB	
		0	0.05	0	Chargeable	

III.A.1. INITIAL TRAINING REQUIREMENTS

COURSE TITLE: AIM-9X Intermediate Maintenance
COURSE DEVELOPER: NAWCWD
INSTRUCTOR: TBD
COURSE LENGTH: 2 days

LOCATION, UIC	DATE BEGIN	STUDENTS			CIV	ACTIVITY DESTINATION
		OFF	ENL			
MTU 4030, 66069	FY03	0	5	0	Input	MTU 4030, 66069
		0	0.01	0	AOB	
		0	0.01	0	Chargeable	
MTU 4032, 66046	FY03	0	5	0	Input	MTU 4032, 66046
		0	0.01	0	AOB	
		0	0.01	0	Chargeable	
MTU 4033, 66065	FY03	0	5	0	Input	MTU 4033, 66065
		0	0.01	0	AOB	
		0	0.01	0	Chargeable	
MTU 4034, VMAT-203 FREST, 66047	FY03	0	5	0	Input	MTU 4034, VMAT-203 FREST, 66047
		0	0.01	0	AOB	
		0	0.01	0	Chargeable	
MTU 4035, 66058	FY03	0	5	0	Input	MTU 4035, 66058
		0	0.01	0	AOB	
		0	0.01	0	Chargeable	
NATTC AO "A" School, 63082	FY03	0	5	0	Input	NATTC AO "A" School, 63082
		0	0.01	0	AOB	
		0	0.01	0	Chargeable	
NAWMU-1, 52821	FY03	0	20	0	Input	NAWMU-1, 52821
		0	0.05	0	AOB	
		0	0.05	0	Chargeable	
CV/CVN TBD (West Coast)	FY03	0	20	0	Input	CV/CVN TBD (West Coast)
		0	0.05	0	AOB	
		0	0.05	0	Chargeable	
CV/CVN TBD (East Coast)	FY03	0	20	0	Input	CV/CVN TBD (East Coast)
		0	0.05	0	AOB	
		0	0.05	0	Chargeable	

NOTE: Updated information on initial training will be incorporated into this NTSP as it becomes available.

III.A.2. FOLLOW-ON TRAINING

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-646-7001, Strike Armament Intermediate Maintenance
TRAINING ACTIVITY: MTU 4032 NAMTRAGRU DET
LOCATION, UIC: NAS Norfolk, 66046

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

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	80		80		78		78		78	ATIR
	72		72		70		70		70	Output
	13.5		13.5		13.2		13.2		13.2	AOB
	13.5		13.5		13.2		13.2		13.2	Chargeable

CIN, COURSE TITLE: E-646-7001, Strike Armament Systems Intermediate Maintenance
TRAINING ACTIVITY: MTU 4033 NAMTRADRU DET
LOCATION, UIC: NAS North Island, 66065

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

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	74		72		80		75		75	ATIR
	67		65		72		67		67	Output
	12.5		12.2		13.5		12.7		12.7	AOB
	12.5		12.2		13.5		12.7		12.7	Chargeable

CIN, COURSE TITLE: D-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance
TRAINING ACTIVITY: MTU 4030 NAMTRAGRU DET
LOCATION, UIC: NS Mayport, 66069

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

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	15		15		15		15		15	ATIR
	14		14		14		14		14	Output
	1.7		1.7		1.7		1.7		1.7	AOB
	1.7		1.7		1.7		1.7		1.7	Chargeable

III.A.2.a. EXISTING COURSES

TRAINING ACTIVITY: MTU 4032 NAMTRAGRU DET

LOCATION, UIC: NAS Norfolk, 66046

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

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	48		49		48		48		48	ATIR
	43		44		43		43		43	Output
	5.4		5.5		5.4		5.4		5.4	AOB
	5.4		5.5		5.4		5.4		5.4	Chargeable

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

TRAINING ACTIVITY: MTU 4033 NAMTRADRU DET

LOCATION, UIC: NAS North Island, 66065

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

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	25		24		35		24		24	ATIR
	23		22		32		22		22	Output
	2.8		2.7		3.9		2.6		2.6	AOB
	2.8		2.7		3.9		2.6		2.6	Chargeable

TRAINING ACTIVITY: MTU 4035 NAMTRAGRU DET

LOCATION, UIC: NAS Whidbey Island, 66058

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

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	24		24		24		23		23	ATIR
	22		22		22		21		21	Output
	2.7		2.7		2.7		2.6		2.6	AOB
	2.7		2.7		2.7		2.6		2.6	Chargeable

III.A.2.a. EXISTING COURSES

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

SOURCE: USMC **STUDENT CATEGORY:** USMC - AR

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	232		232		232		232		232	ATIR
	232		232		232		232		232	Output
	50.2		50.2		50.2		50.2		50.2	AOB
	50.2		50.2		50.2		50.2		50.2	Chargeable

SOURCE: USMC **STUDENT CATEGORY:** SMCR

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	12		12		12		12		12	ATIR
	12		12		12		12		12	Output
	2.6		2.6		2.6		2.6		2.6	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

The following elements are not affected by the AIM-9X and, therefore, are not included in this NTSP.

IV.C. Facility Requirements

IV.A. TRAINING HARDWARE

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

TRAINING ACTIVITY: NATTC, AO "A" School
LOCATION, UIC: NAS Pensacola, 63082
CIN, COURSE TITLE: C-646-2011A, Aviation Ordnanceman Common Core Class A1
 C-646-2012A, Aviation Ordnanceman Navy Difference Training Strand Class A1

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
001	CNU-609/E	TBD	1	FY03	GFE	On Contract ¹
002	LAU-7D/A	NA	1	FY03	GFE	Pending ECP
003	AN/AWM-100 P/N 74D750051-1007	NA	1	FY03	GFE	Pending ECP

TRAINING ACTIVITY: MTU 4030 NAMTRAGRUDET
LOCATION, UIC: NS Mayport, 66069
CIN, COURSE TITLE: D-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
001	CNU-609/E	TBD	1	FY03	GFE	On Contract ¹
005	AIM-9X CMBRE TPS P/N 15090 2215702-1	TBD	1	FY03	GFE	On Contract ¹
N88-NTSP-A-50-9104-TTE-002	AN/GYQ-79	NA	1	FY03	GFE	On Contract
N88-NTSP-A-50-9104-TTE-003	Pacific™ 315-ASX	NA	1	FY03	GFE	On Contract

¹ Dependent upon exercise of LRIP options and award of Production Contract.

