

DRAFT

NAVY TRAINING SYSTEM PLAN

FOR THE

AIM-120 ADVANCED MEDIUM RANGE

AIR-TO-AIR MISSILE

N88-NTSP-A-50-8111D/D

JANUARY 2003

AIM-120 ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE

EXECUTIVE SUMMARY

The Advanced Medium Range Air-to-Air Missile (AMRAAM) program was established as a result of Joint Service Operational Requirement for an Advanced Air-to-Air Tactical Missile needed in the post-1985 time frame. AMRAAM is managed as a joint Air Force and Navy program. The Air Force, as executive service, established a Joint System Program Office (JSPO) at Air Force Material Command/Aeronautical Systems Center, Eglin Air Force Base, Fort Walton Beach, Florida. The JSPO is headed by the Air Force Deputy for AMRAAM (Code ASC/YA) and an on-site Navy AMRAAM Program Manager, Air (PMA259). AMRAAM is currently in the Production, Fielding/Deployment and Operational Support Phase of the Weapon System Acquisition Process. Air Force Initial Operating Capability (IOC) was declared in September 1991. Navy IOC was completed in September 1993.

Presently, there are three series of AMRAAM: AIM-120A, AIM-120B, and AIM-120C. The AIM-120A is a non-reprogrammable missile, while the AIM-120B/C are reprogrammable through the missile umbilical using the Common Field-Level Memory Reprogramming Equipment. The AIM-120C has smaller aerosurfaces to enable internal carriage on the Air Force F-22 aircraft. Pre-Planned Production Improvement (P³I) block upgrades are denoted on the AIM-120C missiles using a dash number, e.g., AIM-120C-6.

Testing was accomplished in a combined Developmental Test and Evaluation and Initial Operational Test and Evaluation program. Successful operational testing on the F/A-18C/D aircraft was conducted by Commander Operational Test and Evaluation Force during fiscal year (FY) 94 and included an evaluation of the missile system's effectiveness and suitability, maintainability, and supportability in the Navy operational environment.

The AMRAAM Training Program consists of initial training for instructors and follow-on training for operators and maintenance personnel. Initial training for All-Up-Round (AUR) loading, handling, processing and LAU-127A/A launcher operation and maintenance was provided by Naval Air Warfare Center Weapons Division (NAWCWD), Point Mugu, California in FY93. Refresher training for AUR loading, handling, processing and LAU-127A/A launcher operation and maintenance was provided by NAWCWD, China Lake, California in FY95. Raytheon provided aircrew instruction via their AMRAAM School in Tucson, Arizona through FY95. This responsibility was transitioned to the Naval Strike and Air Warfare Center (NSAWC) as part of their Strike Fighter Training Program (SFTP); however Raytheon continues to hold its three-day AMRAAM course several times per year.

AMRAAM BIT and reprogramming tasks are transitioning from mobile, deployable teams to USN/USMC Weapons Department personnel. Training equipment and initial training to support the transfer are planned in FY03.

AIM-120 ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE

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AIM-120 ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE

LIST OF ACRONYMS

| | |
|----------------|--|
| AFB | Air Force Base |
| AFD | Arm/Fire Device |
| AIMD | Aircraft Intermediate Maintenance Department |
| AIM | Aerial-Intercept Guided Missile |
| AMIST | Aviation Maintenance In-Service Training |
| AMRAAM | Advanced Medium Range Air-to-Air Missile |
| AMTCS | Aviation Maintenance Training Continuum System |
| AO | Aviation Ordnancemen |
| ASC | Aeronautical Systems Center |
| AT | Aviation Electronics Technician |
| AUR | All-Up-Round |
| BIT | Built-In-Test |
| CAI | Computer Aided Instruction |
| CANTRAC | Catalog of Navy Training Courses |
| CATM | Captive Air Training Missile |
| CBT | Computer Based Training |
| CCRV | Captive Carry Reliability Vehicle |
| CD-ROM | Compact Disk-Read Only Memory |
| CFMRE | Common Field-level Memory Reprogramming Equipment |
| CIN | Course Identification Number |
| CINCLANTFLT | Commander in Chief, U.S. Atlantic Fleet |
| CINCPACFLT | Commander in Chief, U.S. Pacific Fleet |
| CMC | Commandant of the Marine Corps |
| CMI | Computer Managed Instruction |
| CNO | Chief of Naval Operations |
| COAST | Common O-level Armament Support Tester |
| COMNAVAIRESFOR | Commander, Naval Air Reserve Force |
| CV/CVN | Aircraft Carrier |
| CWTPI | Conventional Weapon Technical Proficiency Inspection |
| DOP | Designated Overhaul Point |
| EOD | Explosive Ordnance Disposal |

AIM-120 ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE

LIST OF ACRONYMS

| | |
|--------------|---|
| FMS | Foreign Military Sales |
| FREST | Fleet Replacement Enlisted Skills Training |
| FRS | Fleet Replacement Squadron |
| FY | Fiscal Year |
| GFE | Government Furnished Equipment |
| GPS | Global Positioning System |
| ICW | Interactive Courseware |
| IM | Insensitive Munitions |
| IMSD | Inventory Management and Systems Division |
| JILSP | Joint Service Integrated Logistics Support Plan |
| JRB | Joint Reserve Base |
| JSD | Joint Services Depot |
| JSPO | Joint System Program Office |
| MALS | Marine Aviation Logistics Squadron |
| MATMEP | Marine Aviation Training Management Evaluation Program |
| MCAS | Marine Corps Air Station |
| MCCDC | Marine Corps Combat Development Command |
| MOS | Military Occupational Specialty |
| MRL | Missile Rail Launcher |
| MTIP | Maintenance Training Improvement Program |
| MTU | Maintenance Training Unit |
| NA | Not Applicable |
| NAMTRAGRUDET | Naval Air Maintenance Training Group Detachment |
| NAMTRAMARU | Naval Aviation Maintenance Training Marine Corps Unit |
| NAMTRAU | Naval Aviation Maintenance Training Unit |
| NAS | Naval Air Station |
| NATOPS | Naval Air Training and Operating Procedures Standardization |
| NAVAIRSYSCOM | Naval Air Systems Command |
| NAVSCOLEOD | Naval Explosive Ordnance Disposal School |
| NAVICP | Naval Inventory Control Point |
| NAWCWD | Naval Air Warfare Center Weapons Division |

AIM-120 ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE

LIST OF ACRONYMS

| | |
|------------------|--|
| NAWMU | Naval Airborne Weapons Maintenance Unit |
| NCEA | Non-Combat Expenditure Allocation |
| NEC | Navy Enlisted Classification |
| NETC | Naval Education and Training Command |
| NSAWC | Naval Strike and Air Warfare Center |
| NTSP | Navy Training System Plan |
| NWS | Naval Weapons Station |
| | |
| OOLD | Out-Of-Line Device |
| OPNAV | Office of the Chief of Naval Operations |
| OPNAVINST | OPNAV Instruction |
| OPO | OPNAV Principle Official |
| | |
| PEST | Practical Explosive Ordnance Disposal System Trainer |
| PICA | Primary Inventory Control Activity |
| PMA | Program Manager, Air |
| P ³ I | Pre-Planned Product Improvement |
| PSMP | Product Support Management Plan |
| | |
| RF | Radio Frequency |
| RFT | Ready For Training |
| RSP | Render Safe Procedures |
| | |
| SFTI | Strike Fighter Tactics Instructor |
| SFTP | Strike Fighter Training Program |
| SFTS | Strike Fighter Training System |
| SFWS | Strike Fighter Weapons School |
| SFWSL | Strike Fighter Weapons School Atlantic |
| SFWSP | Strike Fighter Weapons School Pacific |
| SFWT | Strike Fighter Weapons and Tactics |
| SICA | Secondary Inventory Control Activity |
| SIST | Serviceable-In-Service-Time |
| | |
| TBD | To Be Determined |
| TD | Training Device |
| TDD | Target Detection Device |
| TIVS | Thermally Initiated Venting System |
| TM | Technical Manual |

AIM-120 ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE

LIST OF ACRONYMS

| | |
|------|-------------------------------------|
| T&R | Training and Readiness (matrix) |
| TOFT | Tactical Operational Flight Trainer |
| TTE | Technical Training Equipment |
| USAF | United States Air Force |
| USMC | United States Marine Corps |
| USN | United States Navy |
| WCU | Weapons Control Unit |
| WDU | Weapons Detonation Unit |
| WGU | Weapons Guidance Unit |
| WPU | Weapons Propulsion Unit |
| WSO | Weapon and Sensor Officer |
| WTT | Weapon and Tactics Trainer |

AIM-120 ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE

PREFACE

This Approved Navy Training System Plan (NTSP) has been prepared to update the AIM-120 Advanced Medium Range Air-to Air Missile (AMRAAM) Navy Training Plan, A-50-8111C, dated June 1998. The update of this document was accomplished through a thorough review of the life-cycle manpower, personnel, and training requirements associated with the AMRAAM program.

The major changes and updates to this NTSP consist of:

- PART I:** Updated information to include the Air-launched, Aerial-Intercept Guided Missile (AIM) design series AIM-120C/4/5/6/7 and intermediate maintenance and training concepts to include Built-In Test (BIT) and reprogramming tasks.
- PART II:** Recalculated to depict current billet requirements for operational and fleet support units through FY07.
- PART III:** Recalculated to identify chargeable student billets through FY07.
- PART IV:** Updated to reflect the current requirements in training and training logistics support.
- PART V:** Updated to show completion of milestones and includes new milestones supporting the AIM-120C.
- PART VII:** Updated to reflect current Points of Contact.

PART I - TECHNICAL PROGRAM DATA

A. TITLE-NOMENCLATURE-PROGRAM

1. Nomenclature-Title-Acronym. AIM-120 Advanced Medium Range Air-to-Air Missile (AMRAAM).

2. Program Element. 24162N and 26138M.

B. SECURITY CLASSIFICATION

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

C. NTSP PRINCIPALS

- OPNAV Principal Official (OPO)
- Program Sponsor CNO (N78)
- OPO Resource Sponsor CNO (N781C8)
- Marine Corps Mission Sponsor CMC (ASL-30)
- Developing Agency PEO(T) (PMA259)
- Training Agency COMLANTFLT
COMCPACFLT
CNET
COMNAVAIRESFOR
MAWTS-1
NSAWC (N7)
- Training Support Agency NAVAIR (PMA205)
COMNAVAIRESFOR (N3W)
- Manpower and Personnel Mission Sponsor CNO (N12)
NAVPERSCOM (PERS-21, PERS-4, PERS-404)
- Director of Naval Training CNO (N00T)
- Commander, Reserve Program Manager COMNAVAIRESFOR (N3W)
- Marine Corps Total Force Structure MCCDC (C-5352)

D. SYSTEM DESCRIPTION

The AMRAAM system includes the tactical AIM-120 missile, a dual missile (AIM-9/AIM-120) capable rail launcher (LAU-127), the CATM, telemetry configured AIM-120 missile, reusable shipping and storage containers for the All-Up-Round (AUR) and sections, peculiar support equipment, and common support equipment. The AMRAAM program is a major defense acquisition (ACAT IC), managed as a joint Air Force and Navy program. The Air Force, as executive service, established a Joint Systems Program Office (JSPO) at Air Force Materiel Command/Air Armament Center, Eglin AFB, FL, with an office symbol of AAC/YA. The JSPO is headed by the Air Force Program Director and includes an on-site Navy AMRAAM Program Manager (PMA-259).

1. Operational Uses. Presently, there are three series of the AMRAAM mission design: AIM-120A, AIM-120B, and AIM-120C. Hereafter, AMRAAM will be used when referring collectively to all AMRAAM configurations and the mission-design-series will be used when referring to specific AMRAAM configurations. AMRAAM is an all-weather, radar-guided, and all-environment missile for use on F-15, F-16, F/A-18, F-22, and Joint Strike Fighter (JSF) aircraft. Interoperability with the British Sea Harrier and German F-4F aircraft has been developed. AMRAAM has also been integrated on the UK Tornado, Swedish Gripen, Viggen and Eurofighter 2000. It incorporates active radar with an inertial reference unit and micro-computer system which makes the missile less dependent upon the fire control system of the host aircraft. AMRAAM offers far greater lethality than most series of the AIM-7 Sparrow, significantly improves operational capability while reducing the missile's weight and drag on aircraft performance, improves sortie generation capabilities, overall system reliability, system supportability, end game performance, performance in electronic combat, and performance in low-altitude clutter.

2. Foreign Military Sales. The Air Force, as the executive service, is responsible for Foreign Military Sales (FMS). AMRAAM is sold to approved FMS customers.

E. DEVELOPMENTAL TEST (DT) AND OPERATIONAL TEST (OT). All AMRAAM testing is coordinated by the AMRAAM JSPO. Navy-specific testing is relegated to PMA259.

1. DT and OT Not Completed. Not Applicable (NA).

2. DT and OT Completed. Testing was accomplished in a combined Developmental Test and Evaluation and Initial Operational Test and Evaluation program. Successful USN OT on the F/A-18C/D aircraft was conducted by Commander, Operational Test and Evaluation Force during FY94. Maintainability and supportability demonstrations on the F/A-18C/D aircraft were also performed. Ground test, loading and unloading, and captive flights were also completed successfully.

3. Follow-on Test and Evaluation. The United States Marine Corps (USMC) is considering integration of AMRAAM with their AV-8BC1 aircraft. Successful integration, procurement, and introduction will impact USMC AV-8BC1 aircrew and Organizational-level maintenance personnel training curriculum.

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

AMRAAM does not replace any existing missile system in the Navy or Marine Corps inventory, although it does share the medium-range, air-to-air missile mission with the AIM-7 Sparrow.

G. DESCRIPTION OF NEW DEVELOPMENT

1. Functional Description

a. Missile. AMRAAM is a supersonic, air launched, aerial intercept, guided missile employing active radar target tracking, proportional navigation guidance, and active Radio Frequency (RF) target detection. It employs active, semi-active, and inertial navigational methods of guidance to provide an autonomous launch and leave capability against single and multiple targets in all environments. During free flight, the missile is able to receive telemetered targeting data from the host aircraft. This data is used by the missile to identify the target in lieu of using active methods to acquire the target.

AMRAAM consists of four major sections: Guidance, Armament, Propulsion and Control. The missile has mounted externally: four wings, four fins (control surfaces) and a wiring harness cover with a Thermally Initiated Venting System (TIVS).

AIM-120A missiles, Lots 1-5, (and some in Lot 6) are non-reprogrammable and require a hardware change to upgrade the software. Lots 1-3 missiles do not have TIVS harness covers and are used by the AF only.

AIM-120B missiles, Lots 6-7, are reprogrammable through the missile umbilical using the Common Field-Level Memory Reprogramming Equipment (CFMRE) or Guided Weapons Test Station with the AUR Test Program Set. The AF AUR containers are configured with an internal cable, which enables the missiles to be reprogrammed through the container. The Navy containers are not equipped with cables, and the container must be opened to reprogram the missiles.

AIM-120C missiles, Lots 8-15 delivered or on contract with Lots 16-21 planned for future contracts. The AIM-120C is reprogrammable and is a compressed carriage configuration. These missile designs are upgraded using the block upgrade concept. Missile configurations are identified as AIM-120C, C-4, C-5, C-6, and C-7.

All AMRAAM variants are currently approved for use on the F/A-18C/D aircraft. Only the AIM-120C will be approved for use on the F/A-18E/F aircraft.

(1) Guidance Section, Weapons Guidance Unit. The Weapons Guidance Unit (WGU) consists of the radome, seeker, servo, transmitter-receiver, electronics unit, Inertial Reference Unit, Target Detection Device (TDD), the harnesses, and frame structure. All units except the TDD are contained within a sealed structure composed of the pyroceramic radome, titanium skin sections, and aluminum aft bulkhead. The TDD, RF and video processor,

and the antennas are attached to the aft skin section as a complete testable assembly. Electronics group functions include radar signal processing, seeker servo control, and all of the computations performed in the central data processor. The WGU-16B is used on AIM-120A missiles, the WGU-41/B is used on AIM-120B missiles, and the WGU-44/B is used on AIM-120C missiles. Guidance sections on AIM-120B and AIM-120C missiles contain Electronic Erasable Programmable Read Only Memory which allow reprogramming of the missile software. Missile software versions are denoted by Tape and Revision Numbers, e.g., Tape 7 Revision 25.

(2) Armament Section, Weapons Detonation Unit. The Weapons Detonation Unit (WDU)-33/B forms an integral part of the tactical missile airframe and includes the warhead, the FZU-49/B (modified Mk 3 Mod 5) safe-arm fuze device, and the Mk 44 Mod 1 booster. The armament section also includes the forward missile hook and hanger. The WDU-33/B warhead meets the Insensitive Munitions (IM) program requirements. The enhanced warhead (WDU-41/B) was introduced in Lot 11 (AIM-120C-4 and beyond).

(3) Propulsion Section, Weapons Propulsion Unit. The Weapons Propulsion Unit (WPU)-6/B consists of an airframe, integral rocket motor, a blast tube and exit cone, and an Arm/Fire Device (AFD) with a visible safe-arm indicator. The high performance rocket motor utilizes a reduced smoke, hydroxyl terminated, polybutadiene propellant in a boost sustain configuration, an asbestos-free insulated case (an integral part of the airframe), and an integral aft closure, blast tube, and nozzle assembly with a removable exit cone to facilitate control section installation/removal. Wings are attached in wing sockets at the forward end of the propulsion section. Provisions are included within this section for mounting the filter rectifier assembly. The filter rectifier assembly, mounted at the forward end of the propulsion section, provides the conversion of aircraft power required by the missile.

The propulsion section (with TIVS) meets the fast cook-off and sympathetic detonation requirements of the IM program and the policy delineated in OPNAVINST 8010.13B. The other requirements (bullet impact, fragment impact, and slow cook-off) have not been met with the current configuration. Presently, the AIM-120 has been granted the associated waivers for shipboard use. An extended length (+5 inches) rocket motor, WPU-16, was incorporated in Lot 12 production (AIM-120C-5 and beyond).

(4) Control Section, Weapons Control Unit. The Weapons Control Unit (WCU)-11/B consists of four independently controlled electro-mechanical servo actuators, four lithium-aluminum batteries connected in parallel, and a steel fuselage section that is bolted to the propulsion section aft skirt. Each actuator consists of a brushless DC motor ballscrew, an infinite resolution potentiometer directly coupled to the output shaft, and pulse width modulated control electronics. The output shaft is engaged directly to a squib actuated lock so that it does not interfere with the fin (control surface) installation and removal. The WCU-28/B control section (Shortened Control Actuator Section) was introduced in Lot 12 (AIM-120C-5 and beyond). This control section is shortened to incorporate the extended rocket motor.

(5) Wiring Harness, Harness Cover, and Thermally Initiated Venting System. The wiring harness cover extends from the aft end of the guidance section to the forward end of the control section. Its primary purpose is to provide protection for the wiring harness. The main wiring harness electrically connects the umbilical connector, guidance section, and control section. The wiring harness cover, on Lot 4 missiles and beyond, also houses the TIVS. The TIVS is designed to vent rocket motor pressure in the event the missile is exposed to a fuel fire. The TIVS consists of an external thermal cord which, when ignited, triggers an Out-Of-Line Device (OOLD) that ignites a Linear Shape Charge that weakens the rocket motor, allowing the rocket motor to vent without exploding. The OOLD prevents the shaped charge from detonating should the booster in the OOLD inadvertently detonate due to causes such as high impact. The unit has an additional safety feature that causes it to “reset” within nine to thirteen units of gravity, such as the acceleration experienced during missile launch. This feature prevents the system from functioning during missile free flight so that the associated aerodynamic pressures do not inadvertently enable the TIVS and thereby degrade missile performance. An indicator is on the wiring harness cover showing the condition of the TIVS, either “ENABLE” or “DISABLE”. Only TIVS equipped missiles are deployed aboard Aircraft Carriers (CV/CVN).

(6) Wing and Fin Assemblies. Wing and fin assemblies provide for flight control of the missile. The four wings are detachable, stationary flight surfaces with ball fasteners to facilitate quick installation and removal. The four fins provide the movable control surfaces. The AIM-120C has “clipped” wings and fins which are not interchangeable with AIM-120A and AIM-120B missiles. The AIM-120C utilizes “clipped” wings and fins in order to meet the internal carriage requirements of the F-22.

(7) Other Missile Components. Other components of the AMRAAM missile include a buffer connector, data link antenna receiver and boattail. The buffer connector, also referred to as the connector adapter, provides an electrical interface between missile and launcher. The data link receiver includes an antenna and processor which provides for receiving target update data from the launch aircraft. The boattail is a fairing that encloses the aft end of the propulsion section.

b. Other Missile Configurations. Other AMRAAM configurations include telemetry missiles and Captive Air Training Missiles (CATMs).