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

TRAINING ACTIVITY: MTU 4032 NAMTRAGRUDET
LOCATION, UIC: NAS Norfolk, 66046
CIN, COURSE TITLE: D-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
001	CNU-609/E	TBD	1	FY03	GFE	On Contract ¹
002	LAU-7D/A	NA	1	FY03	GFE	Pending ECP
003	AN/AWM-100	NA	1	FY03	GFE	Pending ECP
004	P/N 74D750051-1007 CRALTS (LAU-7D/A compatible)	NA	1	FY03	GFE	Pending ECP
005	AIM-9X CMBRE TPS	TBD	1	FY03	GFE	On Contract ¹
	P/N 15090 2215702-1					
N88-NTSP-A-50-9104-TTE-002	AN/GYQ-79	NA	1	FY03	GFE	On Contract
N88-NTSP-A-50-9104-TTE-003	Pacific™ 315-ASX	NA	1	FY03	GFE	On Contract

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

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
001	CNU-609/E	TBD	1	FY03	GFE	On Contract ¹
002	LAU-7D/A	NA	1	FY03	GFE	Pending ECP
003	AN/AWM-100	NA	1	FY03	GFE	Pending ECP
004	P/N 74D750051-1007 CRALTS (LAU-7D/A compatible)	NA	1	FY03	GFE	Pending ECP
005	AIM-9X CMBRE TPS	TBD	1	FY03	GFE	On Contract ¹
	P/N 15090 2215702-1					
N88-NTSP-A-50-9104-TTE-002	AN/GYQ-79	NA	1	FY03	GFE	On Contract
N88-NTSP-A-50-9104-TTE-003	Pacific™ 315-ASX	NA	1	FY03	GFE	On Contract

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

TRAINING ACTIVITY: MTU 4034 VMAT-203 FREST
LOCATION, UIC: MCAS Cherry Point, 66047
CIN, COURSE TITLE: M-646-7026, Aircraft Ordnance Intermediate Maintenance

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
001	CNU-609/E	TBD	1	FY03	GFE	On Contract ¹
002	LAU-7D/A	NA	1	FY03	GFE	Pending ECP
003	AN/AWM-100 P/N 74D750051-1007	NA	1	FY03	GFE	Pending ECP
004	CRALTS (LAU-7D/A compatible)	NA	1	FY03	GFE	Pending ECP
005	AIM-9X CMBRE TPS P/N 15090 2215702-1	TBD	1	FY03	GFE	On Contract ¹
N88-NTSP-A-50-9104-TTE-002	AN/GYQ-79	NA	1	FY03	GFE	On Contract
N88-NTSP-A-50-9104-TTE-003	Pacific™ 315-ASX	NA	1	FY03	GFE	On Contract

TRAINING ACTIVITY: MTU 4035 NAMTRAGRUDET
LOCATION, UIC: NAS Whidbey Island, 66058
CIN, COURSE TITLE: E-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
001	CNU-609/E	TBD	1	FY03	GFE	On Contract ¹
005	AIM-9X CMBRE TPS P/N 15090 2215702-1	TBD	1	FY03	GFE	On Contract ¹
N88-NTSP-A-50-9104-TTE-002	AN/GYQ-79	NA	1	FY03	GFE	On Contract
N88-NTSP-A-50-9104-TTE-003	Pacific™ 315-ASX	NA	1	FY03	GFE	On Contract

IV.A.2. TRAINING DEVICES

DEVICE: Captive Air Training Missile, CATM-9X

DESCRIPTION OF DEVICE: The CATM is a captive flight training missile permitting realistic exercise of the AIM-9X seeker. Airborne operation of the CATM provides the operator all interaction between aircraft and missile without expending the missile.

MANUFACTURER: RMS (contingent upon exercise of LRIP options Lots I, II, and III and additional Full-Rate Production contract award)

CONTRACT NUMBER: N00019-97-C-0027 (contingent upon exercise of LRIP options Lots I, II, and III and additional Full-Rate Production contract award)

TEE STATUS: NA

TRAINING ACTIVITY LOCATION, UIC	QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
VFA-106 NAS Oceana, 09679	20	FY02	FY03	On contract ¹	D-2A-0601 D-2A-0602 D-2A-0604 D-2A-0606
VFA-125 NAS Lemoore, 09485	20	FY02	FY03	On contract ¹	E-2A-0601 E-2A-0602 E-2A-0604 E-2A-0606
VMFAT-101 MCAS Miramar, 09965	20	FY02	FY03	On contract ¹	M13P4B3 M13P3V3 M13P3W3 M13P4C3 M13P3R3 M13P3S3
SFWS Atlantic NAS Oceana, 40784	10	FY02	FY03	On contract ¹	SFARP SFWE D-646-0640 D-646-0647
SFWS Pacific NAS Lemoore, 35185	10	FY02	FY03	On contract ¹	SFARP SFWE E-646-0640 E-646-0647
Naval Strike and Air Warfare Center N7 (Topgun) NAS Fallon, 69190	10	FY02	FY03	On contract ¹	SFTP SFTI
MAWTS 1, MCAS Yuma, 55167	10	FY02	FY03	On contract ¹	ACTI/ACMI/ DEFTACI/WTI
VFA-22, NAS Lemoore, 09561	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-25, NAS Lemoore, 09637	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-94, NAS Lemoore, 09295	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-97, NAS Lemoore, 63923	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-113, NAS Lemoore, 09092	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-115, NAS Lemoore, 09604	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-137, NAS Lemoore, 55142	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-146, NAS Lemoore, 09063	10	FY03	FY03	On contract ¹	T&R/SFTP

IV.A.2. TRAINING DEVICES

DEVICE: Captive Air Training Missile, CATM-9X

DESCRIPTION OF DEVICE: The CATM is a captive flight training missile permitting realistic exercise of the AIM-9X seeker. Airborne operation of the CATM provides the operator all interaction between aircraft and missile without expending the missile.