(1) Airborne Instrumentation Unit (AIU) Telemetry Missile. The tactical missile may be configured into a telemetry missile by replacing the armament section and tactical wiring harness with an AIU and telemetry wiring harness. This telemetry configuration is utilized by Air Force, Navy and Foreign military customers. The AIU telemetry section is form and fit interchangeable with the armament section of tactical missiles. It provides airborne telemetry and flight termination functions. It also gathers and transmits missile performance data during ground test, captive carry and launch operations. The AIU includes a tracking transponder and a telemetry data link secured by the means of an encryption device and a Flight Termination System (FTS).

(2) Non-Developmental Item Airborne Instrumentation Unit (NDI-AIU) Telemetry Missile. The NDI-AIU will replace the WRTTM (AF use only) and AIU for telemetry missiles. The NDI-AIU is form and fit interchangeable with the tactical missile armament section and provides telemetry, radar tracking augmentation (by means of a radar transponder) and the radio receivers for range safety flight termination. This unit is the next generation telemetry unit incorporating current electronics technology. The modular design improves produceability, thereby increasing reliability and reducing manufacturing cost. The unit will have two redundant flight termination transponders that are field replaceable for re-certification, thus eliminating the need to return the entire unit for certification. The unit is expandable allowing the insertion of Global Positioning System (GPS) capability in the future.

(3) Captive Air Training Missiles. The AMRAAM CATM 120A/B/C is a flight-certified structural replica of the tactical missile and is ballasted to replicate weight and center of gravity. As with the tactical missile, the CATM includes four wings, four fins, and a buffer connector. The CATM has no internal electrical components, except for a jumper wire which provides "MISSILE PRESENT" indication on the F-15 and F-16 aircraft. The CATM is used to support load crew training for both services and may be captive carried on US aircraft to support aircrew training or simulated operational requirements. The CNU-555/E is used by the Navy to ship/store the CATM. The CATM and tactical missile fins are not interchangeable.

All US CATM-120A have been converted to the CATM-120B configuration. An AMRAAM CATM-120B is identical to the CATM-120A with the exception of its radome shape. The CATM-120B radome is a blunt-nosed configuration. The CATM-120C replicates the compressed carriage characteristics of the AIM-120C missile and maintains the blunt-nosed configuration of the CATM-120B.

(4) Captive Carry Reliability Vehicle. The AMRAAM Captive Carry Reliability Vehicle (CCRV) is a tactical missile with inert armament and propulsion sections. It is used at SFWSL and SFWSP for the AMRAAM CWTPi because it allows post-load BIT to complete the AMRAAM loading checklist.

c. Launchers. The AMRAAM system includes three Missile Rail Launchers (MRLs): the LAU-127A/A, in conjunction with the LAU-115, used on the F/A-18C/D aircraft; the LAU-128A/A, and the LAU-129A/A, used on the F-15 and F-16 aircraft, respectively. Additional interface cables are not required between the aircraft and the launcher. The LAU-127A/A can be installed and operated at all current AIM-9 Sidewinder positions on the F/A-18C/D/E/F except F/A-18C/D wing tip stations. The LAU-127A/A is also capable of launching AIM-9 Sidewinder missiles. The LAU-127A/A supplements the Sidewinder launchers (except F/A-18C/D wing tip) on AMRAAM capable aircraft.

The LAU-116 eject launchers were modified to include the interface functions necessary for AIM-120 eject launch. The LAU-116 are installed on F/A-18 "cheek" stations.

d. Containers. The AMRAAM is transported and stored in an AUR container designed to package up to four missiles including the wings, fins and buffer connectors. Each service has unique AUR containers to meet its specific requirements. The Navy AUR CNU-415A/E, CNU-415B/E, and CNU-415C/E container stores the wings, fins and buffer connectors in a center compartment under the missiles. The missiles are oriented nose-to-tail to meet shipboard IM requirements. The CNU-415A/E, B/E, C/E AUR containers are supported by shipboard support equipment, such as the HLU 216A/E Hoisting Beam and the MK45 Mod 2 Handlift Truck. The container is transportable on land using the Navy AERO-51C and the USMC A/M32K-4A, Rough Terrain Trailer. The CNU-415A/E was reconfigured into a CNU-415B/E. The CNU-415B/E is being modified into the CNU-415C/E that has container interlocking capability thus deleting the requirement for banding the containers in a unit load.

The AUR CNU-555/E Navy container stores AUR CATM missiles, wings, fins and buffer connectors. It is the same container as the CNU-415A/E and B/E versions, but contains radome blocks compatible with the CATM's blunt nose. The CNU-555/E is being modified to include the interlocking capability.

There are two containers for individual storage of wings and fins. The CNU-452/E can package four wings and four fins for AIM-120A/B. but is non-procurable and obsolete. The CNU-452A/E can package four wings and fins for AIM-A/B/120C.

e. Common Field Level Memory Reprogramming Equipment. The Common Field Level Memory Reprogramming Equipment (CFMRE) is special test equipment used to perform AIM-120 BIT and to reprogram AIM-120B and AIM-120C missiles out of the container, or up to four missiles in or out of the Air Force AUR container. The CFMRE (AN/GYQ-75A(V)) is comprised of an Interface Adapter Unit, Computer/Controller Assembly, and a Cable Case Assembly.

f. Follow-on CFMRE. AMRAAM P³I has driven new requirements for reprogramming. A decision will be made whether to replace the current CFMRE with a "new start" CFMRE or change to the "improved" Common Munitions BIT Reprogramming Equipment (CMBRE). Technical analysis for the decision is due from Raytheon, and based on that information, the AMRAAM Management Team determine which system will replace the current CFMRE. A decision is anticipated by 30 September 2003. Once the decision is made, this NTSP will be updated to reflect the appropriate BIT/reprogramming equipment chosen.

2. Physical Description. AMRAAM has the physical properties listed below. Four wings, four fins (control surfaces), and the wiring harness cover are mounted externally, providing additional distinguishing features from other similar missiles, such as AIM-7 Sparrow. The AIM-120C utilizes "clipped" wings and fins in order to meet the internal carriage requirements of the F-22.

Table I-1. AMRAAM Leading Particulars.

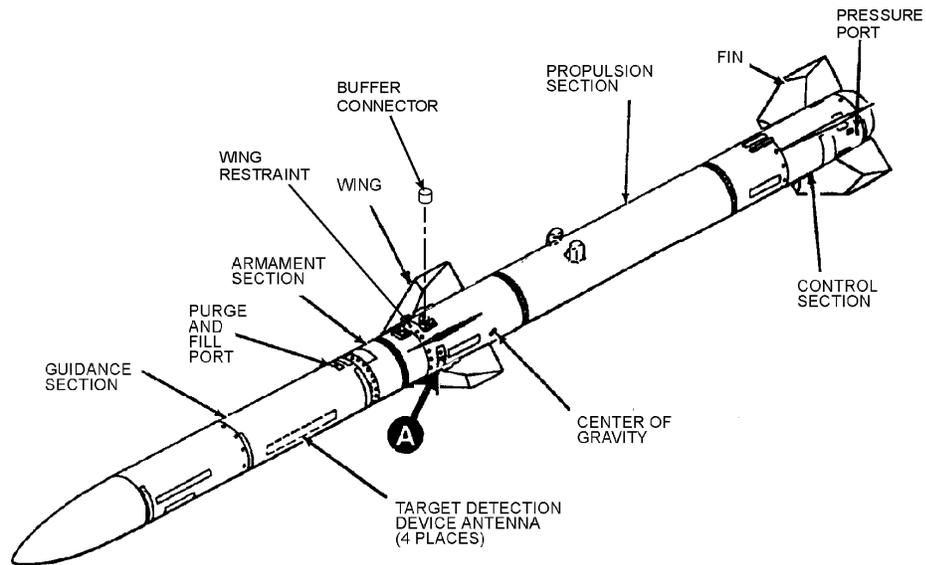
| | | |
|------------------------|-------|------------|
| Length | 144.0 | inches |
| Diameter | 7.0 | inches |
| Wing Span | 21.0 | inches* |
| Wing Span | 19.0 | inches** |
| Fin Span | 25 | inches* |
| Fin Span | 19 | inches** |
| Weight | 348.1 | pounds*** |
| Weight | 356.0 | pounds**** |

* AIM-120A and AIM-120B

** AIM-120C

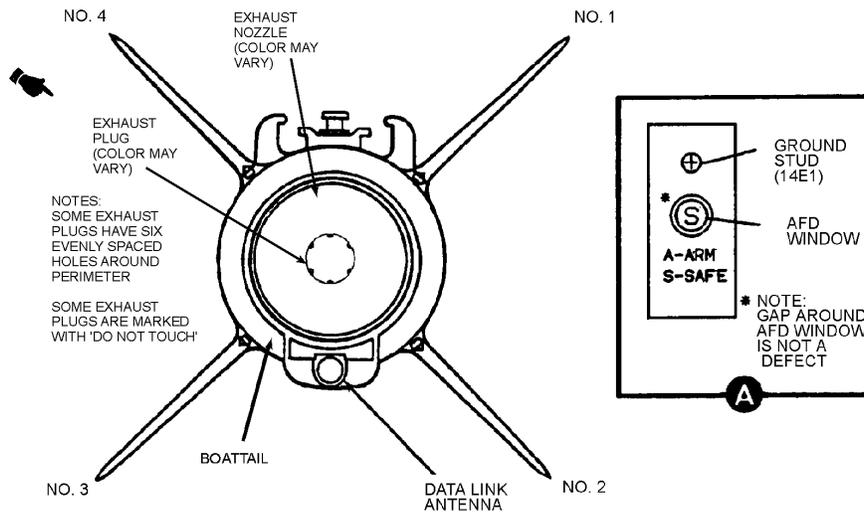
*** AIM-120A, AIM-120B and AIM-120C through AIM-120C-4

**** AIM-120C-5 and AIM-120C-6



OVERALL AND TOP VIEW

NOTE: AIM-120C/C-4 CONFIGURATION SHOWN
MISSILE INSPECTION AREAS APPLICABLE TO
ALL AIM-120 MISSILES UNLESS OTHERWISE
SPECIFIED IN INSPECTION TABLE



REAR VIEW

AM20-29C

Figure I-1. AMRAAM AIM-120C

3. New Development Introduction. AMRAAM was introduced through new production. The Navy began receiving AIM-120A deliveries in 1991, but delayed Fleet introduction until integration with the F/A-18 aircraft was completed in 1993. Fleet introduction coincided with F/A-18 IOC when CV/CVN load-outs began to include AIM-120A. AIM-120B deliveries began in FY 94, and AIM-120C deliveries began in FY 96. AMRAAM Pre-Planned

Product Improvement (P³I) missile deliveries began in FY-00 (AIM-120C-3) and continue through FY-12.

4. Significant Interfaces.

(1) AMRAAM to Launcher. Power for Built-In-Test (BIT) of the pre-launch dormant missile is provided by converting aircraft power in the AMRAAM Electronic Control Unit. The filter rectifier assembly is mounted at the forward end of the missile propulsion section and provides the conversion of aircraft power required by the missile. Prior to launch, signal and data transfer between missile and aircraft is accomplished through a buffer connector that is in-line between the launcher cable and the missile umbilical connector. Approved USN/USMC launchers include the LAU-127 and the LAU-116.

(2) AMRAAM to CFMRE. The AN/GYQ-75A(V), also known as CFMRE, interfaces with AMRAAM using the buffer connector and the missile umbilical connector, and supplies the power in lieu of the aircraft for off-aircraft BIT and reprogramming operations.

(3) AMRAAM to Container. USN/USMC AUR containers include the CNU-415A/E, B/E, C/E (tactical missiles) and the CNU-555/E (CATMs).

5. New Features, Configurations, or Material. Since the last release of the AMRAAM NTSP, the AIM-120C-4/-5/-6 configurations have been released for Fleet issue. The AIM-120C-4 introduced the new AMRAAM warhead with increased lethality. The AIM-120C-5 introduced the new AMRAAM propulsion section and control actuation section that yielded improved range performance. The propulsion section was lengthened to accommodate a longer rocket motor, while the control actuation section was shortened to keep the overall length of the missile the same. The AIM-120C-6 introduced a new Target Detection Device (TDD).

H. CONCEPTS

1. Operational Concept. AMRAAM is employed by the aircrew of F/A-18C/D/E/F aircraft, and in the future, will be employed by the aircrew of JSF aircraft. It is used in air-to-air combat evolutions against enemy aircraft and cruise missiles. The host aircraft radar, missile radar, and data link are used to acquire and track single or multiple targets. With the introduction of the Joint Helmet Mounted Cueing System (JHMCS) and the release of AMRAAM Tape 7 Revision 25, aircrew will be able to use the JHMCS to acquire targets in the high off-boresight regime.

2. Maintenance Concept. Maintenance of AMRAAM employed on various aircraft is accomplished using the basic maintenance philosophy outlined in OPNAVINST 4790.2 (series), and specific weapons maintenance instructions outlined in OPNAVINST 8000.16 (series).

a. Organizational-level.

(1) Navy.

(a) Aviation Ordnance. Squadron personnel with the Aviation Ordnanceman (AO) rating perform organizational-level maintenance for air-launched weapons. AOs with Navy Enlisted Classification (NEC) 8342 and 8842 perform organizational-level maintenance for air-launched weapons on the F/A-18A/B/C/D model aircraft, while AOs with NEC 8341 and 8841 perform organizational-level maintenance for air-launched weapons on the F/A-18E/F model aircraft. These squadron AOs are part of Work Center 230. AMRAAM organizational-level maintenance consists of performing (see OPNAVINST 8000.16 Volume 2, Figure 1-2-1 and 7-2-2):

- Aircraft Armament Equipment (AAE) preparation/inspection
- Aircraft weapons release and control systems checks,
- Return launcher to AIMD,
- Missile visual inspection for damage and corrosion,
- Missile cleaning of external surface and corrosion control,
- Remove and install protective devices,
- Visual inspection of missile launcher assembly interface,
- Uploading and downloading missile on aircraft,
- Attaching wings and fins,
- Missile BIT checks via aircraft avionics.

(b) Aviation Electronics. In most cases on the F/A-18 aircraft, Aviation Electronics Technicians (ATs) perform aircraft weapons release and control systems checks. ATs with NEC 8342 and 8842 perform weapons release and control systems checks for air-launched weapons on the F/A-18A/B/C/D aircraft, while ATs with NEC 8341 and 8841 perform weapons release and control systems checks for air-launched weapons on the F/A-18E/F aircraft. 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. The AN/AWM-54 Aircraft Firing Circuit Test Set is used to test for stray voltage in aircraft weapons circuits prior to loading ordnance. The AN/AWM-96 Aircraft Weapons Control Test Set is used to test the functionality of the aircraft weapons circuit prior to loading AMRAAM.

(2) Marine Corps.

(a) Aviation Ordnance. Squadron personnel with the AO rating perform organizational-level maintenance for air-launched weapons. USMC AO personnel with Military Occupational Specialty (MOS) 6531 perform organizational-level maintenance for air-launched weapons on the F/A-18 aircraft. AMRAAM organizational-level maintenance consists of performing (see OPNAVINST 8000.16 Volume 2, Figure 1-2-1 and 7-2-2):

- AAE preparation/inspection

- Aircraft weapons release and control systems checks,
- Return launcher to MALS,
- Missile visual inspection for damage and corrosion,
- Missile cleaning of external surface and corrosion control,
- Remove and install protective devices,
- Visual inspection of missile launcher assembly interface,
- Uploading and downloading missile on aircraft,
- Attaching wings and fins,
- Missile BIT checks via aircraft avionics.

b. Intermediate-level.

(1) Navy.

(a) Air Launched Weapons. Weapons Department personnel with the AO rating and NEC 6801 perform intermediate-level maintenance for air-launched weapons. AMRAAM and CATM intermediate-level maintenance is accomplished ashore and afloat. Station Weapons personnel will perform AMRAAM and CATM intermediate-level maintenance tasks ashore on Naval Air Stations (NAS). Weapons Department personnel (G3 Division) perform AMRAAM and CATM intermediate-level maintenance tasks aboard USN aircraft carriers (CV/CVN). These Weapons Department personnel are part of Work Center 700. AMRAAM and CATM intermediate-level maintenance consists of (see OPNAVINST 8000.16 Volume 2, Figure 1-3-1):

- Storing and handling AUR missiles and AUR containers using support equipment,
- Unpacking and packing AUR missiles,
- Performing visual inspections of AUR missiles and AUR containers,
- Delivering missile to flight line/flight deck,
- Missile BIT checks via the AN/GYQ-75A(V) CFMRE
- Loading (reprogramming) missile software using CFMRE
- Cleaning and corrosion control of AUR missiles,
- Preservation and painting,
- Removing and replacing specified parts of AUR missiles and AUR containers,
- Record keeping/reporting.

AMRAAM reprogramming capability is planned ashore and aboard aircraft carriers using the AN/GYQ-75A(V) CFMRE. Originally, this task was

performed by tiger teams sent out by the program office. Software updates occur approximately every two years. AMRAAM missile software is classified and requires proper handling during BIT/reprogramming operations.

(b) Strike Armament. AIMD personnel with the AO rating and NEC 6802 perform intermediate-level maintenance on the aircraft launchers. Intermediate-level maintenance for the LAU-116A/A and LAU-127A/A is accomplished ashore at NAS and afloat aboard USN CV/CVN. Strike armament intermediate-level maintenance, with respect to AMRAAM capable launchers, consists of (see OPNAVINST 8000.16 Volume 2, Figure 7-3-2):

- Storing, handling, and issuing launchers,
- Performing visual inspections,
- Removing and replacing replaceable assemblies,
- Testing launchers using A/E37T-35 CRALTS.

(2) Marine Corps.

(a) Air Launched Weapons and Launchers. MALS personnel with the AO rating and MOS 6541 perform intermediate-level maintenance for air-launched weapons and aircraft launchers. AMRAAM, CATM, and related launcher intermediate-level maintenance will be accomplished ashore at Marine Corps Air Stations (MCAS). AMRAAM, CATM and aircraft launcher intermediate-level maintenance consists of (see OPNAVINST 8000.16 Volume 2, Figure 1-3-1 and 7-3-2):

- Storing and handling AUR missiles and AUR containers using support equipment,
- Unpacking and packing AUR missiles,
- Performing visual inspections of AUR missiles and AUR containers,
- Delivering missile to flight line/flight deck,
- Missile BIT checks via the AN/GYQ-75A(V) CFMRE
- Loading (reprogramming) missile software using CFMRE
- Cleaning and corrosion control of AUR missiles,
- Preservation and painting,
- Removing and replacing specified parts of AUR missiles and AUR containers,
- Record keeping/reporting.
- Storing, handling, and issuing launchers,
- Performing visual inspections,
- Removing and replacing replaceable assemblies,

- Testing launchers using A/E37T-35 CRALTS.

AMRAAM reprogramming capability is planned ashore and aboard aircraft carriers using the AN/GYQ-75A(V) CFMRE. Originally, this task was performed by tiger teams sent out by the program office. Software updates occur approximately every two years. AMRAAM software is classified and requires proper handling during BIT/reprogramming operations.

c. All-Up-Round Depot-level. Effective in Lot 12 (April 1998), Raytheon assumed Total System Performance Responsibility (TSPR), which includes all activities necessary to design, produce, warrant, and sustain the missile and to perform engineering and support tasks for non-missile system items. This overall scope of responsibility is referred to as TSPR. Specific logistics responsibilities include depot repair of the missile, CFMRE, AIU, Navy CATM, and containers. Previously, NWS Yorktown, Virginia, and NWS Fallbrook, California, were the AUR depot-level maintenance activities. Raytheon's responsibility includes coordination of armament section and propulsion section repairs at the appropriate facilities.

e. Interim Maintenance. Not Applicable (NA).

f. Life-Cycle Maintenance Plan. The AMRAAM Product Support Management Plan (PSMP), document number MS-001, was last updated and approved in January 2002. Section 2.3 describes Navy maintenance planning. Serviceable-In-Service-Time (SIST) applies to USN missiles. SIST is the period of time an air launched guided missile may remain in operational use and or storage before its internal electronic and mechanical components require mandatory tests or maintenance actions to validate suitability for further operational use. Each USN AUR has a maintenance due date consisting of the calendar month and year that the SIST expires. SIST for USN assets is published in OPNAVINST 8000.16 (series), Appendix B.