MANUFACTURER: RMS (contingent upon exercise of LRIP options Lots I, II, and III and additional Full-Rate Production contract award)

CONTRACT NUMBER: N00019-97-C-0027 (contingent upon exercise of LRIP options Lots I, II, and III and additional Full-Rate Production contract award)

TEE STATUS: NA

TRAINING ACTIVITY LOCATION, UIC	QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
VFA-147, NAS Lemoore, 63925	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-151, NAS Lemoore, 09558	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-27, NAS Yokosuka, 65185	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-154, NAS Yokosuka, 09678	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-192, NAS Yokosuka, 55179	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-195, NAS Yokosuka, 09706	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-127, NAS Fallon, 08956	10	FY03	FY03	On contract ¹	T&R/SFTP
VFC-13 (TAR), NAS Fallon, 52995	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-15, MCAS Beaufort, 09015	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-34, NAS Oceana, 09070	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-37, NAS Oceana, 09478	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-81, NAS Oceana, 09221	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-82, NAS Oceana, 09122	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-83, NAS Oceana, 09223	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-86, NAS Oceana, 09943	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-87, MCAS Beaufort, 63922	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-105, NAS Oceana, 65183	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-131, NAS Oceana, 63934	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-136, NAS Oceana, 55141	10	FY03	FY03	On contract ¹	T&R/SFTP
VFC-12 (TAR), NAS Oceana, 52994	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-203 (TAR), NAS Atlanta, 09030	10	FY03	FY03	On contract ¹	T&R/SFTP
VFA-204 (TAR), NAS JRB New Orleans, 09032	10	FY03	FY03	On contract ¹	T&R/SFTP
VX-1, NAS Patuxent River, 55600	10	FY02	FY03	On contract ¹	T&R/SFTP
VX-9, NAWCWD China Lake, 55646	10	FY02	FY03	On contract ¹	T&R/SFTP
VX-9 Det, NAWCWD Point Mugu, 09830	10	FY02	FY03	On contract ¹	T&R/SFTP
NAVWPNTSTRON China Lake, 39787	10	FY02	FY03	On contract ¹	T&R/SFTP
NAVWPNTSTRON Point Mugu, 39788	10	FY02	FY03	On contract ¹	T&R/SFTP
NAVSTKAIRSTRON, NAS Patuxent River, 39783	10	FY02	FY03	On contract ¹	T&R/SFTP
A-115, MCAS BeVMFaufort, 09234	10	FY03	FY03	On contract ¹	T&R

IV.A.2. TRAINING DEVICES

DEVICE: Captive Air Training Missile, CATM-9X

DESCRIPTION OF DEVICE: The CATM is a captive flight training missile permitting realistic exercise of the AIM-9X seeker. Airborne operation of the CATM provides the operator all interaction between aircraft and missile without expending the missile.

MANUFACTURER: RMS (contingent upon exercise of LRIP options Lots I, II, and III and additional Full-Rate Production contract award)

CONTRACT NUMBER: N00019-97-C-0027 (contingent upon exercise of LRIP options Lots I, II, and III and additional Full-Rate Production contract award)

TEE STATUS: NA

TRAINING ACTIVITY LOCATION, UIC	QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
VMFA-122, MCAS Beaufort, 09407	10	FY03	FY03	On contract ¹	T&R
VMFA-251, MCAS Beaufort, 09241	10	FY03	FY03	On contract ¹	T&R
VMFA-312, MCAS Beaufort, 09253	10	FY03	FY03	On contract ¹	T&R
VMFAAW-224, MCAS Beaufort, 01224	10	FY03	FY03	On contract ¹	T&R
VMFAAW-332, MCAS Beaufort, 09501	10	FY03	FY03	On contract ¹	T&R
VMFAAW-533, MCAS Beaufort, 09193	10	FY03	FY03	On contract ¹	T&R
VMFA-212, MCAS Miramar, 09434	10	FY03	FY03	On contract ¹	T&R
VMFA-232, MCAS Miramar, 09242	10	FY03	FY03	On contract ¹	T&R
VMFA-235, , MCAS Miramar, 09237	10	FY03	FY03	On contract ¹	T&R
VMFA-314, MCAS Miramar, 09230	10	FY03	FY03	On contract ¹	T&R
VMFA-323, MCAS Miramar, 09235	10	FY03	FY03	On contract ¹	T&R
VMFAAW-121, MCAS Miramar,	10	FY03	FY03	On contract ¹	T&R
VMFAAW-225, MCAS Miramar, 09232	10	FY03	FY03	On contract ¹	T&R
VMFA-112 (AR), 08954	10	FY03	FY03	On contract ¹	T&R
VMFA-134 (AR), 09365	10	FY03	FY03	On contract ¹	T&R
VMFA-142 (AR), 67243	10	FY03	FY03	On contract ¹	T&R
VMFA-321 (AR), 67235	10	FY03	FY03	On contract ¹	T&R
TOTAL: (86% Asset Readiness)	640				

IV.A.2. TRAINING DEVICES

DEVICE: Dummy Air Training Missile, DATM-9X

DESCRIPTION OF DEVICE: The DATM is physically representative of the AIM-9X. 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: RMS (contingent upon exercise of LRIP options Lots I, II, and III and additional Full-Rate Production contract award)

CONTRACT NUMBER: N00019-97-C-0027 (contingent upon exercise of LRIP options Lots I, II, and III and additional Full-Rate Production contract award)

TEE STATUS: NA

TRAINING ACTIVITY LOCATION, UIC	QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
MTU 4030, NAMTRAGRUDET NAS Mayport, 66069	2	FY02	FY03	On contract ¹	C-122-3111
MTU 4032, NAMTRAGRUDET NAS Norfolk, 66046	2	FY02	FY03	On contract ¹	C-122-3111
MTU 4033, NAMTRAGRUDET NAS North Island, 66065	2	FY02	FY03	On contract ¹	C-122-3111
MTU 4034, VMAT-203, FREST MCAS Cherry Point, 45483	2	FY02	FY03	On contract ¹	C-646-3105
MTU 4035, NAMTRAGRUDET NAS Whidbey Island, 66058	2	FY02	FY03	On contract ¹	C-122-3111
NATTC, AO A1 School NAS Pensacola, 63082	2	FY02	FY03	On contract ¹	C-646-2011A C-646-2012A
NAF Washington Andrews AFB, Maryland, 00166	2	FY03	FY03	On contract ¹	F/A-18 Conventional Weapons Loading
NAS Atlanta Marietta, Georgia, 00196	2	FY03	FY03	On contract ¹	F/A-18 Conventional Weapons Loading
NAS/Joint Reserve Base (JRB) New Orleans New Orleans, Louisiana, 00206	2	FY03	FY03	On contract ¹	F/A-18 Conventional Weapons Loading
NAS/JRB Fort Worth Fort Worth, Texas, 00215	2	FY03	FY03	On contract ¹	F/A-18 Conventional Weapons Loading
TOTAL:	20				

IV.A.2. TRAINING DEVICES

DEVICE: Practical Explosive Ordnance Disposal System Trainer (PEST)

DESCRIPTION OF DEVICE: The AIM-9X 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 Rendering Safe Procedures.