3. Manning Concept. AMRAAM had no direct impact on existing manpower requirements at organizational, intermediate, or depot-level activities. F/A-18 pilot and Weapons and Sensor Officer (WSO) manpower is driven by seat factor and crew ratio. Manning for USN and USMC fleet squadrons, USMC Training Squadrons, USN Fleet Replacement Squadrons (FRS), and intermediate maintenance activities is based on the total assigned workload, not only on specific AMRAAM requirements. Maintenance skills required to support AMRAAM are considered to be within the capability of personnel holding existing NEC codes and MOS.

Indirectly, AMRAAM did impact organizational and intermediate level workloads. Pilots and WSOs now have an additional weapon system for qualification. Specifically, the Navy Squadron Training Matrices of the combined instruction COMNAVAIRPACINST 3500.67C and COMNAVAIRLANTINST 3500.63C for the F/A-18 aircraft and the Marine Corps Aviation Training and Readiness Manual (MCO P3500.15B) for the F/A-18 aircraft were used to estimate peacetime manpower requirements for AMRAAM. These instructions/orders provide annual aircrew training requirements, which include events that involve captive carry

and live fire of ordnance. The F/A-18 community relies heavily on the embedded training provided by the aircraft electronics. The training events that involve AMRAAM are event numbers 18 and 21, AIM-120 Valid Shot and A/A Radar Live Shot, respectively. The AIM-120 valid shot is required five times every thirty days, using the embedded training capability of the aircraft's electronics. The air-to-air radar missile live shot is required once every three years per aircrewman, and can be satisfied by shooting AMRAAM or AIM-7 Sparrow. These AMRAAM qualification requirements are additive to other aircraft and weapon qualification events, and thus increase the workload for F/A-18 aircrewman. The increasing list of mission areas and associated weapons for the F/A-18 aircraft poses a challenge to aircrew personnel, who not only must be properly trained in these areas, but also must retain those knowledge and skills.

Similarly, F/A-18 aviation ordnancemen must remain qualified to handle and load AMRAAM. Conventional Weapons Technical Proficiency Inspection (CWTPI) are required regularly for squadron AOs. AMRAAM is additive to the list of other ordnance/stores that are part of the CWTPI, and thus increases the workload for F/A-18 AOs. Additionally, the fleet introduction of AMRAAM included a new launcher, the LAU-127. The addition of another launcher to the USN and USMC inventory added to the intermediate-level maintenance workload because of the inevitable preventative/corrective maintenance actions associated with the LAU-127. The increasing list of ordnance and associated launchers and support equipment poses a challenge to AO personnel, who not only must be properly trained in these areas, but also must retain those knowledge and skills. Refer to Part II for existing USN and USMC maintenance manpower requirements.

a. Organizational-level Maintenance. Loading AMRAAM requires five AOs. One load crew can perform the required upload-download cycles per year for an F/A-18C/D/E/F squadron.

b. Intermediate-level Maintenance. Three AOs are required to unpack, inspect, and deliver AMRAAM to the flight line/flight deck. One team of three AOs can perform the required unpacking-packing evolutions per year to support F/A-18C/D/E/F squadrons.

c. Depot-level Maintenance. Depot-level maintenance, both AUR and component repair, is the responsibility of Raytheon. This maintenance is supported through TSPR.

4. Training Concept. The AMRAAM training concept is divided into operator and maintenance training. Operator training is provided for F/A-18 pilot and WSO personnel. The AMRAAM 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-18A/B/C/D/E/F community with NECs 8341, 8342, 8841, 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 (NAMTRAGRU) schools, 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" School, graduates attend the appropriate Initial "C" School for additional specific training. Initial "C" School training is intended for students with a paygrade of E-4 and below. Career "C" School training is provided for E-5 personnel and above to enhance skills and knowledge within their field.

a. Initial Training. Initial training for the AIM-120A and AIM-120B was conducted in FY93 and FY95, respectively. Initial training for the AIM-120C was deemed unnecessary, because the only significant change was the smaller wings and fins. The smaller fins still attach with locking nuts, however, the locking nuts tighten in a counter-clockwise direction, which is the opposite direction of the locking nuts on the AIM-120A/B fins. These differences are addressed in the applicable technical manuals and checklists. AMRAAM BIT and reprogramming tasks are transitioning from mobile, deployable teams to USN/USMC Weapons Department personnel. Training equipment and initial training to support the transfer are planned to begin in FY03.

b. Follow-on Training. Follow-on training for AMRAAM is available as part of courses taught at the FRS, Strike Fighter Weapons School (SFWS) Atlantic and Pacific, Naval Strike and Air Warfare Center (NSAWC), Naval Aviation Maintenance Training Units (NAMTRAU), Naval Aviation Maintenance Training Group Detachments (NAMTRAGRUDET), and Naval Aviation Maintenance Training Marine Corps Units (NAMTRAMARU). The addition of AMRAAM into existing training tracks caused no change in student throughput or chargeable student billets. Follow-on training courses have been modified to include AMRAAM and are currently available.

(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 the SFWS, NSAWC, and through on-board proficiency training.

(a) Training Devices (TDs). The TDs required for follow-on and proficiency operator training include the Weapon and Tactics Trainer (WTT), TD number 2E7, and the JAIM-120 (series). The JAIM-120 (series) assets are required for live-fire exercises,

which are part of the annual Non-Combat Expenditure Allocation (NCEA). Additionally, the F/A-18 aircraft includes embedded training capability using its onboard computers.

- **F/A-18 Embedded Training.** The F/A-18 (series) aircraft contains embedded training for AMRAAM, permitting simulated weapon firings without tactical or training stores loaded. The aircraft's mission computers, in conjunction with the Stores Management System, Master Arm circuit, radar and other sensors, can allow aircrew to select track files, toggle AMRAAM launch modes, simulate a missile launch, then support a simulated missile fly-out through symbology presented on the HUD and DDI. This embedded training permits the pilots to perform AMRAAM re-qualification every thirty days.

- **Weapons Tactics Trainer, 2E7.** The Weapon Tactics Trainer (WTT), TD number 2E7, is a computer-based weapon system training device developed for use by F/A-18C/D/E/F aircrews. The WTT is commonly referred to as the "dome trainer". F/A-18C/D/E/F WTTs are located at NAS Lemoore, NAS Oceana, and MCAS Miramar. They are presently concurrent with SCS 15C and 18E. The WTT provides familiarization in F/A-18C/D/E/F operational procedures and F/A-18C/D/E/F approved stores and missiles, as well as proficiency training in launch and control techniques. The F/A-18C/D WTT SCS17C updates are planned, but not funded.

- **Tactical Operational Flight Trainer.** The F/A-18C/D/E/F Tactical Operational Flight Trainer (TOFT) uses a three-panel visual system and can be networked with other TOFT. Presently, two F/A-18C/D TOFT are located at NAS Lemoore and NAS Oceana. They are presently concurrent with SCS 15C. The TOFT provides familiarization in F/A-18C/D/E/F operational procedures and F/A-18C/D/E/F approved stores and missiles, as well as proficiency training in launch and control techniques. The F/A-18C/D TOFT SCS 17C updates are planned, but not funded.

- **Special Test, Air-launched, Aerial Intercept Guided Missile (JAIM).** JAIM-120A, JAIM-120B, and JAIM-120C are telemetry-configured missiles that provide the Services the ability to evaluate the capabilities of the operational forces using inventory weapons and weapons systems in a realistic environment. In these configurations, the armament section is replaced with a telemetry section that measures/records missile performance data and relays it (encrypted) to ground stations via a data link. The telemetry section also contains a tracking transponder and a flight termination system. Currently, live fire shots are being limited to eleven per year.

(b) Training Aids. The AMRAAM Interactive Courseware (ICW) is a component of the Strike Fighter Weapons and Tactics (SFWT) curricula, and is hosted on the Strike Fighter Training System (SFTS) also known as Strike Fighter On-Line. 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 is a high-speed, wide area network, linking schools and squadrons together with standardized, Computer-Based Training (CBT) and ICW. Strike Fighter Tactics Instructors

(SFTIs), the third component of the SFTP, are trained by NSAWC N7 (Topgun) and administer the SFWT curricula within the squadrons. AMRAAM ICW was developed for the SFTS by NSAWC and NAVAIRSYSCOM PMA205 and PMA259. Initial release of the AMRAAM ICW occurred in August 1998, and was distributed via Compact Disk-Read Only Memory (CD-ROM). The ICW was converted to a web-based format and updated in 2001. For detailed information on AMRAAM ICW (training aid) refer to element IV.B.2.

(c) **Courses.** The following table lists the applicable operator training courses. AMRAAM source material has been incorporated, which caused no change in student throughput or chargeable student billets. These courses are listed for reference only and, therefore, will not appear in Parts II and III of this document. See NTP A-50-7703 for course details.

Table I-2. Operator Courses

| COURSE NUMBER | COURSE TITLE | RFT DATE FOR AMRAAM |
|----------------------|--|----------------------------|
| D/E-2A-0601 | F/A-18 Fleet Replacement Pilot Category 1 | On-line |
| D/E-2A-0604 | F/A-18 Fleet Replacement Pilot Category 2A | On-line |
| D/E-2A-0602 | F/A-18 Fleet Replacement Pilot Category 3A | On-line |
| D/E-2A-0606 | F/A-18 Fleet Replacement Pilot Category 4 | On-line |
| None | F/A-18 Strike Fighter Advanced Readiness Program | On-line |
| None | F/A-18 Strike Fighter Weapons Employment | On-line |
| None | SFWT AMRAAM Brief | On-line |
| M13P4B3 | F/A-18D Fleet Replacement Pilot Basic and Transition | On-line |
| M13P3V3 | F/A-18D Fleet Replacement Pilot Refresher | On-line |
| M13P3W3 | F/A-18D Fleet Replacement Pilot Modified Refresher | On-line |
| M13P4C3 | F/A-18D WSO Basic and Transition | On-line |
| M13P3R3 | F/A-18D WSO Refresher | On-line |
| M13P3S3 | F/A-18D WSO Modified Refresher | On-line |

(2) **Initial Skills - Maintenance.** AMRAAM initial skills training for the AO rating are provided by the “A” School at NAS Pensacola, Florida.

(a) **TDs.** The CATM-120 series is the TD required for AMRAAM initial skills maintenance training. The CATM-120 series is shipped in its own shipping container, the CNU-555/E. For detailed information on the CATM-120 series and CNU-555/E, refer to element IV.A.2.

- **Captive Air Training Missile.** The CATM-120 (series) are inert TDs that provide realistic handling characteristics when loaded in place of tactical

AMRAAM; however, these training missiles have not been cleared nor certified for flight. Current F/A-18 Operational Flight Programs do not recognize the CATM-120 series and register a “LOAD X” condition.

- **CNU-555/E container.** The AMRAAM CATM AUR container is required to teach and practice unpacking/packing evolutions, as well as, container maintenance.

(b) Technical Training Equipment (TTE).

- **LAU-116A/A launcher.** The LAU-116A/A is required to teach and practice AMRAAM release and control checks, AMRAAM loading, and launcher maintenance.

- **LAU-127A/A launcher.** The LAU-127A/A is required to teach and practice AMRAAM release and control checks, AMRAAM loading, and launcher maintenance.

(c) Training Aids.

- **AMRAAM Loading & Handling ICW.** The AMRAAM Loading & Handling ICW is a self-paced software application that runs on standard PCs. It provides AMRAAM familiarization, as well as media rich presentations of organizational and intermediate level tasks.

(d) Courses. AMRAAM source material has been incorporated into the following courses with minimal impact. The AMRAAM caused no change in student throughput or chargeable student billets, and, therefore, these courses will not appear in Parts II and III.

Table I-3 Initial Skills - Maintenance Courses

| COURSE NUMBER | COURSE TITLE | RFT DATE FOR AMRAAM |
|----------------------|--|----------------------------|
| C-646-2011 | Aviation Ordnanceman Common Core Class A1 | On-line |
| C-646-2012 | Aviation Ordnanceman Navy Difference Training Class A1 | On-line |

(3) Organizational-level Maintenance. Organizational-level maintenance personnel are trained at the appropriate MTU for specific aircraft/weapon loading and maintenance. Weapon loading skills are further enhanced at SFWS, and through on-board proficiency training.

(a) **TDs.** TD required for follow-on and proficiency training is the AMRAAM Captive Carry Reliability Vehicle (CCRV).

- **AMRAAM CCRV.** The AMRAAM CCRV is a tactical missile with inert armament and propulsion sections. It is used at SFWSL and SFWSP for the AMRAAM CWTPI because it allows post-load BIT to complete the AMRAAM loading checklist. For detailed information on the AMRAAM CCRV, refer to element IV.A.2.

(b) **TTE.**

- **LAU-116A/A launcher.** The LAU-116A/A is required to teach and practice AMRAAM release and control checks, AMRAAM loading, and launcher maintenance.

- **LAU-127A/A launcher.** The LAU-127A/A is required to teach and practice AMRAAM release and control checks, AMRAAM loading, and launcher maintenance.

- **AN/AWM-96 Test Set.** The AN/AWM-96 is required to teach and practice AMRAAM/LAU-127 release and control checks.

- **AN/AWM-103 Test Set.** The AN/AWM-103, known as the Common O-level Armament Support Tester (COAST), will begin production in October 2002 at the rate of 25 per month. This launcher test set will replace several existing launcher test sets including the AN/AWM-96.

(c) **Training Aids.**

- **AMRAAM Loading & Handling ICW.** The AMRAAM Loading & Handling ICW is a self-paced software application that runs on standard PCs. It provides AMRAAM familiarization, as well as media rich presentations of organizational and intermediate level tasks.

(d) **Courses.** AMRAAM is taught in the following organizational-level maintenance training courses. AMRAAM source material was incorporated in these courses with minimal impact, and caused no change in student throughput or chargeable student billets, and, therefore, these courses will not appear in Parts II and III. See NTP A-50-7703 for organizational-level maintenance training course details.

Table I-4. Organizational-level Maintenance Courses.

| COURSE NUMBER | COURSE TITLE | RFT DATE FOR AMRAAM |
|----------------------|--|----------------------------|
| C-646-9973 | F/A-18 Stores Management System (Initial) Organizational Maintenance | On-line |
| C-646-9974 | F/A-18 Stores Management System (Career) Organizational Maintenance | On-line |
| D/E-646-0640 | F/A-18 Conventional Weapons Loading | On-line |
| D/E-646-0647 | F/A-18 Conventional Release System Test | On-line |

(4) Intermediate-level Maintenance. Intermediate-level maintenance training is available for USN and USMC AOs through the appropriate Maintenance Training Unit (MTU). The addition of AMRAAM BIT and reprogramming training is driving additional TTE and training aid requirements.

(a) TDs.

- **CATM-120.** The CATM-120 series is required for follow-on and proficiency training. See I.H.4.(2)(a) for description. For detailed information on the CATM-120 series, refer to element IV.A.2.

(b) TTE.

- **CNU-555/E container.** The AMRAAM CATM AUR container is required to teach and practice unpacking/packing evolutions, as well as, container maintenance.

- **AN/GYQ-75A(V) CFMRE.** Currently, CFMRE is required to teach and practice AMRAAM BIT and reprogramming; however, new missile designs are driving BIT and reprogramming requirements that CFMRE can not support. A decision will be made whether to replace the current CFMRE with a “new start” CFMRE or change to the “improved” Common Munitions BIT Reprogramming Equipment (CMBRE). Technical analysis for the decision is due from Raytheon on 30 September 2002. Once the decision is made, this NTSP will be updated to reflect the appropriate TTE.

- **LAU-116A/A launcher.** The LAU-116A/A is required to teach and practice launcher disassembly/assembly and maintenance.

- **LAU-127A/A launcher.** The LAU-127A/A is required to teach and practice launcher disassembly/assembly and maintenance.

- **A/E37T-35 CRALTS.** CRALTS is required to teach and practice testing the LAU-116A/A and LAU-127A/A launchers.

(c) Training Aids.

- **CFMRE Embedded Training Aid.** In order to teach and practice AMRAAM BIT and reprogramming using CFMRE, the CFMRE Embedded Training Aid is used. It is an unclassified software application that resides on a PC card and simulates all the screens and interaction commensurate with performing AMRAAM BIT and reprogramming using the AN/GYQ-75A(V) CFMRE.

- **AMRAAM Loading & Handling ICW.** The AMRAAM Loading & Handling ICW is a self-paced software application that runs on standard PCs. It provides AMRAAM familiarization, as well as media rich presentations of organizational and intermediate level tasks.

(d) Courses. The following table lists intermediate-level maintenance training courses that have AMRAM source material incorporated. Detailed listings for these courses follow the table. AMRAAM caused no change in student throughput or chargeable student billets. These courses appear in Parts II, III, and IV as part of their respective tracks. For detailed information refer to element IV.A.2. The applicable MTRRs for these courses are the 700/900 Division MTRRs – one is held for each service (USN and USMC).

Table I-6. Intermediate-level Maintenance Courses.

| COURSE NUMBER | COURSE TITLE | AMRAAM RFT DATE |
|----------------------|---|------------------------|
| C-122-3111 | Air Launched Guided Missiles Intermediate Maintenance | On-line |
| C-646-3105 | Aviation Ordnance Intermediate Maintenance Technician | On-line |
| C-646-3118 | Strike Armament Systems Intermediate Maintenance | On-line |
| C-646-4108 | Air Launched Weapons Ordnance Supervisor | On-line |
| C-646-4109 | Weapons Department General Aviation Ordnance | On-line |

Title **Air Launched Guided Missiles Intermediate Maintenance**
CIN C-122-3111 (part of D/E-646-7007)
Model Manager. MTU 4035, NAMTRAU NAS Whidbey Island
Description..... This course provides training to the first tour Aviation Ordnancemen, Gunner's Mates and Torpedoman's Mates, including:

- Basic theory
- Safety precautions
- Technical publications
- Missile reporting procedures

Upon completion, the student will have sufficient knowledge/theory of the Sparrow, Phoenix, Sidewinder, Sidearm, AMRAAM, Maverick, Harpoon, SLAM, HARM, Tow, Hellfire, Penguin All Up Round (AUR) Air Launched Guided Missiles, Walleye Weapon System, Tactical Air Launched Decoy (TALD) and Air Nitrogen Purifier Units to perform, under close supervision, Intermediate Maintenance in the CV/CVN, LPH/LHA, NAS/MCAS working environment.

Locations MTU 4030, NAMTRAGRU DET, NS Mayport
MTU 4032, NAMTRAU, NAS Norfolk
MTU 4033, NAMTRAU, NAS North Island
MTU 4035, NAMTRAU, NAS Whidbey Island

Length..... 47 days
RFT date Currently available
Skill identifier ... AO 6801
TD/TTE CATM-120, AN/GYQ-75A(V) or similar, CNU-555/E
Prerequisite AO, GMG, TM, or Graduate of AO (ClassA1) School or equivalent or designated striker

Title **Aviation Ordnance Intermediate Maintenance Technician**
CIN C-646-3105 (part of M-646-7026)
Model Manager. MTU 4034, MARTRAU MCAS Cherry Point, North Carolina
Description..... This course provides training to USMC ordnance personnel, including:

- Basic theory
- Safety precautions
- Technical publications
- Missile/launcher reporting procedures

 Upon completion, the student will have sufficient knowledge/theory to be able to work on ordnance/armament in the MALS environment.

Locations MTU-4034 NAMTRAMARU MCAS Cherry Point, North Carolina
Length..... 81 days
RFT date Currently available
Skill identifier ... MOS 6541
TD/TTE CATM-120, AN/GYQ-75A(V) or similar, CNU-555/E, LAU-116A/A, LAU-127A/A, A/E37T-35
Prerequisite C-646-2011 Aviation Ordnanceman Common Core Class A1

| | |
|----------------------|--|
| Title | Strike Armament Systems Intermediate Maintenance |
| CIN | C-646-3118 (part of D/E-646-7001) |
| Model Manager. | MTU 4033, NAMTRAU, NAS North Island |
| Description..... | This course provides training to Aviation Ordnance Technicians, including: <ul style="list-style-type: none"> • Operational checkout procedures • Corrosion control • Troubleshooting procedures • Periodic maintenance procedures • Component removal, repair, replacement procedures • Use of special tools and test equipment • Use of publications • Use of safety and administrative procedures applicable to aircraft armament equipment items <p>Upon completion of this course, the student will be able to perform work on aircraft armament equipment in the Aircraft Intermediate Maintenance Department environment under limited supervision.</p> |
| Locations | MTU 4032, NAMTRAU, NAS Norfolk MTU 4033, NAMTRAU, NAS North Island |
| Length..... | 65 days |
| RFT date | Currently available |
| Skill identifier ... | AO 6802 |
| TD/TTE | LAU-116A/A, LAU-127A/A, A/E37T-35 |
| Prerequisite | Graduate of AO "A" School or designated AO striker |

Title **Air Launched Weapons Ordnance Supervisor**
CIN C-646-4108 (part of D/E-646-7007)
Model Manager. MTU 4032, NAMTRAU, NAS Norfolk
Description..... This course provides training to the second tour Aviation Ordnancemen, including:

- Introduction to Weapons Department Administration,
- Introduction to Improved Rearming Rate System (IRRS), Magazines and Armament/Weapons Support Equipment,
- Air Launched Weapons Configurations and Equipment
- Introduction to Rockets, Cluster Bombs, Mines and Sound Underwater Signals
- Introduction to Pyrotechnics, Linkless Ammunition Loading System (LALS) and Missile

Upon completion of this course, officers and senior enlisted personnel will have sufficient knowledge of NAS, CV/CVN and Amphibious Aviation Ordnance administration and the IRRS, including all conventional munitions, associated equipment, magazines, handling procedures and related safety precautions to perform as supervisors on a NAS, CV/CVN or Amphibious Weapons Department.