MANUFACTURER: RMS (contingent upon exercise of LRIP option Lot I)

CONTRACT NUMBER: N00019-97-C-0027 (contingent upon exercise of LRIP option Lot I)

TEE STATUS: NA

TRAINING ACTIVITY LOCATION, UIC	QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
NAVSCOLEOD Eglin AFB, 62640	4	FY02	FY03	On contract ¹	A-431-0011 A-431-0012
EODTEU ONE San Diego, 30202	1	FY02	FY03	On contract ¹	G-431-0001
EODTEU TWO Fort Story, 43505	1	FY02	FY03	On contract ¹	G-431-0001

DEVICE: Classroom Explosive Ordnance Disposal System Trainer (CEST)

DESCRIPTION OF DEVICE: The AIM-9X CEST is a full-scale, inert replica of the tactical AIM-9X with cut-away areas exposing the explosive train components. The CEST is used by EOD instructors to teach EOD personnel missile Rendering Safe Procedures.

MANUFACTURER: RMS (contingent upon exercise of LRIP option Lot I)

CONTRACT NUMBER: N00019-97-C-0027 (contingent upon exercise of LRIP option Lot I)

TEE STATUS: NA

TRAINING ACTIVITY LOCATION, UIC	QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
NAVSCOLEOD Eglin AFB, 62640	1	FY02	FY03	On contract ¹	A-431-0011 A-431-0012

IV.B. COURSEWARE REQUIREMENTS

IV.B.1 TRAINING SERVICES

COURSE/TYPE OF TRAINING	SCHOOL/LOCATION/UIC	NO. OF PERSONNEL	MAN WEEKS REQUIRED	BEGIN DATE
AIM-9X Aircrew Familiarization/ Initial (Instructor)	SFWSP/NAS Lemoore/35185	2	0.4	FY03
	VFA-125/NAS Lemoore/09485	2	0.4	FY03
	SFWSP/NAS Oceana/47084	2	0.4	FY03
	VFA-106/NAS Oceana/09679	2	0.4	FY03
AIM-9X Organizational Maintenance for the F/A-18C/D/ Initial (Instructor)	SFWSP/NAS Lemoore/35185	2	0.4	FY03
	SFWSP/NAS Oceana/47084	2	0.4	FY03
	AO A1/NAS Pensacola/63082	2	0.4	FY03
AIM-9X Intermediate Maintenance/ Initial (Instructor)	MTU 4030/NS Mayport/66069	2	0.8	FY03
	MTU 4032/NAS Norfolk/66046	2	0.8	FY03
	MTU 4033/NAS North Island/66065	2	0.8	FY03
	MTU 4034 VMAT 203 FREST/ MCAS Cherry Point/45483	2	0.8	FY03
	MTU 4035/NAS Whidbey Island/ 66065	2	0.8	FY03
	AO A1/NAS Pensacola/63082	2	0.8	FY03

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: VFA-106
LOCATION, UIC: NAS Oceana, 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

	QUANT REQD	DATE REQD	STATUS
TYPE OF MATERIAL OR AID SFTS AIM-9X ICW	1 Set	FY03	In Development

TRAINING ACTIVITY: VFA-125
LOCATION, UIC: NAS Lemoore, 09485
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

	QUANT REQD	DATE REQD	STATUS
TYPE OF MATERIAL OR AID SFTS AIM-9X ICW	1 Set	FY03	In Development

TRAINING ACTIVITY: VMFAT-101
LOCATION, UIC: MCAS Miramar, 45526
CIN, COURSE TITLE: M13P4B3, F/A-18 Fleet Replacement Pilot Basic and Transition
 M13P3V3, F/A-18 Fleet Replacement Pilot Refresher
 M13P3W3, F/A-18 Fleet Replacement Pilot Modified Refresher
 M13P4C3, F/A-18 WSO Basic and Transition
 M13P3R3, F/A-18 WSO Refresher
 M13P3S3, F/A-18 WSO Modified Refresher

	QUANT REQD	DATE REQD	STATUS
TYPE OF MATERIAL OR AID SFTS AIM-9X ICW	1 Set	FY03	In Development

TRAINING ACTIVITY: Strike Fighter Weapons School Atlantic
LOCATION, UIC: NAS Oceana, 40784
CIN, COURSE TITLE: Strike Fighter Advanced Readiness Program (SFARP)
 Strike Fighter Weapons Employment (SFWE)

	QUANT REQD	DATE REQD	STATUS
TYPE OF MATERIAL OR AID SFTS AIM-9X ICW	1 Set	FY03	In Development

TRAINING ACTIVITY: Strike Fighter Weapons School Pacific
LOCATION, UIC: NAS Lemoore, 35185
CIN, COURSE TITLE: Strike Fighter Advanced Readiness Program (SFARP)
 Strike Fighter Weapons Employment (SFWE)

	QUANT REQD	DATE REQD	STATUS
TYPE OF MATERIAL OR AID SFTS AIM-9X ICW	1 Set	FY03	In Development

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: Naval Strike and Air Warfare Center N7 (Topgun)
LOCATION, UIC: NAS Fallon, 69190
CIN, COURSE TITLE: Strike Fighter Training Program (SFTP)
 Strike Fighter Tactics Instructor (SFTI)
 Strike Fighter Weapons and Tactics (SFWT)

TYPE OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
SFTS AIM-9X ICW	1 Set	FY03	In Development

TRAINING ACTIVITY: MAWTS 1
LOCATION, UIC: MCAS Yuma, 55167
CIN, COURSE TITLE: Air Combat Maneuvering Instructor (ACMI)
 Air Combat Tactics Instructor (ACTI)
 Defensive Tactics Instructor (DEFTACI)
 Weapons and Tactics Instructor (WTI)

TYPE OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
SFTS AIM-9X ICW	1 Set	FY03	In Development