Locations MTU 4030, NAMTRAGRUDET, NS Mayport
 MTU 4032, NAMTRAU, NAS Norfolk
 MTU 4033, NAMTRAU, NAS North Island
 MTU 4035, NAMTRAU, NAS Whidbey Island
Length..... 17 days
RFT date Currently available
Skill identifier ... AO 6801
TD/TTE NA
Prerequisite Graduate of AO (ClassA1) School or equivalent and E4-E7

| | |
|---------------------|--|
| Title | Weapons Department General Aviation Ordnance |
| CIN | C-646-4109 (stand-alone course) |
| Model Manager. | MTU 4033, NAMTRAU NAS North Island |
| Description..... | This course provides training to the first tour Aviation Ordnancemen, Gunner's Mates and Torpedoman's Mates, including: <ul style="list-style-type: none"> • Basic theory • Safety precautions • Technical publications • Missile reporting procedures • Introduction to Weapons Department, Ammunition Magazines, Shoring, Stowage and Handling Equipment • Introduction to Air Launched Weapons <p>Upon completion of this course, the Aviation Ordnanceman assigned to Shipboard, Shoreboard, and Shore Combatant Weapons Departments as conventional weapons handlers, will have the sufficient knowledge and skills of procedures and safety requirements for receiving, transferring and storing conventional weapons, assembly and disassembly of bombs and rockets, loading and unloading flare and rocket launchers and the linkless ammunition loading system, and the canning and decanning of miscellaneous ordnance, in accordance with applicable publications, while working under minimum supervision in a shipboard or shore environment.</p> |
| Locations | MTU 4030, NAMTRAGRUDET, NS Mayport MTU 4032, NAMTRAU, NAS Norfolk MTU 4033, NAMTRAU, NAS North Island MTU 4035, NAMTRAU, NAS Whidbey Island |
| Length..... | 12 days |
| RFT date | Currently available |
| Skill identifier... | N/A |
| TD..... | CATM-120, CNU-555/E |
| Prerequisite | AO, GMG, TM, or Graduate of AO (ClassA1) School or equivalent or designated striker |

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

(a) TDs. TDs required for EOD training are the Practical Explosive Ordnance Disposal System Trainer (PEST).

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

The AMRAAM PEST is a full-scale model of the tactical AMRAAM, containing inert versions of explosive train components. The AMRAAM PEST possesses the same weight and center of gravity characteristics as the tactical missile. The AMRAAM PEST is used to practice the AMRAAM Render Safe Procedures (RSPs). For further details on TDs see element IV.A.2.

(b) Courses. The following EOD courses have been modified to include the AIM-120A, AIM-120B, and AIM-120C AMRAAM. AMRAAM caused no change in student throughput or chargeable student billets, and, therefore, these courses do not appear in Parts II and III.

Table I-7. EOD Courses

| COURSE NUMBER | COURSE TITLE | RFT DATE FOR AMRAAM |
|----------------------|---|----------------------------|
| A-431-0011 | Explosive Ordnance Disposal (EOD) Phase II (Navy) | On-line |
| A-431-0012 | Explosive Ordnance Disposal (EOD) Phase II | On-line |
| G-431-0001 | EOD Pre-deployment Team Training | On-line |

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

Table I-8. AMRAAM Student Profiles.

| RATING and NEC or MOS | TITLE | COMPONENT NEC or MOS |
|----------------------------------|---|---------------------------------|
| AO 8841 | F/A-18E/F System Organizational Apprentice Maintenance Technician | AO 0000 |
| AO 8341 | F/A-18E/F System Organizational Maintenance Technician | AO 8841 |
| AO 8842 | F/A-18 Armament System Organizational Apprentice Maintenance Technician | AO 0000 |
| AO 8342 | F/A-18 System Organizational Maintenance Technician | AO 8842 |
| AT 8842 | F/A-18 System Organizational Apprentice Maintenance Technician | AT 0000 |
| AT 8342 | F/A-18 System Organizational Maintenance Technician | AT 8842 |
| MOS 6531 | Aircraft Ordnance Technician (F/A-18) | 6511 |
| MOS 6541 | Aviation Ordnance Intermediate Maintenance Technician | 6511 |
| AO 6801 | Air Launched Weapons Technician | AO 0000 |
| AO 6802 | Strike Intermediate Armament Maintenceman | AO 0000 |

d. Training Pipelines. New training tracks were not required for AMRAAM. 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 were affected by the introduction of AMRAAM.

Training tracks and associated courses are available in the OPNAV Aviation Training Management System (OATMS). The following training tracks apply and are available in OATMS.

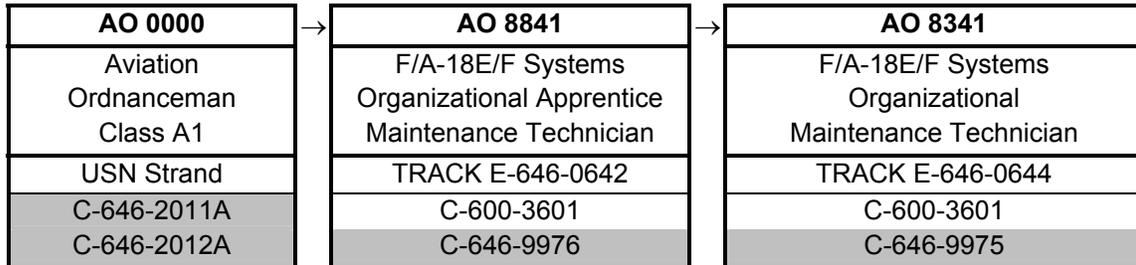


Figure I-2 USN F/A-18E/F Systems Organizational Maintenance Technician Career Progression

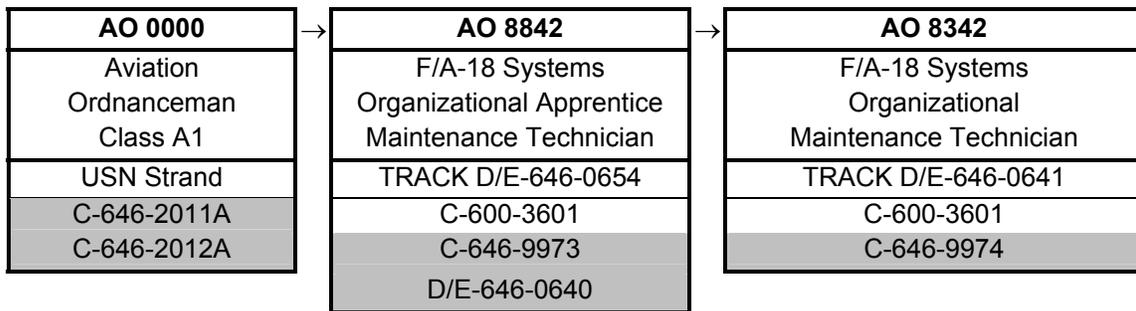


Figure I-3 USN F/A-18 Systems Organizational Maintenance Technician Career Progression

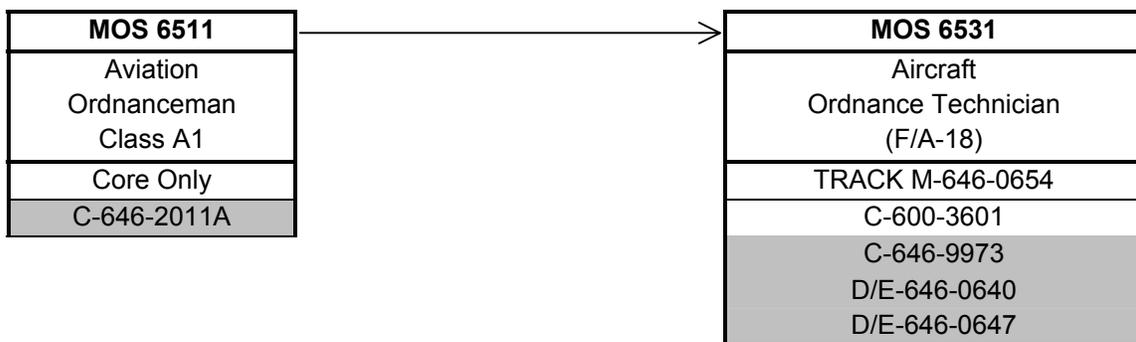


Figure I-4 USMC F/A-18 Aircraft Ordnance Technician Career Progression

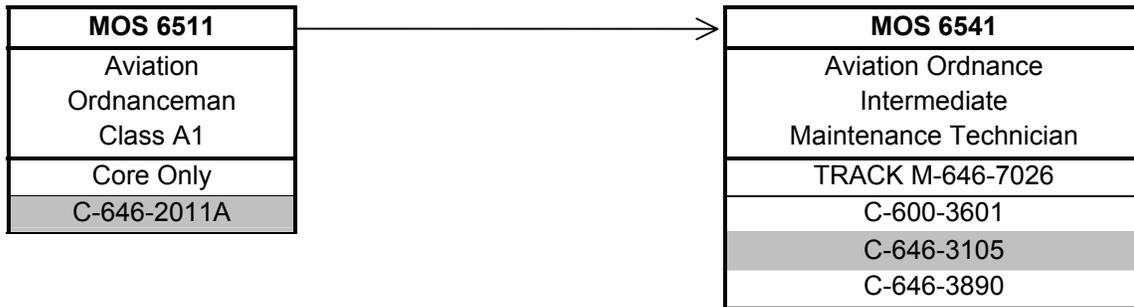


Figure I-5 Aviation Ordnance Intermediate Maintenance Technician Career Progression

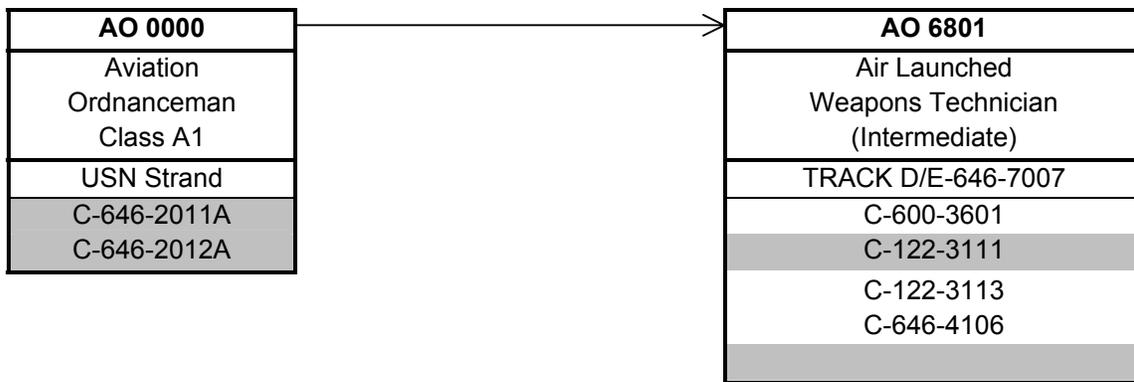


Figure I-6 Air Launched Weapons Technician Career Progression



Figure I-7 Strike Intermediate Armament Maintenceman Career Progression

I. ON-BOARD (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. The Aviation Maintenance Training Continuum System (AMTCS) will replace MTIP. AMTCS began Beta version testing of F/A-18 curricula in October 2000.

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

b. Aviation Maintenance Training Continuum System. AMTCS will provide career path training to the Sailor or Marine from their initial service entry to the end of their military career. AMTCS is planned to be an integrated system that will satisfy the training and administrative requirements of both the individual and the organization. The benefits will be manifested in the increased effectiveness of the technicians and the increased efficiencies of the management of the training business process. By capitalizing on technological advances and integrating systems and processes where appropriate, the right amount of training can be provided at the right time, thus meeting the Chief of Naval Operations' (CNO'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 Commercial off-the-shelf (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 (N789H), 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.

The Ammunition and Explosive Handling Qualification and Certification (QUAL/CERT) Program requires periodic, local QUAL/CERT events to be documented in a QUAL/CERT Record. These QUAL/CERT Records will be maintained physically at the local activity, but will be entered electronically into the ETJ for tracking purposes.

c. Strike Fighter Training Program. NSAWC, which includes Topgun (N7), Strike Fighter Weapons School Atlantic (SFWSL), Strike Fighter Weapons School Pacific (SFWS), and the Strike Weapons and Tactics School Atlantic (SWATSLANT), maintains 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 is taught by each squadron's SFTI, who is supported by SFTS, a multimedia computer-based training system that hosts CMI, CAI, CBT and ICW. Aircrew weapons proficiency training continues 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). See the SFTP NTSP, N88-NTSP-A-50-9906, for more information.

2. Personnel Qualification Standards. N/A.

3. Other On-Board or In-service Training Packages.

a. Marine Aviation Training Management Evaluation Program. Marine Corps on-board training is based on the current series of Marine Corps Order (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 Fighter Wing (FTRWING) and Strike Fighter Wing (STRKFTRWING). It is governed by the policy and procedures established by each Type Commander (TYCOM). 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 wire-check, upload and download conventional ordnance correctly, 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 or SWATSLANT, followed by the CWTPI. The CWTPI determines the need for further conventional weapons load training of squadron AO and Aviation Electronics Technician (AT) personnel at the appropriate SFWS.

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

d. Explosive Handling Qualification and Certification Program. The Ammunition and Explosive Handling QUAL/CERT Program is implemented by OPNAVINST 8020.14 and MCO P8020.11. To minimize the probability of mishap, the potential for personnel errors are controlled through training (qualification) coupled with a management process designed to prevent inadequately trained personnel from performing ammunition and explosives jobs/tasks (certification). Aviation Ordnancemen are required to perform periodic, local QUAL/CERT events in order to be authorized to handle ordnance. Results of these QUAL/CERT events are documented in a hardcopy QUAL/CERT Record and kept on file by the local activity.

J. LOGISTICS SUPPORT

1. Manufacturer and Contract Numbers. The following production contract numbers apply to the AIM-120C missiles.

Table I-9. Contract Numbers.

| CONTRACT NUMBER | MANUFACTURER |
|------------------|----------------------------------|
| F08626-94-C-0029 | Raytheon Missile Systems Company |
| F08626-94-C-0030 | Raytheon Missile Systems Company |

2. Program Documentation. The AMRAAM Product Support Management Plan (PSMP), document number MS-001, was developed by the JSPO and is updated by periodic revision. The latest PSMP was updated and approved in January 2002. The PSMP provides the latest maintenance and related logistics support planning data for all systems components.

3. Technical Data Plan. A joint USAF and USN Technical Management Review Board has been established and meets when deemed necessary or when requested by the Assistant Program Manager, Logistics (APML) or JSPO to determine Technical Manuals (TM) requirements. Naval Air Technical Services Facility is the data manager for the F/A-18 TMs, as well as the AIM-120 Fleet Intermediate Maintenance TM.

4. Test Sets, Tools, and Test Equipment. The AMRAAM program has placed special emphasis on the use of existing support equipment. The following is a list of test sets, tools, and equipment that are new and peculiar to the AMRAAM program at the organizational and intermediate maintenance levels.

Table I-10. Test Sets, Tools & Equipment.

| NOMENCLATURE | PART NUMBER | ACTIVITY |
|---|--------------------|-----------------|
| Tool, Fin Installation and Removal | SP548005-103 | CV, NAS, MCAS |
| Adapter Insert, Wing and Transport, ADU-628/E | 1700AS103 | CV, NAS, MCAS |
| CFMRE, AN/GYQ-75A(V) | 3187555 | CV, NAS, MCAS |

5. Repair Parts. The USAF is Executive Service for development, production, operation, and disposal of the AMRAAM weapon system. Warner Robins Air Logistics Center, Warner Robins AFB, Georgia, is assigned as the Primary Inventory Control Activity (PICA) for all common service multi-service AMRAAM items. The Naval Ordnance Center Inventory Management Systems Division, Naval Inventory Control Point (NAVICP), and NAVAIRSYSCOM are designated as the Secondary Inventory Control Activity (SICA). The SICA will stock and issue all necessary spare and repair parts for the missile and the launcher respectfully. NAVICP is the PICA for LAU-127 USN unique parts.

6. Human Systems Integration. No Human Systems Integration Plan was written for the AMRAAM.

K. SCHEDULES

1. Schedule of Events

a. Delivery Schedules. Final delivery of fleet AIM-120A and AIM-120B missiles is completed. The Material Support Date was attained in December 1996. The Navy Support Date is planned to be attained in FY98. Delivery of AIM-120C missiles and P³I missiles is planned through FY12.

b. Ready For Operational Use Schedule. The AIM-120A , AIM-120B, and AIM-120C Missiles are currently in use and considered operational upon delivery.

c. Time Required to Install at Operational Sites. NA.

d. Foreign Military Sales and Other Source Delivery Schedule. The USAF, as the executive service, is responsible for FMS. The AMRAAM is compatible with weapons systems currently being operated by several North Atlantic Treaty Organization allies and is included in the FMS program.

e. Training Device and Delivery Schedule. A total of 52 CATM-120Cs have been procured and delivered. A total of 156 CATM-120Bs have been procured and delivered. CFMRE requirements for intermediate level schools have been identified (see Part IV) and will be procured via the follow-on CFMRE acquisition contracts.

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 Weapons System NTSP | N88-NTSP-A-50-7703H/A | PMA265 | Approved Dec 01 |
| Joint Service PSMP, AMRAAM | MS-001 | PMA259 | Approved Jan 02 |
| Strike Fighter Training Program NTSP | N88-NTSP-A-50-9906/A | PMA205 | Approved May 02 |

PART II - BILLET AND PERSONNEL REQUIREMENTS

The following elements are not affected by the AIM-120 Advanced Medium Range Air-to-Air Missile and therefore are not included in Part II of this NTSP:

II.B. Personnel Requirements

11.B.3. Foreign, Other Service, and Non-Military Personnel Annual Training Input Requirement

NOTE 1: This section of the AIM-120 Advanced Medium Range Air-to-Air Missile NTSP reflects maintenance billet and personnel requirements for the AIM-120. It is a compilation of six organizational and two intermediate level NECs (AO 8341, 8342, and 8842 (F/A-18), and AO 6801 and organizational level MOS (6531 and 6541, respectively) with associated billets. The addition of the AIM-120 to the organizational and intermediate level workloads is only a small percentage of the required workload for those NECs and MOS. The NECs and MOS are not dedicated to the AIM-120 and, therefore, the overall training throughput for the NEC and MOS will remain the same, i.e., account for the total NEC/MOS community, and not just activities receiving AIM-120

NOTE 2: All billets identified in this section are programmed through other NTSPs, e.g., F/A-18 NTSP, applicable CV/CVN Class Total Ship NTSP, or applicable Shore Activity Manning Documents. The activities and associated billets are listed to assist the weapons training community in identifying and managing training requirements throughout the development, production and deployment of the AIM-120.