TRAINING ACTIVITY: F/A-18 Squadrons
LOCATION, UIC: See Below

CIN, COURSE TITLE: SFTP and Training & Readiness (T&R)

TYPES OF MATERIAL OR AID:	QUANT REQD	DATE REQD	STATUS
SFTS AIM-9X ICW			
VFA-22, NAS Lemoore, 09561	1 Set	FY03	In Development
VFA-25, NAS Lemoore, 09637	1 Set	FY03	In Development
VFA-94, NAS Lemoore, 09295	1 Set	FY03	In Development
VFA-97, NAS Lemoore, 63923	1 Set	FY03	In Development
VFA-113, NAS Lemoore, 09092	1 Set	FY03	In Development
VFA-115, NAS Lemoore, 09604	1 Set	FY03	In Development
VFA-137, NAS Lemoore, 55142	1 Set	FY03	In Development
VFA-146, NAS Lemoore, 09063	1 Set	FY03	In Development
VFA-147, NAS Lemoore, 63925	1 Set	FY03	In Development
VFA-151, NAS Lemoore, 09558	1 Set	FY03	In Development
VFA-27, NAS Yokosuka, 65185	1 Set	FY03	In Development
VFA-154, NAS Yokosuka, 09678	1 Set	FY03	In Development
VFA-192, NAS Yokosuka, 55179	1 Set	FY03	In Development
VFA-195, NAS Yokosuka, 09706	1 Set	FY03	In Development
VFA-127, NAS Fallon, 08956	1 Set	FY03	In Development
VFC-13 (TAR), NAS Fallon, 52995	1 Set	FY03	In Development
VFA-15, MCAS Beaufort, 09015	1 Set	FY03	In Development
VFA-34, NAS Oceana, 09070	1 Set	FY03	In Development

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: F/A-18 Squadrons

LOCATION, UIC: See Below

CIN, COURSE TITLE: SFTP and Training & Readiness (T&R)

TYPES OF MATERIAL OR AID:	QUANT REQD	DATE REQD	STATUS
SFTS AIM-9X ICW			
VFA-37, NAS Oceana, 09478	1 Set	FY03	In Development
VFA-81, NAS Oceana, 09221	1 Set	FY03	In Development
VFA-82, NAS Oceana, 09122	1 Set	FY03	In Development
VFA-83, NAS Oceana, 09223	1 Set	FY03	In Development
VFA-86, NAS Oceana, 09943	1 Set	FY03	In Development
VFA-87, MCAS Beaufort, 63922	1 Set	FY03	In Development
VFA-105, NAS Oceana, 65183	1 Set	FY03	In Development
VFA-131, NAS Oceana, 63934	1 Set	FY03	In Development
VFA-136, NAS Oceana, 55141	1 Set	FY03	In Development
VFC-12 (TAR), NAS Oceana, 52994	1 Set	FY03	In Development
VFA-203 (TAR), NAS Atlanta, 09030	1 Set	FY03	In Development
VFA-204 (TAR), NAS JRB New Orleans, 09032	1 Set	FY03	In Development
VX-1, NAS Patuxent River, 55600	1 Set	FY03	In Development
VX-9, NAWCWD China Lake, 55646	1 Set	FY03	In Development
VX-9 Det, NAWCWD Point Mugu, 09830	1 Set	FY03	In Development

TRAINING ACTIVITY: F/A-18 Squadrons

LOCATION, UIC: See Below

CIN, COURSE TITLE: Squadron Training (T&R)

TYPES OF MATERIAL OR AID:	QUANT REQD	DATE REQD	STATUS
SFTS AIM-9X ICW			
VMFA-115, MCAS Beaufort, 09234	1 Set	FY03	In Development
VMFA-122, MCAS Beaufort, 09407	1 Set	FY03	In Development
VMFA-251, MCAS Beaufort, 09241	1 Set	FY03	In Development
VMFA-312, MCAS Beaufort, 09253	1 Set	FY03	In Development
VMFAAW-224, MCAS Beaufort, 01224	1 Set	FY03	In Development
VMFAAW-332, MCAS Beaufort, 09501	1 Set	FY03	In Development
VMFAAW-533, MCAS Beaufort, 09193	1 Set	FY03	In Development
VMFA-212, MCAS Miramar, 09434	1 Set	FY03	In Development
VMFA-232, MCAS Miramar, 09242	1 Set	FY03	In Development
VMFA-235, , MCAS Miramar, 09237	1 Set	FY03	In Development
VMFA-314, MCAS Miramar, 09230	1 Set	FY03	In Development
VMFA-323, MCAS Miramar, 09235	1 Set	FY03	In Development
VMFAAW-121, MCAS Miramar,	1 Set	FY03	In Development

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: F/A-18 Squadrons
LOCATION, UIC: See Below

CIN, COURSE TITLE: Squadron Training (T&R)

TYPES OF MATERIAL OR AID:	QUANT REQD	DATE REQD	STATUS
SFTS AIM-9X ICW			
VMFAAW-225, MCAS Miramar, 09232	1 Set	FY03	In Development
VMFA-112 (AR), 08954	1 Set	FY03	In Development
VMFA-134 (AR), 09365	1 Set	FY03	In Development
VMFA-142 (AR), 67243	1 Set	FY03	In Development
VMFA-321 (AR), 67235	1 Set	FY03	In Development

TRAINING ACTIVITY: NATTC, AO "A" School
LOCATION, UIC: NAS Pensacola, 63082
CIN, COURSE TITLE: C-646-2011A, Aviation Ordnance Common Core Class A1
 C-646-2012A, Aviation Ordnanceman Navy Difference Training Strand

TYPE OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
AIM-9X Training Package	1 Set	FY03	In Development

TRAINING ACTIVITY: SFWS Atlantic
LOCATION, UIC: NAS Oceana, 47084
CIN, COURSE TITLE: D-646-0640, F/A-18 Conventional Weapons Loading
 D-646-0647, F/A-18 Conventional Release System Test

TYPE OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
AIM-9X Training Package	1 Set	FY03	In Development

TRAINING ACTIVITY: SFWS Pacific
LOCATION, UIC: NAS Lemoore, 35185
CIN, COURSE TITLE: E-646-0640, F/A-18 Conventional Weapons Loading
 E-646-0647, F/A-18 Conventional Release System Test

TYPE OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
AIM-9X Training Package	1 Set	FY03	In Development