PART II - BILLET AND PERSONNEL REQUIREMENTS

II.A. BILLET REQUIREMENTS

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

SOURCE: USN: Total Force Manpower Management System, TFMMS **DATE:** 10/1/02
 USMC: Extracted from Table of Manpower Requirements, TFS MCCDC **DATE:** 10/1/02

| ACTIVITY, UIC | PFYs | CFY03 | FY04 | FY05 | FY06 | FY07 |
|--|-------------|--------------|-------------|-------------|-------------|-------------|
| OPERATIONAL ACTIVITIES - USMC | | | | | | |
| HMH 772 CH-53E | 09490 | 1 | 0 | 0 | 0 | 0 |
| HMH CH-53E (East Coast) | 00000 | 2 | 0 | 0 | 0 | 0 |
| HMLA 773 | 09431 | 1 | 0 | 0 | 0 | 0 |
| HMLA 773 DET | 00000 | 1 | 0 | 0 | 0 | 0 |
| HMLA 775 DET A | 09415 | 1 | 0 | 0 | 0 | 0 |
| HMLA AH-1/9 UH-1 (East Coast) | 00000 | 2 | 0 | 0 | 0 | 0 |
| HMM 774 CH-46 | 09430 | 1 | 0 | 0 | 0 | 0 |
| HMM CH-46E (East Coast) | 00000 | 5 | 0 | 0 | 0 | 0 |
| VMA AV-8B (East Coast) | 00000 | 3 | 0 | 0 | 0 | 0 |
| VMAQ EA-6B (East Coast) | 00000 | 4 | 0 | 0 | 0 | 0 |
| VMFA 321 | 67235 | 1 | 0 | 0 | 0 | 0 |
| VMFA F/A18 (East Coast) | 00000 | 4 | 0 | 0 | 0 | 0 |
| VMFA (AW) F/A 18 (East Coast) | 00000 | 3 | 0 | 0 | 0 | 0 |
| VMFA-142 | 67243 | 1 | 0 | 0 | 0 | 0 |
| VMM MV-22A | 00000 | 1 | 0 | 0 | 0 | 0 |
| HMH 769 CH-53E | 09487 | 1 | 0 | 0 | 0 | 0 |
| HMH CH-53D (West Coast) | 00000 | 3 | 0 | 0 | 0 | 0 |
| HMH CH-53E (West Coast) | 00000 | 4 | 0 | 0 | 0 | 0 |
| HMLA 775 | 55257 | 1 | 0 | 0 | 0 | 0 |
| HMLA AH-1/9 UH-1(West Coast) | 00000 | 4 | 0 | 0 | 0 | 0 |
| HMM 764 CH-46 | 09402 | 1 | 0 | 0 | 0 | 0 |
| HMM CH-46E (West Coast) | 00000 | 8 | 0 | 0 | 0 | 0 |
| MALS 41 (FW) | 03007 | 1 | 0 | 0 | 0 | 0 |
| VMA AV-8B (West Coast) | 00000 | 4 | 0 | 0 | 0 | 0 |
| VMFA 112 | 08954 | 1 | 0 | 0 | 0 | 0 |
| VMFA 134 | 09365 | 1 | 0 | 0 | 0 | 0 |
| VMFA F/A18 (West Coast) | 00000 | 4 | 0 | 0 | 0 | 0 |
| VMFA (AW) F/A18 (west Coast) | 00000 | 3 | 0 | 0 | 0 | 0 |
| TOTAL: | | 67 | 0 | 0 | 0 | 0 |
| FLEET SUPPORT ACTIVITIES - NAVY | | | | | | |
| AIROPS/NAVOSH PM Brunswick ME | 3193B | 1 | 0 | 0 | 0 | 0 |
| NAMTRAGRUDET Mayport | 66069 | 1 | 0 | 0 | 0 | 0 |
| ATG Norfolk | 30733 | 1 | 0 | 0 | 0 | 0 |
| AVORD MTT Norfolk | 48764 | 1 | 0 | 0 | 0 | 0 |
| COMNAVAIRLANT | 57012 | 1 | 0 | 0 | 0 | 0 |
| CSFWLD Beaufort | 3006A | 1 | 0 | 0 | 0 | 0 |
| LANTORDDDET | 31279 | 1 | 0 | 0 | 0 | 0 |
| NAF Mildenhall | 57032 | 1 | 0 | 0 | 0 | 0 |
| NAMTRAU Norfolk | 66046 | 1 | 0 | 0 | 0 | 0 |
| NAS Keflavik Iceland | 63032 | 1 | 0 | 0 | 0 | 0 |
| Naval Ordnance Center, Indian Head, MD | 68963 | 1 | 0 | 0 | 0 | 0 |

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

SOURCE: USN: Total Force Manpower Management System, TFMMS

DATE: 2/1/02

USMC: Extracted from Table of Manpower Requirements, TFS MCCDC

DATE: 2/1/02

| ACTIVITY, UIC | | PFYs | CFY03 | FY04 | FY05 | FY06 | FY07 |
|--|-------|------|-------|------|------|------|------|
| NAVSTKAIR TS | 39783 | 1 | 0 | 0 | 0 | 0 | 0 |
| NWS Charleston, SC | 00193 | 1 | 0 | 0 | 0 | 0 | 0 |
| USS Bataan LHD 5 | 21879 | 1 | 0 | 0 | 0 | 0 | 0 |
| USS Eisenhower CVN 69 | 03369 | 1 | 0 | 0 | 0 | 0 | 0 |
| USS Enterprise CVN 65 | 03365 | 1 | 0 | 0 | 0 | 0 | 0 |
| USS George Washington CVN 73 | 21412 | 1 | 0 | 0 | 0 | 0 | 0 |
| USS Harry S. Truman CVN 75 | 21853 | 1 | 0 | 0 | 0 | 0 | 0 |
| USS Iwo Jima LHD 7 | 23027 | 1 | 0 | 0 | 0 | 0 | 0 |
| USS John F. Kennedy CV 76 | 03367 | 1 | 0 | 0 | 0 | 0 | 0 |
| USS Kearsarge LHD 3 | 21700 | 1 | 0 | 0 | 0 | 0 | 0 |
| USS Nassau LHA 4 | 20725 | 1 | 0 | 0 | 0 | 0 | 0 |
| USS Ronald Reagan CVN-76 | 22178 | 1 | 0 | 0 | 0 | 0 | 0 |
| USS Roosevelt CVN 71 | 21247 | 1 | 0 | 0 | 0 | 0 | 0 |
| USS Saipan LHA 2 | 20632 | 1 | 0 | 0 | 0 | 0 | 0 |
| USS Wasp LHD 1 | 21560 | 1 | 0 | 0 | 0 | 0 | 0 |
| VFA 106 | | 1 | 0 | 0 | 0 | 0 | 0 |
| USS Copnstellation CV64 | 03364 | 1 | 0 | 0 | 0 | 0 | 0 |
| CNATRA CAU Kingsville TX | 49149 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAF El Centro | 60042 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAIRWPMMAINTUN 1 | 52821 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAMTRAU North Island | 66065 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAMTRAU Whidbey Island | 66058 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAS Lemoore | 63126 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAVBASE Point Mugu | 69232 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAWCWD (NWCF) | 63126 | 1 | 0 | 0 | 0 | 0 | 0 |
| NSUPFAC Diego Garcia | 68539 | 1 | 0 | 0 | 0 | 0 | 0 |
| USS B Richard LHD 6 | 22202 | 1 | 0 | 0 | 0 | 0 | 0 |
| USS Bella Wood LHA 3 | 20633 | 1 | 0 | 0 | 0 | 0 | 0 |
| USS Boxer LHD 4 | 21808 | 1 | 0 | 0 | 0 | 0 | 0 |
| USS Carl Vinson CVN 70 | 20993 | 1 | 0 | 0 | 0 | 0 | 0 |
| USS Essex LHD 2 | 21533 | 1 | 0 | 0 | 0 | 0 | 0 |
| USS John C. Stennis CVN 74 | 21847 | 1 | 0 | 0 | 0 | 0 | 0 |
| USS Kitty Hawk CV63 | 03363 | 1 | 0 | 0 | 0 | 0 | 0 |
| USS Abraham Lincoln CVN 72 | 21297 | 1 | 0 | 0 | 0 | 0 | 0 |
| USS Nimitz CVN 68 | 03368 | 1 | 0 | 0 | 0 | 0 | 0 |
| USS Peleliu LHA 5 | 20748 | 1 | 0 | 0 | 0 | 0 | 0 |
| USS Tarawa LHA 1 | 20550 | 1 | 0 | 0 | 0 | 0 | 0 |
| VAQ 129 | 83896 | 1 | 0 | 0 | 0 | 0 | 0 |
| VFA 125 | 53971 | 1 | 0 | 0 | 0 | 0 | 0 |
| TOTAL: | | 50 | 0 | 0 | 0 | 0 | 0 |
| FLEET SUPPORT ACTIVITIES - USMC | | | | | | | |
| Blout Island Command | 38450 | 1 | 0 | 0 | 0 | 0 | 0 |
| FW MALS (East Coast) | 00000 | 2 | 0 | 0 | 0 | 0 | 0 |
| H&HS MCAS Beaufort SC | 02031 | 1 | 0 | 0 | 0 | 0 | 0 |
| H&HS MCAS Cherry Point NC | 02002 | 1 | 0 | 0 | 0 | 0 | 0 |
| H&HS MCAS New River NC | 02021 | 1 | 0 | 0 | 0 | 0 | 0 |

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

SOURCE: USN: Total Force Manpower Management System, TFMMS

DATE: 2/1/02

USMC: Extracted from Table of Manpower Requirements, TFS MCCDC

DATE: 2/1/02

| ACTIVITY, UIC | | PFYs | CFY03 | FY04 | FY05 | FY06 | FY07 |
|-----------------------------------|-------|-------------|--------------|-------------|-------------|-------------|-------------|
| MALS 42 (RW) | 09513 | 1 | 0 | 0 | 0 | 0 | 0 |
| MALS 49 (RW) | 55555 | 1 | 0 | 0 | 0 | 0 | 0 |
| MALS-Rotary Wing (East Coast) | 00000 | 2 | 0 | 0 | 0 | 0 | 0 |
| MC Pers Dept of Navy Non-Dept | 00000 | 1 | 0 | 0 | 0 | 0 | 0 |
| VMAT 203 | 45483 | 1 | 0 | 0 | 0 | 0 | 0 |
| Ft Worth, Site Support | 00000 | 1 | 0 | 0 | 0 | 0 | 0 |
| FW MALS (West coast) | 00000 | 3 | 0 | 0 | 0 | 0 | 0 |
| H&HS Futenma Japan | 02601 | 1 | 0 | 0 | 0 | 0 | 0 |
| H&HS Iwakuni Japan | 02501 | 1 | 0 | 0 | 0 | 0 | 0 |
| H&HS MCAS Camp Pendleton CA | 02208 | 1 | 0 | 0 | 0 | 0 | 0 |
| H&HS MCAS Miramar CA | 02201 | 1 | 0 | 0 | 0 | 0 | 0 |
| H&HS MCAS Yuma AZ | 02230 | 1 | 0 | 0 | 0 | 0 | 0 |
| HMT 303 | 55176 | 1 | 0 | 0 | 0 | 0 | 0 |
| MAD China Lake | 06117 | 1 | 0 | 0 | 0 | 0 | 0 |
| MALS-Rotary Wing (West Coast) | 00000 | 3 | 0 | 0 | 0 | 0 | 0 |
| Marine Aviation Logistics Support | 02300 | 1 | 0 | 0 | 0 | 0 | 0 |
| MAWTS 1 Yuma AZ | 55167 | 1 | 0 | 0 | 0 | 0 | 0 |
| MCAF Kaneohe Bay HI | 02303 | 1 | 0 | 0 | 0 | 0 | 0 |
| MCAGCC 29 Palms | 67399 | 1 | 0 | 0 | 0 | 0 | 0 |
| VMAT 101 | 09965 | 1 | 0 | 0 | 0 | 0 | 0 |
| TOTAL: | | 31 | 0 | 0 | 0 | 0 | 0 |

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

| ACTIVITY, UIC, PHASING INCREMENT | BILLETS | | DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS |
|---------------------------------------|----------|-----------|------------------|---------------|---------------|
| | OFF | ENL | | | |
| OPERATIONAL ACTIVITIES - USMC | | | | | |
| HMH 772 CH-53E, 09490 | | | | | |
| USMC | 0 | 1 | CPL | 6541 | |
| | 0 | 1 | LCPL | 6541 | |
| ACTIVITY | 0 | 2 | | | |
| HMH CH-53E (East Coast), 00000 | | | | | |
| USMC | 0 | 5 | CPL | 6541 | |
| | 0 | 1 | LCPL | 6541 | |
| ACTIVITY | 0 | 6 | | | |
| HMLA 773, 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 | 0 | 12 | | | |
| HMLA 773 DET, 00000 | | | | | |
| USMC | 0 | 2 | CPL | 6541 | |
| | 0 | 2 | LCPL | 6541 | |
| AR | 0 | 1 | SGT | 6541 | |
| SMCR | 0 | 1 | LCPL | 6541 | |
| ACTIVITY | 0 | 6 | | | |
| HMLA 775 DET A, 09415 | | | | | |
| USMC | 0 | 2 | CPL | 6541 | |
| | 0 | 2 | LCPL | 6541 | |
| AR | 0 | 1 | SGT | 6541 | |
| SMCR | 0 | 1 | LCPL | 6541 | |
| ACTIVITY | 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 AH-1/9 UH-1(East Coast), 00000 | | | | | |
| USMC | 0 | 6 | CPL | 6541 | |
| | 0 | 9 | LCPL | 6541 | |
| | 0 | 3 | SGT | 6541 | |
| ACTIVITY | 0 | 18 | | | |
| HMM 774 CH-46, 09430 | | | | | |
| USMC | 0 | 2 | CPL | 6541 | |
| ACTIVITY | 0 | 2 | | | |
| HMM CH-46E (East Coast), 00000 | | | | | |
| USMC | 0 | 2 | CPL | 6541 | |
| ACTIVITY | 0 | 2 | | | |
| VMA AV-8B (East Coast), 00000 | | | | | |
| USMC | 0 | 3 | CPL | 6541 | |
| | 0 | 7 | LCPL | 6541 | |
| | 0 | 2 | SGT | 6541 | |
| ACTIVITY | 0 | 12 | | | |
| VMAQ EA-6B (East Coast), 00000 | | | | | |
| USMC | 0 | 1 | CPL | 6541 | |
| ACTIVITY | 0 | 1 | | | |
| VMFA 321, 67235 | | | | | |
| 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 | 0 | 10 | | | |
| VMFA F/A18 (East Coast), 00000 | | | | | |
| USMC | 0 | 1 | GYSGT | 6541 | |
| | 0 | 6 | LCPL | 6541 | |
| | 0 | 2 | SGT | 6541 | |
| | 0 | 1 | SSGT | 6541 | |
| ACTIVITY | 0 | 10 | | | |

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 | | | |
| VMFA (AW) F/A 18 (East Coast), 00000 | | | | | |
| USMC | 0 | 1 | CPL | 6541 | |
| | 0 | 5 | LCPL | 6541 | |
| | 0 | 3 | SGT | 6541 | |
| | 0 | 2 | SSGT | 6541 | |
| ACTIVITY | 0 | 11 | | | |
| VMFA-142, 67243 | | | | | |
| 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 | 0 | 10 | | | |
| VMM MV-22A, 00000 | | | | | |
| USMC | 0 | 2 | CPL | 6541 | |
| ACTIVITY | 0 | 2 | | | |
| HMH 769 CH-53E, 09487 | | | | | |
| USMC | 0 | 1 | CPL | 6541 | |
| AR | 0 | 1 | LCPL | 6541 | |
| ACTIVITY | 0 | 2 | | | |
| HMH CH-53D (West Coast), 00000 | | | | | |
| USMC | 0 | 2 | CPL | 6541 | |
| ACTIVITY | 0 | 2 | | | |
| HMH CH-53E (West Coast), 00000 | | | | | |
| USMC | 0 | 5 | CPL | 6541 | |
| | 0 | 1 | LCPL | 6541 | |
| ACTIVITY | 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, 55257 | | | | | |
| 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 | 0 | 12 | | | |
| HMLA AH-1/9 UH-1 (West Coast), 00000 | | | | | |
| USMC | 0 | 6 | CPL | 6541 | |
| | 0 | 9 | LCPL | 6541 | |
| | 0 | 3 | SGT | 6541 | |
| ACTIVITY | 0 | 18 | | | |
| HMM 764 CH-46, 09402 | | | | | |
| USMC | 0 | 2 | CPL | 6541 | |
| ACTIVITY | 0 | 2 | | | |
| HMM CH-46E (West Coast), 00000 | | | | | |
| USMC | 0 | 2 | CPL | 6541 | |
| ACTIVITY | 0 | 2 | | | |
| MALS 41 (FW), 03007 | | | | | |
| 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 | 2 | GYSGT | 6541 | |
| | 0 | 20 | LCPL | 6541 | |
| | 0 | 6 | SGT | 6541 | |
| | 0 | 4 | SSGT | 6541 | |
| ACTIVITY | 0 | 48 | | | |

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 AV-8B (West Coast), 00000 | | | | | |
| USMC | 0 | 3 | CPL | 6541 | |
| | 0 | 7 | LCPL | 6541 | |
| | 0 | 2 | SGT | 6541 | |
| ACTIVITY | 0 | 12 | | | |
| VMFA 112, 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 | 0 | 10 | | | |
| VMFA 134, 09365 | | | | | |
| USMC | 0 | 2 | LCPL | 6541 | |
| | 0 | 1 | SGT | 6541 | |
| AR | 0 | 1 | SSGT | 6541 | |
| SMCR | 0 | 1 | GYSGT | 6541 | |
| | 0 | 4 | LCPL | 6541 | |
| | 0 | 1 | SGT | 6541 | |
| ACTIVITY | 0 | 10 | | | |
| VMFA F/A18 (West Coast), 00000 | | | | | |
| USMC | 0 | 1 | GYSGT | 6541 | |
| | 0 | 6 | LCPL | 6541 | |
| | 0 | 2 | SGT | 6541 | |
| | 0 | 1 | SSGT | 6541 | |
| ACTIVITY | 0 | 10 | | | |
| VMFA (AW) F/A18 (west Coast), 00000 | | | | | |
| USMC | 0 | 1 | CPL | 6541 | |
| | 0 | 5 | LCPL | 6541 | |
| | 0 | 3 | SGT | 6541 | |
| | 0 | 2 | SSGT | 6541 | |
| ACTIVITY | 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 | | | |
| FLEET SUPPORT ACTIVITIES - NAVY | | | | | |
| AIROPS/NAVOSH PM Brunswick ME, 3193B | | | | | |
| ACDU | 0 | 2 | AO1 | 6801 | |
| | 0 | 1 | AO1 | 6801 | 0812 |
| | 0 | 3 | AO2 | 6801 | |
| | 0 | 2 | AO3 | 6801 | |
| ACTIVITY | 0 | 8 | | | |
| NAMTRAGRUDET Mayport, 66069 | | | | | |
| ACDU | 0 | 2 | AOC | 6801 | 9502 |
| | 0 | 2 | AO1 | 6801 | 9502 |
| ACTIVITY | 0 | 4 | | | |
| ATG Norfolk, 30733 | | | | | |
| ACDU | 0 | 2 | AOC | 6801 | |
| ACTIVITY | 0 | 2 | | | |
| AVORD MTT Norfolk, 48764 | | | | | |
| ACDU | 0 | 5 | AO1 | 6801 | |
| ACTIVITY | 0 | 5 | | | |
| COMNAVAIRLANT, 57012 | | | | | |
| ACDU | 0 | 2 | AOC | 6801 | |
| ACTIVITY | 0 | 2 | | | |
| CSFWLD Beaufort, 3006A | | | | | |
| ACDU | 0 | 1 | AO1 | 6801 | |
| | 0 | 3 | AO2 | 6801 | |
| | 0 | 3 | AO3 | 6801 | |
| ACTIVITY | 0 | 7 | | | |
| LANTORDEDET, 31279 | | | | | |
| ACDU | 0 | 1 | AOC | 6801 | |
| | 0 | 1 | AO1 | 6801 | |
| | 0 | 8 | AO2 | 6801 | |
| | 0 | 14 | AO3 | 6801 | |
| ACTIVITY | 0 | 24 | | | |