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

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

TYPE OF MATERIAL OR AID	QUANT	DATE	STATUS
	REQD	REQD	
AIM-9X Training Package	1 Set	FY03	In Development
AIM-9X CMBRE Embedded Training PC Cards	1 Set	FY02	On Contract

TRAINING ACTIVITY: MTU 4032 NAMTRAGRUDET
LOCATION, UIC: NAS Norfolk, 66046
CIN, COURSE TITLE: C-122-3111A, Air Launched Guided Missiles Intermediate Maintenance
 C-646-3118, Strike Armament Systems Intermediate Maintenance

TYPE OF MATERIAL OR AID	QUANT	DATE	STATUS
	REQD	REQD	
AIM-9X Training Package	1 Set	FY03	In Development
AIM-9X CMBRE Embedded Training PC Cards	1 Set	FY02	On Contract

TRAINING ACTIVITY: MTU 4033 NAMTRAGRUDET
LOCATION, UIC: NAS North Island, 66065
CIN, COURSE TITLE: C-122-3111A, Air Launched Guided Missiles Intermediate Maintenance
 C-646-3118, Strike Armament Systems Intermediate Maintenance

TYPE OF MATERIAL OR AID	QUANT	DATE	STATUS
	REQD	REQD	
AIM-9X Training Package	1 Set	FY03	In Development
AIM-9X CMBRE Embedded Training PC Cards	1 Set	FY02	On Contract

TRAINING ACTIVITY: MTU 4034 VMAT-203 FREST
LOCATION, UIC: MCAS Cherry Point, 45483
CIN, COURSE TITLE: C-646-3105, Aviation Ordnance Intermediate Maintenance Technician

TYPE OF MATERIAL OR AID	QUANT	DATE	STATUS
	REQD	REQD	
AIM-9X Training Package	1 Set	FY03	In Development
AIM-9X CMBRE Embedded Training PC Cards	1 Set	FY02	On Contract

TRAINING ACTIVITY: MTU 4035 NAMTRAGRUDET
LOCATION, UIC: NAS Whidbey Island, 66058
CIN, COURSE TITLE: C-122-3111A, Air Launched Guided Missiles Intermediate Maintenance

TYPE OF MATERIAL OR AID	QUANT	DATE	STATUS
	REQD	REQD	
AIM-9X Training Package	1 Set	FY03	In Development
AIM-9X CMBRE Embedded Training PC Cards	1 Set	FY02	On Contract

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: NAVSCOLEOD
LOCATION, UIC: Eglin AFB, 62640
CIN, COURSE TITLE: A-431-0011, EOD Phase II (Navy)
 A-431-0012, EOD Phase II

TYPE OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
AIM-9X Source Data	1 Set	FY03	In Development

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

TYPE OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
AIM-9X Source Data	1 Set	FY03	In Development

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

TYPE OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
AIM-9X Source Data	1 Set	FY03	In Development

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: VFA-106
LOCATION, UIC: NAS Oceana, 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

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
NATOPS Flight Manual Navy Model F/A-18A/B/C/D, A1-F18AC-NFM-000	Digital or Hard copy	6	FY03	Update in process
NATOPS Pocket Checklist, A1-F18AC-NFM-500	Digital or Hard copy	6	FY03	Update in process
Tactical Manual, A1-F18AC-TAC-000	Digital or Hard copy	6	FY03	Update in process
Tactical Manual Pocket Guide, A1-F18AC-TAC-300	Digital or Hard copy	6	FY03	Update in process

TRAINING ACTIVITY: VFA-125
LOCATION, UIC: NAS Lemoore, 09485
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

NATOPS Flight Manual Navy Model F/A-18A/B/C/D, A1-F18AC-NFM-000	Digital or Hard copy	6	FY03	Update in process
NATOPS Pocket Checklist, A1-F18AC-NFM-500	Digital or Hard copy	6	FY03	Update in process
Tactical Manual, A1-F18AC-TAC-000	Digital or Hard copy	6	FY03	Update in process
Tactical Manual Pocket Guide, A1-F18AC-TAC-300	Digital or Hard copy	6	FY03	Update in process

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: SFWS Atlantic
LOCATION, UIC: NAS Oceana, 40784
CIN, COURSE TITLE: SFARP
 SFWE

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
NATOPS Flight Manual Navy Model F/A-18A/B/C/D, A1-F18AC-NFM-000	Digital or Hard copy	6	FY03	Update in process
NATOPS Pocket Checklist, A1-F18AC-NFM-500	Digital or Hard copy	6	FY03	Update in process
Tactical Manual, A1-F18AC-TAC-000	Digital or Hard copy	6	FY03	Update in process
Tactical Manual Pocket Guide, A1-F18AC-TAC-300	Digital or Hard copy	6	FY03	Update in process

TRAINING ACTIVITY: SFWS Pacific
LOCATION, UIC: NAS Lemoore, 35185
CIN, COURSE TITLE: SFARP
 SFWE

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
NATOPS Flight Manual Navy Model F/A-18A/B/C/D, A1-F18AC-NFM-000	Digital or Hard copy	6	FY03	Update in process
NATOPS Pocket Checklist, A1-F18AC-NFM-500	Digital or Hard copy	6	FY03	Update in process
Tactical Manual, A1-F18AC-TAC-000	Digital or Hard copy	6	FY03	Update in process
Tactical Manual Pocket Guide, A1-F18AC-TAC-300	Digital or Hard copy	6	FY03	Update in process

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: VMFAT-101
LOCATION, UIC: MCAS Miramar, 45526
CIN, COURSE TITLE: M13P4B3, F/A-18 Fleet Replacement Pilot Basic and Transition
 M13P3V3, F/A-18 Fleet Replacement Pilot Refresher
 M13P3W3, F/A-18 Fleet Replacement Pilot Modified Refresher
 M13P4C3, F/A-18 WSO Basic and Transition
 M13P3R3, F/A-18 WSO Refresher
 M13P3S3, F/A-18 WSO Modified Refresher

NATOPS Flight Manual Navy Model F/A-18A/B/C/D, A1-F18AC-NFM-000	Digital or Hard copy	6	FY03	Update in process
NATOPS Pocket Checklist, A1-F18AC-NFM-500	Digital or Hard copy	6	FY03	Update in process
Tactical Manual, A1-F18AC-TAC-000	Digital or Hard copy	6	FY03	Update in process
Tactical Manual Pocket Guide, A1-F18AC-TAC-300	Digital or Hard copy	6	FY03	Update in process

TRAINING ACTIVITY: MAWTS 1
LOCATION, UIC: MCAS Yuma, 55167
CIN, COURSE TITLE: Air Combat Maneuvering Instructor (ACMI)
 Air Combat Tactics Instructor (ACTI)
 Defensive Tactics Instructor (DEFTACI)
 Weapons and Tactics Instructor (WTI)

NATOPS Flight Manual Navy Model F/A-18A/B/C/D, A1-F18AC-NFM-000	Digital or Hard copy	6	FY03	Update in process
NATOPS Pocket Checklist, A1-F18AC-NFM-500	Digital or Hard copy	6	FY03	Update in process
Tactical Manual, A1-F18AC-TAC-000	Digital or Hard copy	6	FY03	Update in process
Tactical Manual Pocket Guide, A1-F18AC-TAC-300	Digital or Hard copy	6	FY03	Update in process

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: SFWS Atlantic
LOCATION, UIC: NAS Oceana, 47084
CIN, COURSE TITLE: D-646-0640, F/A-18 Conventional Weapons Loading
 D-646-0647, F/A-18 Conventional Release System Test

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Airborne Weapons/Stores Loading Manual, A1-F18AE-LWS-000	Hard copy	10	FY03	Update in process
Release & Control (Missiles), Air to Air A1-F18AE-LWS-210	Hard copy	10	FY03	Update in process
AIM-9/Sidewinder/TACTS/SAIP POD A1-F18AE-LWS-530	Hard copy	10	FY03	Update in process
Organizational and Intermediate Maintenance with Illustrated Parts Breakdown, Sidewinder Guided Missile AIM-9X and Training Missile, AIM-9X Test Program Set, and CNU-609/E Container NAVAIR 01-AIM9X-2	Hard copy	10	FY03	Development in process

TRAINING ACTIVITY: SFWS Pacific
LOCATION, UIC: NAS Lemoore, 35185
CIN, COURSE TITLE: E-646-0640, F/A-18 Conventional Weapons Loading
 E-646-0647, F/A-18 Conventional Release System Test

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Airborne Weapons/Stores Loading Manual, A1-F18AE-LWS-000	Hard copy	10	FY03	Update in process
Release & Control (Missiles), Air to Air A1-F18AE-LWS-210	Hard copy	10	FY03	Update in process
AIM-9/Sidewinder/TACTS/SAIP POD A1-F18AE-LWS-530	Hard copy	10	FY03	Update in process
Organizational and Intermediate Maintenance with Illustrated Parts Breakdown, Sidewinder Guided Missile AIM-9X and Training Missile, AIM-9X Test Program Set, and CNU-609/E Container NAVAIR 01-AIM9X-2	Hard copy	10	FY03	Development in process

IV.B.3. TECHNICAL MANUALS

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

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Organizational and Intermediate Maintenance with Illustrated Parts Breakdown, Sidewinder Guided Missile AIM-9X and Training Missile, AIM-9X Test Program Set, and CNU-609/E Container NAVAIR 01-AIM9X-2	Hard copy	8	FY03	Development in process
Airborne Weapons Packaging/Handling/ Stowage (Shipboard) Volume I, NAVAIR 11-120A-1.1	Hard copy	8	FY03	Update in process
Airborne Weapons Packaging/Handling/ Stowage (Shipboard) Volume II, NAVAIR 11-120A-1.2	Hard copy	8	FY03	Update in process
Guided Missile, AIM-9X Sidewinder, Ship Weapon Installation Manual, NAVAIR 11-120-84	Hard copy	8	FY03	Development in process
Airborne Weapons Handling Equipment (Shipboard), NAVAIR 19-100-2	Hard copy	8	FY03	Update in process
Airborne Weapons/Stores Checklist, Transporting and Loading Equipment Configuration (Shipboard), NAVAIR 19-95-1	Hard copy	8	FY03	Update in process
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	FY03	Update in process

Note: Existing manuals currently reflect AIM-9M requirements only and will be updated with AIM-9X data as information becomes available.

IV.B.3. TECHNICAL MANUALS

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

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Organizational and Intermediate Maintenance with Illustrated Parts Breakdown, Sidewinder Guided Missile AIM-9X and Training Missile, AIM-9X Test Program Set, and CNU-609/E Container NAVAIR 01-AIM9X-2	Hard copy	8	FY03	Development in process
Airborne Weapons Packaging/Handling/ Stowage (Shipboard) Volume I, NAVAIR 11-120A-1.1	Hard copy	8	FY03	Update in process
Airborne Weapons Packaging/Handling/ Stowage (Shipboard) Volume II, NAVAIR 11-120A-1.2	Hard copy	8	FY03	Update in process
Guided Missile, AIM-9X Sidewinder, Ship Weapon Installation Manual, NAVAIR 11-120-84	Hard copy	8	FY03	Development in process
Airborne Weapons Handling Equipment (Shipboard), NAVAIR 19-100-2	Hard copy	8	FY03	Update in process
Airborne Weapons/Stores Checklist, Transporting and Loading Equipment Configuration (Shipboard), NAVAIR 19-95-1	Hard copy	8	FY03	Update in process
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	FY03	Update in process

Note: Existing manuals currently reflect AIM-9M requirements only and will be updated with AIM-9X data as information becomes available.

IV.B.3. TECHNICAL MANUALS

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

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Organizational and Intermediate Maintenance with Illustrated Parts Breakdown, Sidewinder Guided Missile AIM-9X and Training Missile, AIM-9X Test Program Set, and CNU-609/E Container NAVAIR 01-AIM9X-2	Hard copy	8	FY03	Development in process
Airborne Weapons Packaging/Handling/ Stowage (Shipboard) Volume I, NAVAIR 11-120A-1.1	Hard copy	8	FY03	Update in process
Airborne Weapons Packaging/Handling/ Stowage (Shipboard) Volume II, NAVAIR 11-120A-1.2	Hard copy	8	FY03	Update in process
Guided Missile, AIM-9X Sidewinder, Ship Weapon Installation Manual, NAVAIR 11-120-84	Hard copy	8	FY03	Development in process
Airborne Weapons Handling Equipment (Shipboard), NAVAIR 19-100-2	Hard copy	8	FY03	Update in process
Airborne Weapons/Stores Checklist, Transporting and Loading Equipment Configuration (Shipboard), NAVAIR 19-95-1	Hard copy	8	FY03	Update in process
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	FY03	Update in process

Note: Existing manuals currently reflect AIM-9M requirements only and will be updated with AIM-9X data as information becomes available.