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 | | | |
| NAF Mildenhall, 57032 | | | | | |
| ACDU | 0 | 1 | AOC | 6801 | |
| ACTIVITY | 0 | 1 | | | |
| NAMTRAU Norfolk, 66046 | | | | | |
| ACDU | 0 | 1 | AOC | 6801 | 9502 |
| | 0 | 3 | AO1 | 6801 | 9502 |
| ACTIVITY | 0 | 4 | | | |
| NAS Keflavik Iceland, 63032 | | | | | |
| ACDU | 0 | 1 | AOC | 6801 | |
| | 0 | 1 | AOC | 0812 | 6801 |
| | 0 | 1 | AO2 | 6810 | 6801 |
| | 0 | 1 | AO3 | 6801 | |
| ACTIVITY | 0 | 4 | | | |
| Naval Ordnance Center, Indian Head, MD, 68963 | | | | | |
| USMC | 0 | 1 | SSGT | 6541 | |
| ACTIVITY | 0 | 1 | | | |
| NAVSTKAIR TS, 39783 | | | | | |
| ACDU | 0 | 2 | AO1 | 6801 | |
| | 0 | 1 | AO2 | 6801 | |
| | 0 | 5 | AO3 | 6801 | |
| ACTIVITY | 0 | 8 | | | |
| NWS Charleston, SC, 00193 | | | | | |
| USMC | 0 | 2 | CPL | 6541 | |
| | 0 | 1 | GYSGT | 6541 | |
| | 0 | 2 | SGT | 6541 | |
| ACTIVITY | 0 | 5 | | | |
| USS Bataan LHD 5, 21879 | | | | | |
| ACDU | 0 | 2 | AOC | 6801 | |
| | 0 | 8 | AO1 | 6801 | |
| | 0 | 2 | AO2 | 6801 | |
| ACTIVITY | 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 | | | |
| USS Eisenhower CVN 69, 03369 | | | | | |
| ACDU | 0 | 7 | AOC | 6801 | |
| | 0 | 23 | AO1 | 6801 | |
| | 0 | 30 | AO2 | 6801 | |
| SELRES | 0 | 4 | AOC | 6801 | |
| | 0 | 5 | AO1 | 6801 | |
| | 0 | 4 | AO2 | 6801 | |
| ACTIVITY | 0 | 73 | | | |
| USS Enterprise CVN 65, 03365 | | | | | |
| ACDU | 0 | 1 | AOC | 6801 | |
| | 0 | 9 | AO1 | 6801 | |
| ACTIVITY | 0 | 10 | | | |
| USS George Washington CVN 73, 21412 | | | | | |
| ACDU | 0 | 5 | AOC | 6801 | |
| | 0 | 20 | AO1 | 6801 | |
| | 0 | 33 | AO2 | 6801 | |
| SELRES | 0 | 3 | AOC | 6801 | |
| | 0 | 4 | AO1 | 6801 | |
| | 0 | 3 | AO2 | 6801 | |
| ACTIVITY | 0 | 68 | | | |
| USS Harry S. Truman CVN 75, 21853 | | | | | |
| ACDU | 0 | 5 | AOC | 6801 | |
| | 0 | 21 | AO1 | 6801 | |
| | 0 | 29 | AO2 | 6801 | |
| SELRES | 0 | 3 | AOC | 6801 | |
| | 0 | 4 | AO1 | 6801 | |
| | 0 | 3 | AO2 | 6801 | |
| USS Harry S. Truman CVN 75, 21853, FY04 Increment | | | | | |
| ACDU | 0 | 4 | AO2 | 6801 | |
| ACTIVITY | 0 | 69 | | | |
| USS Iwo Jima LHD 7, 23027 | | | | | |
| ACDU | 0 | 2 | AOC | 6801 | |
| | 0 | 8 | AO1 | 6801 | |
| | 0 | 2 | AO2 | 6801 | |
| ACTIVITY | 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 | | | |
| USS John F. Kennedy CV 76, 03367 | | | | | |
| ACDU | 0 | 7 | AOC | 6801 | |
| | 0 | 25 | AO1 | 6801 | |
| | 0 | 29 | AO2 | 6801 | |
| SELRES | 0 | 2 | AO1 | 6801 | |
| | 0 | 7 | AO2 | 6801 | |
| ACTIVITY | 0 | 70 | | | |
| USS Kearsarge LHD 3, 21700 | | | | | |
| ACDU | 0 | 2 | AOC | 6801 | |
| | 0 | 8 | AO1 | 6801 | |
| | 0 | 2 | AO2 | 6801 | |
| ACTIVITY | 0 | 12 | | | |
| USS Nassau LHA 4, 20725 | | | | | |
| ACDU | 0 | 2 | AOC | 6801 | |
| | 0 | 10 | AO1 | 6801 | |
| | 0 | 1 | AO2 | 6801 | |
| ACTIVITY | 0 | 13 | | | |
| USS Ronald Reagan CVN-76, 22178 | | | | | |
| ACDU | 0 | 9 | AOC | 6801 | |
| | 0 | 29 | AO1 | 6801 | |
| | 0 | 37 | AO2 | 6801 | |
| ACTIVITY | 0 | 75 | | | |
| USS Roosevelt CVN 71, 21247 | | | | | |
| ACDU | 0 | 5 | AOC | 6801 | |
| | 0 | 20 | AO1 | 6801 | |
| | 0 | 33 | AO2 | 6801 | |
| SELRES | 0 | 3 | AOC | 6801 | |
| | 0 | 4 | AO1 | 6801 | |
| | 0 | 3 | AO2 | 6801 | |
| ACTIVITY | 0 | 68 | | | |
| USS Saipan LHA 2, 20632 | | | | | |
| ACDU | 0 | 2 | AOC | 6801 | |
| | 0 | 10 | AO1 | 6801 | |
| | 0 | 1 | AO2 | 6801 | |
| ACTIVITY | 0 | 13 | | | |

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 | | | |
| USS Wasp LHD 1, 21560 | | | | | |
| ACDU | 0 | 2 | AOC | 6801 | |
| | 0 | 8 | AO1 | 6801 | |
| | 0 | 2 | AO2 | 6801 | |
| ACTIVITY | 0 | 12 | | | |
| VFA 106 | | | | | |
| USMC | 0 | 1 | SGT | 6541 | |
| ACTIVITY | 0 | 1 | | | |
| USS Constellation CV64, 03364 | | | | | |
| ACDU | 0 | 6 | AOC | 6801 | |
| | 0 | 10 | AO1 | 6801 | |
| ACTIVITY | 0 | 16 | | | |
| CNATRA CAU Kingsville TX, 49149 | | | | | |
| ACDU | 0 | 1 | AO1 | 6801 | 9549 |
| ACTIVITY | 0 | 1 | | | |
| NAF El Centro, 60042 | | | | | |
| ACDU | 0 | 1 | AOC | 6801 | |
| | 0 | 1 | AO1 | 6801 | |
| | 0 | 5 | AO2 | 6801 | |
| ACTIVITY | 0 | 7 | | | |
| NAIRWPMINTUN 1, 52821 | | | | | |
| ACDU | 0 | 1 | AOC | 6801 | |
| | 0 | 3 | AO1 | 6801 | |
| | 0 | 12 | AO2 | 6801 | |
| | 0 | 4 | AO3 | 6801 | |
| ACTIVITY | 0 | 20 | | | |
| NAMTRAU North Island, 66065 | | | | | |
| ACDU | 0 | 3 | AO1 | 6801 | 9502 |
| | 0 | 2 | AO2 | 6801 | 9502 |
| ACTIVITY | 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 | | | |
| NAMTRAU Whidbey Island, 66058 | | | | | |
| ACDU | 0 | 2 | AOC | 6801 | 9502 |
| | 0 | 3 | AO1 | 6801 | 9502 |
| ACTIVITY | 0 | 5 | | | |
| NAS Lemoore, 63126 | | | | | |
| ACDU | 0 | 2 | AO1 | 6801 | |
| | 0 | 1 | AO2 | 6801 | |
| | 0 | 1 | AO2 | 6801 | 0812 |
| ACTIVITY | 0 | 4 | | | |
| NAVBASE VC Point Mugu, 69232 | | | | | |
| ACDU | 0 | 4 | AO1 | 6801 | |
| | 0 | 5 | AO2 | 6801 | |
| ACTIVITY | 0 | 9 | | | |
| NAWCWD (NWCF), 63126 | | | | | |
| ACDU | 0 | 1 | AO1 | 6801 | |
| ACTIVITY | 0 | 1 | | | |
| NSUPFAC Diego Garcia, 68539 | | | | | |
| ACDU | 0 | 1 | AO1 | 6801 | |
| | 0 | 2 | AO2 | 6801 | |
| | 0 | 2 | AO3 | 6801 | |
| ACTIVITY | 0 | 5 | | | |
| USS B Richard LHD 6, 22202 | | | | | |
| ACDU | 0 | 2 | AOC | 6801 | |
| | 0 | 8 | AO1 | 6801 | |
| | 0 | 2 | AO2 | 6801 | |
| ACTIVITY | 0 | 12 | | | |
| USS Bella Wood LHA 3, 20633 | | | | | |
| ACDU | 0 | 2 | AOC | 6801 | |
| | 0 | 9 | AO1 | 6801 | |
| | 0 | 1 | AO2 | 6801 | |
| ACTIVITY | 0 | 12 | | | |

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 | | | |
| USS Boxer LHD 4, 21808 | | | | | |
| ACDU | 0 | 2 | AOC | 6801 | |
| | 0 | 8 | AO1 | 6801 | |
| | 0 | 2 | AO2 | 6801 | |
| ACTIVITY | 0 | 12 | | | |
| USS Carl Vinson CVN 70, 20993 | | | | | |
| ACDU | 0 | 8 | AOC | 6801 | |
| | 0 | 29 | AO1 | 6801 | |
| | 0 | 36 | AO2 | 6801 | |
| ACTIVITY | 0 | 73 | | | |
| USS Essex LHD 2, 21533 | | | | | |
| ACDU | 0 | 2 | AOC | 6801 | |
| | 0 | 7 | AO1 | 6801 | |
| | 0 | 2 | AO2 | 6801 | |
| ACTIVITY | 0 | 11 | | | |
| USS John C. Stennis CVN 74, 21847 | | | | | |
| ACDU | 0 | 9 | AOC | 6801 | |
| | 0 | 29 | AO1 | 6801 | |
| | 0 | 35 | AO2 | 6801 | |
| SELRES | 0 | 2 | AO2 | 6801 | |
| ACTIVITY | 0 | 75 | | | |
| USS Kitty Hawk CV63, 03363 | | | | | |
| ACDU | 0 | 5 | AOC | 6801 | |
| | 0 | 25 | AO1 | 6801 | |
| | 0 | 22 | AO2 | 6801 | |
| SELRES | 0 | 1 | AOC | 6801 | |
| | 0 | 2 | AO1 | 6801 | |
| | 0 | 2 | AO2 | 6801 | |
| USS Kitty Hawk CV63, 03363 | | | | | |
| SELRES | 0 | 1 | AOC | 6801 | |
| | 0 | 2 | AO1 | 6801 | |
| ACTIVITY | 0 | 60 | | | |

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 | | | |
| USS Abraham Lincoln CVN 72, 21297 | | | | | |
| ACDU | 0 | 9 | AOC | 6801 | |
| | 0 | 29 | AO1 | 6801 | |
| | 0 | 37 | AO2 | 6801 | |
| ACTIVITY | 0 | 75 | | | |
| USS Nimitz CVN 68, 03368 | | | | | |
| ACDU | 0 | 9 | AOC | 6801 | |
| | 0 | 29 | AO1 | 6801 | |
| | 0 | 37 | AO2 | 6801 | |
| ACTIVITY | 0 | 75 | | | |
| USS Peleliu LHA 5, 20748 | | | | | |
| ACDU | 0 | 2 | AOC | 6801 | |
| | 0 | 9 | AO1 | 6801 | |
| | 0 | 1 | AO2 | 6801 | |
| ACTIVITY | 0 | 12 | | | |
| USS Tarawa LHA 1, 20550 | | | | | |
| ACDU | 0 | 2 | AOC | 6801 | |
| | 0 | 9 | AO1 | 6801 | |
| | 0 | 1 | AO2 | 6801 | |
| ACTIVITY | 0 | 12 | | | |
| VAQ 129, 83896 | | | | | |
| USMC | 0 | 1 | SGT | 6541 | |
| ACTIVITY | 0 | 1 | | | |
| VFA 125, 53971 | | | | | |
| USMC | 0 | 1 | SGT | 6541 | |
| ACTIVITY | 0 | 1 | | | |

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

| ACTIVITY, UIC, PHASING INCREMENT | BILLETS | | DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS |
|---|----------|-----------|------------------|---------------|---------------|
| | OFF | ENL | | | |
| FLEET SUPPORT ACTIVITIES - USMC | | | | | |
| Blout Island Command, 38450 | | | | | |
| USMC | 0 | 1 | SGT | 6541 | |
| | 0 | 1 | SSGT | 6541 | |
| ACTIVITY | 0 | 2 | | | |
| FW MALS (East Coast), 00000 | | | | | |
| USMC | 0 | 9 | CPL | 6541 | |
| | 0 | 4 | GYSGT | 6541 | |
| | 0 | 20 | LCPL | 6541 | |
| | 0 | 7 | SGT | 6541 | |
| | 0 | 4 | SSGT | 6541 | |
| ACTIVITY | 0 | 44 | | | |
| H&HS MCAS Beaufort SC, 02031 | | | | | |
| USMC | 0 | 1 | GYSGT | 6541 | |
| | 0 | 1 | LCPL | 6541 | |
| | 0 | 1 | SGT | 6541 | |
| | 0 | 1 | SGT | 6541 | 9954 |
| | 0 | 1 | SSGT | 6541 | |
| ACTIVITY | 0 | 5 | | | |
| H&HS MCAS Cherry Point NC, 02002 | | | | | |
| USMC | 0 | 4 | CPL | 6541 | |
| | 0 | 4 | SGT | 6541 | |
| | 0 | 3 | SSGT | 6541 | |
| ACTIVITY | 0 | 11 | | | |
| H&HS MCAS New River NC, 02021 | | | | | |
| USMC | 0 | 1 | CPL | 6541 | 9954 |
| | 0 | 1 | LCPL | 6541 | |
| | 0 | 2 | SGT | 6541 | |
| | 0 | 1 | SSGT | 6541 | |
| ACTIVITY | 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 | | | |
| MALS 42 (RW), 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 | 3 | LCPL | 6541 | |
| | 0 | 2 | SSGT | 6541 | |
| ACTIVITY | 0 | 11 | | | |
| MALS 49 (RW), 55555 | | | | | |
| USMC | 0 | 1 | LCPL | 6541 | |
| | 0 | 1 | SGT | 6541 | |
| | 0 | 1 | SSGT | 6541 | |
| AR | 0 | 2 | SSGT | 6541 | |
| SMCR | 0 | 1 | CPL | 6541 | |
| | 0 | 2 | GYSGT | 6541 | |
| | 0 | 2 | LCPL | 6541 | |
| ACTIVITY | 0 | 10 | | | |
| MALS-Rotary Wing (East Coast), 00000 | | | | | |
| USMC | 0 | 1 | CPL | 6541 | |
| | 0 | 2 | GYSGT | 6541 | |
| | 0 | 5 | LCPL | 6541 | |
| | 0 | 1 | SGT | 6541 | |
| | 0 | 3 | SSGT | 6541 | |
| ACTIVITY | 0 | 12 | | | |
| MC PERS Dept of Navy Non-Dept, 00000 | | | | | |
| USMC | 0 | 2 | CPL | 6541 | |
| | 0 | 7 | GYSGT | 6541 | |
| | 0 | 2 | SGT | 6541 | |
| | 0 | 2 | SSGT | 6541 | |
| ACTIVITY | 0 | 13 | | | |

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, 45483 | | | | | |
| USMC | 0 | 3 | GYSGT | 6541 | |
| | 0 | 1 | LCPL | 6541 | |
| | 0 | 20 | SGT | 6541 | |
| | 0 | 4 | SSGT | 6541 | |
| ACTIVITY | 0 | 28 | | | |
| Ft Worth, Site Support, 00000 | | | | | |
| AR | 0 | 1 | GYSGT | 6541 | |
| | 0 | 1 | SGT | 6541 | |
| ACTIVITY | 0 | 2 | | | |
| FW MALS (West coast), 00000 | | | | | |
| USMC | 0 | 9 | CPL | 6541 | |
| | 0 | 4 | GYSGT | 6541 | |
| | 0 | 20 | LCPL | 6541 | |
| | 0 | 7 | SGT | 6541 | |
| | 0 | 4 | SSGT | 6541 | |
| ACTIVITY | 0 | 44 | | | |
| H&HS Futenma Japan, 02601 | | | | | |
| USMC | 0 | 2 | CPL | 6541 | |
| | 0 | 1 | GYSGT | 6541 | |
| | 0 | 4 | LCPL | 6541 | |
| | 0 | 3 | SGT | 6541 | |
| | 0 | 2 | SSGT | 6541 | |
| ACTIVITY | 0 | 12 | | | |
| H&HS Iwakuni Japan, 02501 | | | | | |
| USMC | 0 | 1 | CPL | 6541 | |
| | 0 | 1 | LCPL | 6541 | |
| | 0 | 3 | SGT | 6541 | |
| | 0 | 2 | SSGT | 6541 | |
| ACTIVITY | 0 | 7 | | | |

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 Camp Pendelton CA, 02208 | | | | | |
| USMC | 0 | 2 | CPL | 6541 | |
| | 0 | 1 | GYSGT | 6541 | |
| | 0 | 1 | LCPL | 6541 | |
| | 0 | 1 | SGT | 6541 | |
| | 0 | 3 | SSGT | 6541 | |
| ACTIVITY | 0 | 8 | | | |
| H&HS MCAS Miramar CA, 02201 | | | | | |
| USMC | 0 | 1 | CPL | 6541 | |
| | 0 | 2 | GYSGT | 6541 | |
| | 0 | 1 | LCPL | 6541 | |
| | 0 | 2 | SGT | 6541 | |
| | 0 | 2 | SSGT | 6541 | |
| ACTIVITY | 0 | 8 | | | |
| H&HS MCAS Yuma AZ, 02230 | | | | | |
| USMC | 0 | 3 | GYSGT | 6541 | |
| | 0 | 1 | LCPL | 6541 | |
| | 0 | 1 | SGT | 6541 | |
| | 0 | 1 | SSGT | 6541 | |
| | 0 | 1 | SSGT | 6541 | 9954 |
| ACTIVITY | 0 | 7 | | | |
| HMT 303, 55176 | | | | | |
| USMC | 0 | 3 | LCPL | 6541 | |
| | 0 | 3 | SGT | 6541 | |
| ACTIVITY | 0 | 6 | | | |
| MAD China Lake, 06117 | | | | | |
| USMC | 0 | 1 | GYSGT | 6541 | |
| | 0 | 1 | SSGT | 6541 | |
| ACTIVITY | 0 | 2 | | | |
| MALS-Rotary Wing (West Coast), 00000 | | | | | |
| USMC | 0 | 1 | CPL | 6541 | |
| | 0 | 2 | GYSGT | 6541 | |
| | 0 | 5 | LCPL | 6541 | |
| | 0 | 1 | SGT | 6541 | |
| | 0 | 3 | SSGT | 6541 | |
| ACTIVITY | 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 | | | |
| Marine Aviation Logistics Support Element Kaneohe, 02300 | | | | | |
| USMC | 0 | 2 | CPL | 6541 | |
| | 0 | 1 | GYSGT | 6541 | |
| | 0 | 1 | LCPL | 6541 | |
| | 0 | 1 | SGT | 6541 | |
| | 0 | 1 | SSGT | 6541 | |
| ACTIVITY | 0 | 6 | | | |
| MAWTS 1 Yuma AZ, 55167 | | | | | |
| USMC | 0 | 1 | GYSGT | 6541 | |
| | 0 | 1 | LCPL | 6541 | |
| ACTIVITY | 0 | 2 | | | |
| MCAF Kaneohe Bay HI, 02303 | | | | | |
| USMC | 0 | 4 | LCPL | 6541 | |
| | 0 | 2 | SGT | 6541 | |
| | 0 | 1 | SSGT | 6541 | |
| ACTIVITY | 0 | 7 | | | |
| MCAGCC 29 Palms, 67399 | | | | | |
| USMC | 0 | 3 | LCPL | 6541 | |
| ACTIVITY | 0 | 3 | | | |
| VMAT 101, 09965 | | | | | |
| USMC | 0 | 3 | CPL | 6541 | |
| | 0 | 6 | LCPL | 6541 | |
| ACTIVITY | 0 | 9 | | | |