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MTU 4034 VMAT-203 FREST
LOCATION, UIC: MCAS Cherry Point , 66047
CIN, COURSE TITLE: C-646-3105, Aviation Ordnance Intermediate Maintenance Technician

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Organizational and Intermediate Maintenance with Illustrated Parts Breakdown, Sidewinder Guided Missile AIM-9X and Training Missile, AIM-9X Test Program Set, and CNU-609/E Container NAVAIR 01-AIM9X-2	Hard copy	8	FY03	Development in process
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	FY03	Update in process

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MTU 4035 NAMTRAGRUDET
LOCATION, UIC: NAS Whidbey Island, 66058
CIN, COURSE TITLE: C-122-3111A, Air Launched Guided Missiles Intermediate Maintenance

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Organizational and Intermediate Maintenance with Illustrated Parts Breakdown, Sidewinder Guided Missile AIM-9X and Training Missile, AIM-9X Test Program Set, and CNU-609/E Container NAVAIR 01-AIM9X-2	Hard copy	10	FY03	Development in process
Airborne Weapons Packaging/Handling/ Stowage (Shipboard) Volume I, NAVAIR 11-120A-1.1	Hard copy	8	FY03	Update in process
Airborne Weapons Packaging/Handling/ Stowage (Shipboard) Volume II, NAVAIR 11-120A-1.2	Hard copy	8	FY03	Update in process
Guided Missile, AIM-9X Sidewinder, Ship Weapon Installation Manual, NAVAIR 11-120-84	Hard copy	8	FY03	Development in process
Airborne Weapons Handling Equipment (Shipboard), NAVAIR 19-100-2	Hard copy	8	FY03	Update in process
Airborne Weapons/Stores Checklist, Transporting and Loading Equipment Configuration (Shipboard), NAVAIR 19-95-1	Hard copy	8	FY03	Update in process
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	FY03	Update in process

Note: Existing manuals currently reflect AIM-9M requirements only and will be updated with AIM-9X data as information becomes available.

TRAINING ACTIVITY: NAVSCOLEOD DET
LOCATION, UIC: Eglin AFB, 46207
CIN, COURSE TITLE: A-431-0011, EOD Phase II (Navy)
 A-431-0012, EOD Phase II

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Explosive Ordnance Disposal Book, EODB6OG-02-2-34-5	CD-ROM	150	FY03	In Development

IV.B.3. TECHNICAL MANUALS

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

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Explosive Ordnance Disposal Book, EODB6OG-02-2-34-5	CD-ROM	4	FY03	In Development

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

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Explosive Ordnance Disposal Book, EODB6OG-02-2-34-5	CD-ROM	4	FY03	In Development

PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
PMA205	Conduct analysis of MPT requirements	May 93	Completed
PMA205	Prepare Human Systems Integration Plan for AIM-9X	July 94	Completed
PMA205	Promulgate Draft NTSP	Dec 96	Completed
AIR-3.1.1L	Promulgated Draft ILSP	July 97	Completed
PMA205	Promulgate Approved NTSP	May 98	Completed
AIR-3.1.1L	Promulgated Approved ALSP	Jan 99	Completed
RMS	Provide DT-IIB/C Training	July 98	Completed
RMS	Provide OT-IIA Training	Sep 99	Completed
NAVWPNTSTRON	Begin TECHEVAL (DT-IID)	Nov 00	
RMS	Provide OT-IIB Training	Oct 01	
OPTEVFOR/VX-9	Begin OPEVAL (OT-IIB)	Nov 01	
PMA205-3J/RMS	Begin Technical Training Equipment delivery	FY02	
PMA205-3J/RMS	Deliver Training Device	FY02	
PMA205-3J	Deliver Curricula Materials	FY03	
AIR-3.1.1L/RMS	Deliver Technical Manuals	FY03	
PMA205-3J	Begin Initial Training	FY03	
AIR-3.1.1L	Attain Material Support Date (MSD)	FY03	
PMA259/AIR-3.1.1L	Fleet Introduction	FY03	
CNET/NSAWC/MCCDC	Begin Follow-on Training	FY03	
AIR-3.1.1L	Attain Navy Support Date (NSD)	FY04	

PART VI - ACTION ITEMS / ACTION REQUIRED

DECISION ITEM OR ACTION REQUIRED	COMMAND ACTION	DUE DATE	STATUS
Waive requirement for MPT Advisory Board and incorporate HARDMAN analysis data directly into Preliminary Draft NTSP	OPNAV N889H	July 93	Closed - waiver granted
Identify squadron proficiency training requirements, e.g., CATM and ICW, in Preliminary Draft NTSP	PMA205-5F	Dec 96	Closed – quantities and rationale included in NTSP
Coordinate/integrate development of AIM-9X aircrew training with JHMCS training to the fullest extent possible	PMA205-3J	Feb 98	Closed – Joint Interface Control Working Group (JICWG) formed by PMA259
Track status of AIM-9X maintenance concept for switch to shipboard BIT and reprogramming of AIM-9X assets using CMBRE	PMA205-3J	March 98	Closed – maintenance and training concept updated and resource requirements identified

PART VII - POINTS OF CONTACT

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PART VII - POINTS OF CONTACT

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CW04 Frank Nittinger OPTEVFOR VX-9	AIM-9X Operational Test Project Manager	(760) 939-4930, DSN (760) 939-7310 (fax) nittingf@vx9-1.chinalake.navy.mil
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PART VII - POINTS OF CONTACT

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Mr. Bill Long NAVAIRSYSCOM PMA205-3J	Sidewinder Training System Program Manager	(301) 757-8104, DSN 757 (301) 757-6941 (fax) longwf@navair.navy.mil
Ms. Brenda Walker NAVAIRSYSCOM AIR 3.1.1L	AIM-9X Assistant Program Manager, Logistics	(301) 757-7510, DSN 757 (301) 757-7487 (fax) walkerbm@navair.navy.mil
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AOCS Wallis Lacey NAVAIRSYSCOM AIR 3.4.1.1	NTSP Coordinator	(301) 757-9189, DSN 757 (301) 342-4723 (fax) laceywo@navair.navy.mil
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