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

| DESIG/ RATING | PNEC/SNEC PMOS/SMOS | PFYs | | CFY03 | | FY04 | | FY05 | | FY06 | | FY07 | |
|--|------------------------|------|-----|-------|-----|------|-----|------|-----|------|-----|------|-----|
| | | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL |
| USMC OPERATIONAL ACTIVITIES - USMC | | | | | | | | | | | | | |
| CPL | 6541 | | 146 | | 0 | | 0 | | 0 | | 0 | | 0 |
| GYSGT | 6541 | | 10 | | 0 | | 0 | | 0 | | 0 | | 0 |
| LCPL | 6541 | | 205 | | 0 | | 0 | | 0 | | 0 | | 0 |
| SGT | 6541 | | 71 | | 0 | | 0 | | 0 | | 0 | | 0 |
| SSGT | 6541 | | 20 | | 0 | | 0 | | 0 | | 0 | | 0 |
| USMC OPERATIONAL ACTIVITIES - AR | | | | | | | | | | | | | |
| GYSGT | 6541 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| LCPL | 6541 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| SGT | 6541 | | 8 | | 0 | | 0 | | 0 | | 0 | | 0 |
| SSGT | 6541 | | 6 | | 0 | | 0 | | 0 | | 0 | | 0 |
| USMC OPERATIONAL ACTIVITIES - SMCR | | | | | | | | | | | | | |
| CPL | 6541 | | 11 | | 0 | | 0 | | 0 | | 0 | | 0 |
| GYSGT | 6541 | | 6 | | 0 | | 0 | | 0 | | 0 | | 0 |
| LCPL | 6541 | | 46 | | 0 | | 0 | | 0 | | 0 | | 0 |
| SGT | 6541 | | 9 | | 0 | | 0 | | 0 | | 0 | | 0 |
| SSGT | 6541 | | 4 | | 0 | | 0 | | 0 | | 0 | | 0 |
| NAVY FLEET SUPPORT ACTIVITIES - ACDU | | | | | | | | | | | | | |
| AOC | 6801 | | 119 | | 0 | | 0 | | 0 | | 0 | | 0 |
| AOC | 6801 9502 | | 5 | | 0 | | 0 | | 0 | | 0 | | 0 |
| AOC | 0812 6801 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| AO1 | 6801 | | 423 | | 0 | | 0 | | 0 | | 0 | | 0 |
| AO1 | 6801 0812 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| AO1 | 6801 9502 | | 11 | | 0 | | 0 | | 0 | | 0 | | 0 |
| AO1 | 6801 9549 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| AO2 | 6801 | | 417 | | 0 | | 4 | | 0 | | 0 | | 0 |
| AO2 | 6801 0812 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| AO2 | 6801 9502 | | 2 | | 0 | | 0 | | 0 | | 0 | | 0 |
| AO2 | 6810 6801 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| AO3 | 6801 | | 31 | | 0 | | 0 | | 0 | | 0 | | 0 |
| NAVY FLEET SUPPORT ACTIVITIES - SELRES | | | | | | | | | | | | | |
| AOC | 6801 | | 14 | | 1 | | 0 | | 0 | | 0 | | 0 |
| AO1 | 6801 | | 21 | | 2 | | 0 | | 0 | | 0 | | 0 |
| AO2 | 6801 | | 24 | | 0 | | 0 | | 0 | | 0 | | 0 |
| NAVY FLEET SUPPORT ACTIVITIES - USMC | | | | | | | | | | | | | |
| CPL | 6541 | | 2 | | 0 | | 0 | | 0 | | 0 | | 0 |
| GYSGT | 6541 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| SGT | 6541 | | 5 | | 0 | | 0 | | 0 | | 0 | | 0 |
| SSGT | 6541 | | 1 | | 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 | | CFY03 | | FY04 | | FY05 | | FY06 | | FY07 | |
|--------------------------------------|------------------------|------|-----|-------|-----|------|-----|------|-----|------|-----|------|-----|
| | | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL |
| USMC FLEET SUPPORT ACTIVITIES - USMC | | | | | | | | | | | | | |
| CPL | 6541 | | 67 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CPL | 6541 | 9954 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GYSGT | 6541 | | 51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LCPL | 6541 | | 156 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SGT | 6541 | | 88 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SGT | 6541 | 9954 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSGT | 6541 | | 61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSGT | 6541 | 9954 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| USMC FLEET SUPPORT ACTIVITIES - AR | | | | | | | | | | | | | |
| CPL | 6541 | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GYSGT | 6541 | | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SGT | 6541 | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSGT | 6541 | | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| USMC FLEET SUPPORT ACTIVITIES - SMCR | | | | | | | | | | | | | |
| CPL | 6541 | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GYSGT | 6541 | | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LCPL | 6541 | | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SSGT | 6541 | | 2 | 0 | 0 | 0 | 0 | 0 | 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 | | CFY03 | | FY04 | | FY05 | | FY06 | | FY07 | |
|--|------------------------|------|-----|-------|-----|------|-----|------|-----|------|-----|------|-----|
| | | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL |
| SUMMARY TOTALS: | | | | | | | | | | | | | |
| USMC OPERATIONAL ACTIVITIES - USMC | | | | | | | | | | | | | |
| | 452 | | | 0 | | 0 | | 0 | | 0 | | 0 | |
| USMC OPERATIONAL ACTIVITIES - AR | | | | | | | | | | | | | |
| | 16 | | | 0 | | 0 | | 0 | | 0 | | 0 | |
| USMC OPERATIONAL ACTIVITIES - SMCR | | | | | | | | | | | | | |
| | 76 | | | 0 | | 0 | | 0 | | 0 | | 0 | |
| NAVY FLEET SUPPORT ACTIVITIES - ACDU | | | | | | | | | | | | | |
| | 937 | | | 75 | | 0 | | 4 | | 0 | | 0 | |
| NAVY FLEET SUPPORT ACTIVITIES - SELRES | | | | | | | | | | | | | |
| | 59 | | | 0 | | 3 | | 0 | | 0 | | 0 | |
| NAVY FLEET SUPPORT ACTIVITIES - USMC | | | | | | | | | | | | | |
| | 9 | | | 0 | | 0 | | 0 | | 0 | | 0 | |
| USMC FLEET SUPPORT ACTIVITIES - USMC | | | | | | | | | | | | | |
| | 426 | | | 0 | | 0 | | 0 | | 0 | | 0 | |
| USMC FLEET SUPPORT ACTIVITIES - AR | | | | | | | | | | | | | |
| | 7 | | | 0 | | 0 | | 0 | | 0 | | 0 | |
| USMC FLEET SUPPORT ACTIVITIES - SMCR | | | | | | | | | | | | | |
| | 11 | | | 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 | | CFY03 | | FY04 | | FY05 | | FY06 | | FY07 | |
|----------------------|------------------------|------|------|-------|-----|------|-----|------|-----|------|-----|------|-----|
| | | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL |
| GRAND TOTALS: | | | | | | | | | | | | | |
| NAVY - ACDU | | | 1012 | | 0 | | 4 | | 0 | | 0 | | 0 |
| NAVY - SELRES | | | 59 | | 3 | | 0 | | 0 | | 0 | | 0 |
| NAVY - USMC | | | 9 | | 0 | | 0 | | 0 | | 0 | | 0 |
| USMC - USMC | | | 878 | | 0 | | 0 | | 0 | | 0 | | 0 |
| USMC - AR | | | 23 | | 0 | | 0 | | 0 | | 0 | | 0 |
| USMC - SMCR | | | 87 | | 0 | | 0 | | 0 | | 0 | | 0 |

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

SOURCE: USN: Total Force Manpower Management System, TFMMS

DATE: 5/1/01

USMC: Extracted from Table of Manpower Requirements, TFS MCCDC

DATE: 5/1/01

| ACTIVITY, UIC | PFYs | CFY03 | FY04 | FY05 | FY06 | FY07 |
|---|-------------|--------------|-------------|-------------|-------------|-------------|
| FLEET SUPPORT ACTIVITIES - NAVY | | | | | | |
| USS Constellation CV64 03364 | 0 | 1 | 0 | 0 | 0 | 0 |
| TOTAL: | 0 | 1 | 0 | 0 | 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 | | | | | |
| USS Kitty Hawk CV63, 03363, FY03 Increment | | | | | |
| ACDU | 0 | 1 | AOC | 6801 | |
| | 0 | 2 | AO1 | 6801 | |
| ACTIVITY | 0 | 3 | | | |

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

| DESIG/ RATING | PNEC/SNEC PMOS/SMOS | PFYs | | CFY03 | | FY04 | | FY05 | | FY06 | | FY07 | |
|--------------------------------------|------------------------|------|-----|-------|-----|------|-----|------|-----|------|-----|------|-----|
| | | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL |
| NAVY FLEET SUPPORT ACTIVITIES - ACDU | | | | | | | | | | | | | |
| AOC | 6801 | | 11 | | -7 | | 0 | | 0 | | 0 | | 0 |
| AO1 | 6801 | | 35 | | -12 | | 0 | | 0 | | 0 | | 0 |
| SUMMARY TOTALS: | | | | | | | | | | | | | |
| NAVY FLEET SUPPORT ACTIVITIES - ACDU | | | | | | | | | | | | | |
| | | | 46 | | -19 | | 0 | | 0 | | 0 | | 0 |
| GRAND TOTALS: | | | | | | | | | | | | | |
| NAVY - ACDU | | | | | | | | | | | | | |
| | | | 46 | | -19 | | 0 | | 0 | | 0 | | 0 |

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

| DESIG RATING | PNEC/SNEC PMOS/SMOS | | PFYs | | CFY03 | | FY04 | | FY05 | | FY06 | | FY07 | |
|-----------------|------------------------|--|------|-----|-------|-----|------|-----|------|-----|------|-----|------|-----|
| | | | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL |

TRAINING ACTIVITY, LOCATION, UIC: MTU-4030 NAMTRAU, Mayport, 66069

INSTRUCTOR BILLETS

| | | | | | | | | | | | | | | |
|---------------|------|------|---|---|---|---|---|---|---|---|---|---|---|---|
| ACDU | | | | | | | | | | | | | | |
| AOC | 6801 | 9502 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 |
| AO1 | 6801 | 9502 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 |
| TOTAL: | | | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 |

TRAINING ACTIVITY, LOCATION, UIC: MTU-4032 NAMTRAU Norfolk, 66046

INSTRUCTOR BILLETS

| | | | | | | | | | | | | | | |
|---------------|------|------|---|---|---|---|---|---|---|---|---|---|---|---|
| ACDU | | | | | | | | | | | | | | |
| AOC | 6801 | 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 |
| TOTAL: | | | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 |

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

INSTRUCTOR BILLETS

| | | | | | | | | | | | | | | |
|---------------|------|------|---|---|---|---|---|---|---|---|---|---|---|---|
| ACDU | | | | | | | | | | | | | | |
| AO1 | 6801 | 9502 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 |
| AO2 | 6801 | 9502 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 |
| TOTAL: | | | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 |

TRAINING ACTIVITY, LOCATION, UIC: MTU-4034 NAMTRA MARUNIT, MCAS Cherry Point, 45483

INSTRUCTOR BILLETS

| | | | | | | | | | | | | | | |
|---------------|------|--|---|----|---|----|---|----|---|----|---|----|---|----|
| USMC | | | | | | | | | | | | | | |
| GYSGT | 6541 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | 21 | 0 | 21 | 0 | 21 | 0 | 21 | 0 | 21 | 0 | 21 |

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

| DESIG RATING | PNEC/SNEC PMOS/SMOS | | PFYs | | CFY03 | | FY04 | | FY05 | | FY06 | | FY07 | |
|-----------------|------------------------|--|------|-----|-------|-----|------|-----|------|-----|------|-----|------|-----|
| | | | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL |

TRAINING ACTIVITY, LOCATION, UIC: MTU-4035 NAMTRAU, Whidbey Island, 66058

INSTRUCTOR BILLETS

| | | | | | | | | | | | | | | |
|---------------|------|------|---|---|---|---|---|---|---|---|---|---|---|---|
| ACDU | | | | | | | | | | | | | | |
| AOC | 6801 | 9502 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| AO1 | 6801 | 9502 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 |
| TOTAL: | | | 0 | 3 | 0 | 3 | 0 | 3 | 0 | 3 | 0 | 3 | 0 | 3 |

II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS

| ACTIVITY, LOCATION, UIC | USN/ USMC | PFYs | | CFY03 | | FY04 | | FY05 | | FY06 | | FY07 | |
|---|--------------|------|------|-------|------|------|------|------|------|------|------|------|------|
| | | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL |
| MTU-4030 NAMTRAU, Mayport, 66069 | NAVY | | 1.9 | | 1.9 | | 1.9 | | 1.9 | | 1.9 | | 1.9 |
| MTU-4032 NAMTRAU Norfolk, 66046 | NAVY | | 19.3 | | 12.1 | | 12.5 | | 12.1 | | 12.1 | | 12.1 |
| MTU-4034 NAMTRA MARUNIT, MCAS Cherry Point, 45483 | USMC | | 47.7 | | 47.7 | | 47.7 | | 47.7 | | 47.7 | | 47.7 |
| MTU-4033 NAMTRAU, North Island, 66065 | NAVY | | 8.0 | | 7.9 | | 7.4 | | 7.4 | | 7.4 | | 7.4 |
| MTU-4035 NAMTRAU, Whidbey Island, 66058 | NAVY | | 3.6 | | 3.6 | | 3.6 | | 3.6 | | 3.6 | | 3.6 |
| SUMMARY TOTALS: | | | | | | | | | | | | | |
| | NAVY | | 24.9 | | 25.5 | | 25.4 | | 25.0 | | 25.0 | | 25.0 |
| | USMC | | 47.7 | | 47.7 | | 47.7 | | 47.7 | | 47.7 | | 47.7 |
| GRAND TOTALS: | | | | | | | | | | | | | |
| | | | 80.5 | | 73.2 | | 73.1 | | 73.7 | | 72.7 | | 72.7 |

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

| DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS | BILLET BASE | CFY03 +/- | CUM | FY04 +/- | CUM | FY04 +/- | CUM | FY04 +/- | CUM | FY04 +/- | CUM |
|------------------|---------------|---------------|----------------|--------------|-----|-------------|-----|-------------|-----|-------------|-----|-------------|-----|
|------------------|---------------|---------------|----------------|--------------|-----|-------------|-----|-------------|-----|-------------|-----|-------------|-----|

a. OFFICER - USN

NA

b. ENLISTED - USN

Fleet Support Billets ACDU and TAR

| | | | | | | | | | | | | | |
|-----|------|------|-----|-----|-----|---|-----|---|-----|---|-----|---|-----|
| AOC | 6801 | | 118 | -7 | 111 | 0 | 111 | 0 | 111 | 0 | 111 | 0 | 111 |
| AOC | 6801 | 9502 | 5 | 0 | 5 | 0 | 5 | 0 | 5 | 0 | 5 | 0 | 5 |
| AOC | 0812 | 6801 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| AO1 | 6801 | | 423 | -12 | 411 | 0 | 411 | 0 | 411 | 0 | 411 | 0 | 411 |
| AO1 | 6801 | 812 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| AO1 | 6801 | 9502 | 11 | 0 | 11 | 0 | 11 | 0 | 11 | 0 | 11 | 0 | 11 |
| AO1 | 6801 | 9549 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| AO2 | 6801 | | 417 | 0 | 417 | 4 | 421 | 0 | 421 | 0 | 421 | 0 | 421 |
| AO2 | 6801 | 812 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| AO2 | 6801 | 9502 | 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 | | 31 | 0 | 31 | 0 | 31 | 0 | 31 | 0 | 31 | 0 | 31 |

Staff Billets ACDU and TAR

| | | | | | | | | | | | | | |
|-----|------|------|---|---|---|---|---|---|---|---|---|---|---|
| AOC | 6801 | 9502 | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 |
| AO1 | 6801 | 9502 | 9 | 0 | 9 | 0 | 9 | 0 | 9 | 0 | 9 | 0 | 9 |
| AO2 | 6801 | 9502 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 |

Chargeable Student Billets ACDU and TAR

| | | | | | | | | | | | | | |
|--|--|--|----|----|----|----|----|---|----|---|----|---|----|
| | | | 33 | -7 | 26 | -1 | 25 | 0 | 25 | 0 | 25 | 0 | 25 |
|--|--|--|----|----|----|----|----|---|----|---|----|---|----|

SELRES Billets

| | | | | | | | | | | | | | |
|-----|------|--|----|---|----|---|----|---|----|---|----|---|----|
| AOC | 6801 | | 14 | 1 | 15 | 0 | 15 | 0 | 15 | 0 | 15 | 0 | 15 |
| AO1 | 6801 | | 21 | 2 | 23 | 0 | 23 | 0 | 23 | 0 | 23 | 0 | 23 |
| AO2 | 6801 | | 24 | 0 | 24 | 0 | 24 | 0 | 24 | 0 | 24 | 0 | 24 |

TOTAL USN ENLISTED BILLETS:

| | | | | | | | | | | | | | |
|---------------|--|--|------|-----|-----|----|------|-----|-----|---|-----|---|-----|
| Fleet Support | | | 1036 | -99 | 937 | 75 | 1012 | -19 | 993 | 4 | 997 | 0 | 997 |
|---------------|--|--|------|-----|-----|----|------|-----|-----|---|-----|---|-----|

| | | | | | | | | | | | | | |
|-------|--|--|----|---|----|---|----|---|----|---|----|---|----|
| Staff | | | 15 | 0 | 15 | 0 | 15 | 0 | 15 | 0 | 15 | 0 | 15 |
|-------|--|--|----|---|----|---|----|---|----|---|----|---|----|

| | | | | | | | | | | | | | |
|--------------------|--|--|----|---|----|----|----|----|----|---|----|---|----|
| Chargeable Student | | | 25 | 8 | 33 | -7 | 26 | -1 | 25 | 0 | 25 | 0 | 25 |
|--------------------|--|--|----|---|----|----|----|----|----|---|----|---|----|

| | | | | | | | | | | | | | |
|--------|--|--|----|---|----|---|----|---|----|---|----|---|----|
| SELRES | | | 59 | 0 | 59 | 3 | 62 | 0 | 62 | 0 | 62 | 0 | 62 |
|--------|--|--|----|---|----|---|----|---|----|---|----|---|----|

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

| DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS | BILLET BASE | CFY03 | | FY04 | | FY05 | | FY06 | | FY07 | |
|------------------|---------------|---------------|----------------|-------|-----|------|-----|------|-----|------|-----|------|-----|
| | | | | +/- | CUM | +/- | CUM | +/- | CUM | +/- | CUM | +/- | CUM |

c. OFFICER - USMC

NA

d. ENLISTED - USMC

Operational Billets USMC and AR

| | | | | | | | | | | | | | |
|-------|------|--|-----|---|-----|---|-----|---|-----|---|-----|---|-----|
| CPL | 6541 | | 146 | 0 | 146 | 0 | 146 | 0 | 146 | 0 | 146 | 0 | 146 |
| GYSGT | 6541 | | 11 | 0 | 11 | 0 | 11 | 0 | 11 | 0 | 11 | 0 | 11 |
| LCPL | 6541 | | 206 | 0 | 206 | 0 | 206 | 0 | 206 | 0 | 206 | 0 | 206 |
| SGT | 6541 | | 79 | 0 | 79 | 0 | 79 | 0 | 79 | 0 | 79 | 0 | 79 |
| SSGT | 6541 | | 26 | 0 | 26 | 0 | 26 | 0 | 26 | 0 | 26 | 0 | 26 |

Fleet Support Billets USMC and AR

| | | | | | | | | | | | | | |
|-------|------|------|-----|---|-----|---|-----|---|-----|---|-----|---|-----|
| CPL | 6541 | | 70 | 0 | 70 | 0 | 70 | 0 | 70 | 0 | 70 | 0 | 70 |
| CPL | 6541 | 9954 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| GYSGT | 6541 | | 54 | 0 | 54 | 0 | 54 | 0 | 54 | 0 | 54 | 0 | 54 |
| LCPL | 6541 | | 156 | 0 | 156 | 0 | 156 | 0 | 156 | 0 | 156 | 0 | 156 |
| SGT | 6541 | | 94 | 0 | 94 | 0 | 94 | 0 | 94 | 0 | 94 | 0 | 94 |
| 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 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |

Staff Billets USMC and AR

| | | | | | | | | | | | | | |
|-------|------|--|----|---|----|---|----|---|----|---|----|---|----|
| GYSGT | 6541 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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

| | | | | | | | | | | | | | |
|--|--|--|----|---|----|---|----|---|----|---|----|---|----|
| | | | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 |
|--|--|--|----|---|----|---|----|---|----|---|----|---|----|

SMCR Billets

| | | | | | | | | | | | | | |
|-------|------|--|----|---|----|---|----|---|----|---|----|---|----|
| CPL | 6541 | | 12 | 0 | 12 | 0 | 12 | 0 | 12 | 0 | 12 | 0 | 12 |
| GYSGT | 6541 | | 9 | 0 | 9 | 0 | 9 | 0 | 9 | 0 | 9 | 0 | 9 |
| LCPL | 6541 | | 51 | 0 | 51 | 0 | 51 | 0 | 51 | 0 | 51 | 0 | 51 |
| SGT | 6541 | | 9 | 0 | 9 | 0 | 9 | 0 | 9 | 0 | 9 | 0 | 9 |
| SSGT | 6541 | | 6 | 0 | 6 | 0 | 6 | 0 | 6 | 0 | 6 | 0 | 6 |

TOTAL USMC ENLISTED BILLETS:

| | | | | | | | | | | | | | |
|-------------|--|--|-----|---|-----|---|-----|---|-----|---|-----|---|-----|
| Operational | | | 468 | 0 | 468 | 0 | 468 | 0 | 468 | 0 | 468 | 0 | 468 |
|-------------|--|--|-----|---|-----|---|-----|---|-----|---|-----|---|-----|

| | | | | | | | | | | | | | |
|---------------|--|--|-----|---|-----|---|-----|---|-----|---|-----|---|-----|
| Fleet Support | | | 442 | 0 | 442 | 0 | 442 | 0 | 442 | 0 | 442 | 0 | 442 |
|---------------|--|--|-----|---|-----|---|-----|---|-----|---|-----|---|-----|

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

| DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS | BILLET BASE | CFY03 | | FY04 | | FY05 | | FY06 | | FY07 | |
|--------------------|---------------|---------------|----------------|-------|-----|------|-----|------|-----|------|-----|------|-----|
| | | | | +/- | CUM | +/- | CUM | +/- | CUM | +/- | CUM | +/- | CUM |
| Staff | | | 21 | 0 | 21 | 0 | 21 | 0 | 21 | 0 | 21 | 0 | 21 |
| Chargeable Student | | | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 |
| SMCR | | | 87 | 0 | 87 | 0 | 87 | 0 | 87 | 0 | 87 | 0 | 87 |

II.B. PERSONNEL REQUIREMENTS

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: D-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance
COURSE LENGTH: 7.0 Weeks **TOUR LENGTH:** 60 Months
ATTRITION Navy: 10% USMC: 0% **BACKOUT FACTOR:** 0.14

| TRAINING ACTIVITY | SOURCE | ACDU/TAR SELRES | CFY03 | | FY04 | | FY05 | | FY06 | | FY07 | |
|---------------------------|--------|--------------------|-------|-----|------|-----|------|-----|------|-----|------|-----|
| | | | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL |
| MTU-4030 NAMTRAU, Mayport | | | | | | | | | | | | |
| | NAVY | ACDU | | 15 | | 15 | | 15 | | 15 | | 15 |
| | | SELRES | | 1 | | 1 | | 1 | | 1 | | 1 |
| MTU-4032 NAMTRAU Norfolk | | | | | | | | | | | | |
| | NAVY | ACDU | | 95 | | 98 | | 95 | | 95 | | 95 |
| | | SELRES | | 4 | | 4 | | 4 | | 4 | | 4 |
| | | TOTAL: | | 115 | | 118 | | 115 | | 115 | | 115 |

CIN, COURSE TITLE: E-646-7007, General Shipboard /NAS Weapons Department Maintenance
COURSE LENGTH: 6.0 Weeks **TOUR LENGTH:** 60 Months
ATTRITION Navy: 10% USMC: 0% **BACKOUT FACTOR:** 0.12

| TRAINING ACTIVITY | SOURCE | ACDU/TAR SELRES | CFY03 | | FY04 | | FY05 | | FY06 | | FY07 | |
|----------------------------------|--------|--------------------|-------|-----|------|-----|------|-----|------|-----|------|-----|
| | | | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL |
| MTU-4033 NAMTRAU, North Island | | | | | | | | | | | | |
| | NAVY | ACDU | | 72 | | 68 | | 68 | | 68 | | 68 |
| | | SELRES | | 1 | | 1 | | 1 | | 1 | | 1 |
| MTU-4035 NAMTRAU, Whidbey Island | | | | | | | | | | | | |
| | NAVY | ACDU | | 33 | | 33 | | 33 | | 33 | | 33 |
| | | TOTAL: | | 106 | | 102 | | 102 | | 102 | | 102 |

CIN, COURSE TITLE: M-646-7026, Aircraft Ordnance Intermediate Maintenance
COURSE LENGTH: 11.0 Weeks **TOUR LENGTH:** 36 Months
ATTRITION Navy: 0% USMC: 0% **BACKOUT FACTOR:** 0.22

| TRAINING ACTIVITY | SOURCE | ACDU/TAR SELRES | CFY03 | | FY04 | | FY05 | | FY06 | | FY07 | |
|--|--------|--------------------|-------|-----|------|-----|------|-----|------|-----|------|-----|
| | | | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL |
| MTU-4034 NAMTRA MARUNIT, MCAS Cherry Point | | | | | | | | | | | | |
| | USMC | USMC | | 220 | | 220 | | 220 | | 220 | | 220 |
| | | AR | | 6 | | 6 | | 6 | | 6 | | 6 |
| | | SMCR | | 9 | | 9 | | 9 | | 9 | | 9 |
| | | TOTAL: | | 235 | | 235 | | 235 | | 235 | | 235 |

PART III - TRAINING REQUIREMENTS

The following elements are not affected by the AIM-120 Advanced Medium Range Air-to-Air Missile and, therefore, are not included in Part III of this NTSP:

III.A.1. Initial Training Requirements

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

PART III - TRAINING REQUIREMENTS

III.A. TRAINING COURSE REQUIREMENTS

III.A.2. FOLLOW-ON TRAINING

III.A.2.a. EXISTING COURSES

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

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

| CFY03 | | FY04 | | FY05 | | FY06 | | FY07 | | |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 15 | | 15 | | 15 | | 15 | | 15 | ATIR |
| | 14 | | 14 | | 14 | | 14 | | 14 | Output |
| | 1.9 | | 1.9 | | 1.9 | | 1.9 | | 1.9 | AOB |
| | 1.9 | | 1.9 | | 1.9 | | 1.9 | | 1.9 | Chargeable |

SOURCE: NAVY **STUDENT CATEGORY:** SELRES

| CFY03 | | FY04 | | FY05 | | FY06 | | FY07 | | |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 1 | | 1 | | 1 | | 1 | | 1 | ATIR |
| | 1 | | 1 | | 1 | | 1 | | 1 | Output |
| | 0.1 | | 0.1 | | 0.1 | | 0.1 | | 0.1 | AOB |
| | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | Chargeable |

TRAINING ACTIVITY: MTU-4032
LOCATION, UIC: NAMTRAU Norfolk, 66046

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

| CFY03 | | FY04 | | FY05 | | FY06 | | FY07 | | |
|-------|------|------|------|------|------|------|------|------|------|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 151 | | 95 | | 98 | | 95 | | 95 | ATIR |
| | 86 | | 88 | | 86 | | 86 | | 86 | Output |
| | 12.1 | | 12.5 | | 12.1 | | 12.1 | | 12.1 | AOB |
| | 12.1 | | 12.5 | | 12.1 | | 12.1 | | 12.1 | Chargeable |

SOURCE: NAVY **STUDENT CATEGORY:** SELRES

| CFY03 | | FY04 | | FY05 | | FY06 | | FY07 | | |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 4 | | 4 | | 4 | | 4 | | 4 | ATIR |
| | 4 | | 4 | | 4 | | 4 | | 4 | Output |
| | 0.5 | | 0.5 | | 0.5 | | 0.5 | | 0.5 | AOB |
| | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | Chargeable |

III.A.2.a. EXISTING COURSES

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

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

| CFY03 | | FY04 | | FY05 | | FY06 | | FY07 | | |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 72 | | 68 | | 68 | | 68 | | 86 | ATIR |
| | 65 | | 61 | | 61 | | 61 | | 61 | Output |
| | 7.9 | | 7.4 | | 7.4 | | 7.4 | | 7.4 | AOB |
| | 7.9 | | 7.4 | | 7.4 | | 7.4 | | 7.4 | Chargeable |

SOURCE: NAVY **STUDENT CATEGORY:** SELRES

| CFY03 | | FY04 | | FY05 | | FY06 | | FY07 | | |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 1 | | 1 | | 1 | | 1 | | 1 | ATIR |
| | 1 | | 1 | | 1 | | 1 | | 1 | Output |
| | 0.1 | | 0.1 | | 0.1 | | 0.1 | | 0.1 | AOB |
| | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | Chargeable |

TRAINING ACTIVITY: MTU-4035
LOCATION, UIC: NAMTRAU Whidbey Island, 66058

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

| CFY03 | | FY04 | | FY05 | | FY06 | | FY07 | | |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 33 | | 33 | | 33 | | 33 | | 33 | ATIR |
| | 30 | | 30 | | 30 | | 30 | | 30 | Output |
| | 3.6 | | 3.6 | | 3.6 | | 3.6 | | 3.6 | AOB |
| | 3.6 | | 3.6 | | 3.6 | | 3.6 | | 3.6 | Chargeable |

CIN, COURSE TITLE: M-646-7026, Aircraft Ordnance Intermediate Maintenance
TRAINING ACTIVITY: MTU-4034 NAMTRA MARU
LOCATION, UIC: MCAS Cherry Point, 45483

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

| CFY03 | | FY04 | | FY05 | | FY06 | | FY07 | | |
|-------|------|------|------|------|------|------|------|------|------|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 226 | | 226 | | 226 | | 226 | | 226 | ATIR |
| | 226 | | 226 | | 226 | | 226 | | 226 | Output |
| | 47.7 | | 47.7 | | 47.7 | | 47.7 | | 47.7 | AOB |
| | 47.7 | | 47.7 | | 47.7 | | 47.7 | | 47.7 | Chargeable |

III.A.2.a. EXISTING COURSES

SOURCE: USMC

STUDENT CATEGORY: SMCR

| CFY03 | | FY04 | | FY05 | | FY06 | | FY07 | | |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 9 | | 9 | | 9 | | 9 | | 9 | ATIR |
| | 9 | | 9 | | 9 | | 9 | | 9 | Output |
| | 1.9 | | 1.9 | | 1.9 | | 1.9 | | 1.9 | 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-120 Advanced Medium Range Air-to-Air Missile and, therefore, are not included in Part IV of this NTSP:

IV.B.1. Training Services

IV.C. Facility Requirements

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

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

IV.C.3. Facility Project Summary by Program

NOTE: No new or modified training facilities are required for the AIM-120A/B/C.

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-646-2011, Aviation Ordnanceman Common Core Class A1 | | | | | | |
| C-646-2012, 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 | LAU-127A/A launcher | | 2 | NA | GFE | On board |
| 002 | ADU-629/E N ₂ receiver insert adapter | | 1 | NA | GFE | On board |
| 003 | ADU-729/E N ₂ receiver transport adapter | | 1 | NA | GFE | On board |
| 004 | A/E37T-35 CRALTS | | 1 | NA | GFE | On board |
| SPTE | | | | | | |
| 001 | AN/AWM-96 | | 1 | NA | GFE | On board |
| 002 | Launcher Detent Test Set | | 1 | NA | GFE | On board |
| 003 | Detent Test Adapter Block | | 1 | NA | GFE | On board |
| 004 | Umbilical Mechanism Adjustment Tool | | 1 | NA | GFE | On board |
| 005 | Dampener/Striker Point Gauge Set | | 1 | NA | GFE | On board |
| 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 | | | | | | |
| ITEM NUMBER | EQUIPMENT | TYPE OR RANGE OF REPAIR PARTS | QUANT REQD | DATE REQD | GFE CFE | STATUS |
| TTE | | | | | | |
| 001 | LAU-127A/A launcher | | 2 | NA | GFE | On board |
| 005 | CNU-415C/E container | | 1 | NA | GFE | On board |
| SPTE | | | | | | |
| 001 | AN/AWM-96 | | 1 | NA | GFE | On board |
| 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 | | | | | | |
| ITEM NUMBER | EQUIPMENT | TYPE OR RANGE OF REPAIR PARTS | QUANT REQD | DATE REQD | GFE CFE | STATUS |
| TTE | | | | | | |
| 001 | LAU-127A/A launcher | | 2 | NA | GFE | On board |
| 005 | CNU-415C/E container | | 1 | NA | GFE | On board |
| SPTE | | | | | | |
| 001 | AN/AWM-96 | | 1 | NA | GFE | On board |

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

| | | | | | | |
|---|---|--------------------------------------|-------------------|------------------|----------------|-----------------------|
| TRAINING ACTIVITY: MTU-4030 NAMTRAGRUDET | | | | | | |
| LOCATION, UIC: NS Mayport, 66069 | | | | | | |
| CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missiles Intermediate Maintenance C-646-4109, Weapons Department General Aviation Ordnance | | | | | | |
| ITEM NUMBER | EQUIPMENT | TYPE OR RANGE OF REPAIR PARTS | QUANT REQD | DATE REQD | GFE CFE | STATUS |
| SPTE 006 | CFMRE or similar | | 1 | NA | GFE | See Note ¹ |
| TRAINING ACTIVITY: MTU-4032 NAMTRAU | | | | | | |
| LOCATION, UIC: NAS Norfolk, 66046 | | | | | | |
| CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missiles Intermediate Maintenance C-646-3118, Strike Armament Systems Intermediate Maintenance C-646-4109, Weapons Department General Aviation Ordnance | | | | | | |
| ITEM NUMBER | EQUIPMENT | TYPE OR RANGE OF REPAIR PARTS | QUANT REQD | DATE REQD | GFE CFE | STATUS |
| TTE 001 | LAU-127A/A launcher | | 2 | NA | GFE | On board |
| 002 | ADU-629/E N ₂ receiver | | 1 | NA | GFE | On board |
| 003 | insert adapter ADU-729/E N ₂ receiver | | 1 | NA | GFE | On board |
| 004 | transport adapter A/E37T-35 CRALTS | | 3 | NA | GFE | On board |
| SPTE 002 | Launcher Detent Test Set | | 1 | NA | GFE | On board |
| 003 | Detent Test Adapter Block | | 1 | NA | GFE | On board |
| 004 | Umbilical Mechanism Adjustment Tool | | 1 | NA | GFE | On board |
| 005 | Dampener/Striker Point Gauge Set | | 1 | NA | GFE | On board |
| 006 | CFMRE or similar | | 1 | NA | GFE | See Note ⁷ |

¹ CFMRE (AN/GYQ-75A(V)) is no longer available to procure due to component obsolescence and subsequent prohibitive costs. Follow-on/replacement CFMRE systems will be procured for I-level Schoolhouses.

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

TRAINING ACTIVITY: MTU-4033 NAMTRAU
LOCATION, UIC: NAS North Island, 66065
CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missiles Intermediate Maintenance
 C-646-3118, Strike Armament Systems Intermediate Maintenance
 C-646-4109, Weapons Department General Aviation Ordnance

| <u>ITEM NUMBER</u> | <u>EQUIPMENT</u> | <u>TYPE OR RANGE OF REPAIR PARTS</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>GFE CFE</u> | <u>STATUS</u> |
|--------------------|--|--------------------------------------|-------------------|------------------|----------------|-----------------------|
| TTE | | | | | | |
| 001 | LAU-127A/A launcher | | 2 | NA | GFE | On board |
| 002 | ADU-629/E N ₂ receiver insert adapter | | 1 | NA | GFE | On board |
| 003 | ADU-729/E N ₂ receiver transport adapter | | 1 | NA | GFE | On board |
| 004 | A/E37T-35 CRALTS | | 3 | NA | GFE | On board |
| SPTE | | | | | | |
| 002 | Launcher Detent Test Set | | 1 | NA | GFE | On board |
| 003 | Detent Test Adapter Block | | 1 | NA | GFE | On board |
| 004 | Umbilical Mechanism Adjustment Tool | | 1 | NA | GFE | On board |
| 005 | Dampener/Striker Point Gauge Set | | 1 | NA | GFE | On board |
| 006 | CFMRE or similar | | 1 | NA | GFE | See Note ⁷ |

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

| <u>ITEM NUMBER</u> | <u>EQUIPMENT</u> | <u>TYPE OR RANGE OF REPAIR PARTS</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>GFE CFE</u> | <u>STATUS</u> |
|--------------------|--|--------------------------------------|-------------------|------------------|----------------|-----------------------|
| TTE | | | | | | |
| 001 | LAU-127A/A launcher | | 2 | NA | GFE | On board |
| 002 | ADU-629/E N ₂ receiver insert adapter | | 1 | NA | GFE | On board |
| 003 | ADU-729/E N ₂ receiver transport adapter | | 1 | NA | GFE | On board |
| 004 | A/E37T-35 CRALTS | | 6 | NA | GFE | On board |
| SPTE | | | | | | |
| 002 | Launcher Detent Test Set | | 1 | NA | GFE | On board |
| 003 | Detent Test Adapter Block | | 1 | NA | GFE | On board |
| 004 | Umbilical Mechanism Adjustment Tool | | 1 | NA | GFE | On board |
| 005 | Dampener/Striker Point Gauge Set | | 1 | NA | GFE | On board |
| 006 | CFMRE or similar | | 1 | NA | GFE | See Note ⁷ |

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

| | | | | | | |
|--|---------------------|--------------------------------------|-------------------|------------------|----------------|-----------------------|
| TRAINING ACTIVITY: MTU-4035 NAMTRAU LOCATION, UIC: NAS Whidbey Island, 66058 CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missiles Intermediate Maintenance C-646-4109, Weapons Department General Aviation Ordnance | | | | | | |
| ITEM NUMBER | EQUIPMENT | TYPE OR RANGE OF REPAIR PARTS | QUANT REQD | DATE REQD | GFE CFE | STATUS |
| SPT 006 | CFMRE or similar | | 1 | NA | GFE | See Note ⁷ |
| TRAINING ACTIVITY: NAVSCOLEOD/ LOCATION, UIC: Eglin AFB, 62640 CIN, COURSE TITLE: A-431-0011 EOD Phase II Navy A-431-0012 EOD Phase II | | | | | | |
| ITEM NUMBER | EQUIPMENT | TYPE OR RANGE OF REPAIR PARTS | QUANT REQD | DATE REQD | GFE CFE | STATUS |
| TTE 001 | LAU-127A/A launcher | | 1 | NA | GFE | On board |
| TRAINING ACTIVITY: EODTEU ONE LOCATION, UIC: San Diego, 30302 CIN, COURSE TITLE: G-431-0001 Navy EOD Team Training | | | | | | |
| ITEM NUMBER | EQUIPMENT | TYPE OR RANGE OF REPAIR PARTS | QUANT REQD | DATE REQD | GFE CFE | STATUS |
| TTE 001 | LAU-127A/A launcher | | 1 | NA | GFE | On board |
| TRAINING ACTIVITY: EODTEU TWO LOCATION, UIC: Fort Story, 43505 CIN, COURSE TITLE: G-431-0001 Navy EOD Team Training | | | | | | |
| ITEM NUMBER | EQUIPMENT | TYPE OR RANGE OF REPAIR PARTS | QUANT REQD | DATE REQD | GFE CFE | STATUS |
| TTE 001 | LAU-127A/A launcher | | 1 | NA | GFE | On board |

IV.A.2. TRAINING DEVICES

| | |
|-------------------------------|---|
| DEVICE: | Captive Air Training Missile (CATM) |
| DESCRIPTION OF DEVICE: | CATM is a replica of the AMRAAM, not currently flight-certified, ballasted to replicate the actual size, weight, and center of gravity of the tactical missile. |
| MANUFACTURER: | Marvin Engineering |
| CONTRACT NUMBER: | FO826-92-0011 |
| TEE STATUS: | NA |

| TRAINING ACTIVITY LOCATION, UIC | QUANT REQD | DATE REQD | RFT DATE | STATUS | COURSES SUPPORTED |
|---|-----------------------|----------------------|---------------------|---------------|------------------------------|
| AO "A1" School NATTC NAS Pensacola, 63093 | | | | | C-646-2011 C-646-2012 |
| CATM-120B | 2 | | | On board | |
| CATM-120C | 2 | | | On board | |
| SFWS Atlantic NAS Cecil Field, 47084 | | | | | D-646-0640 D-646-0647 |
| CATM-120B | 4 | | | On board | |
| CATM-120C | 4 | | | On board | |
| SFWS Pacific NAS Lemoore, 35185 | | | | | E-646-0640 E-646-0647 |
| CATM-120B | 4 | | | On board | |
| CATM-120C | 4 | | | On board | |
| MTU-4030 NAMTRAGRU DET NS Mayport, 66069 | | | | | C-122-3111 |
| CATM-120B | 2 | | | On board | |
| CATM-120C | 2 | | | On board | |
| MTU-4032 NAMTRAU NAS Norfolk, 66046 | | | | | C-122-3111 |
| CATM-120B | 2 | | | On board | |
| CATM-120C | 2 | | | On board | |
| MTU-4033 NAMTRAU NAS North Island, 66065 | | | | | C-122-3111 |
| CATM-120B | 2 | | | On board | |
| CATM-120C | 2 | | | On board | |
| MTU-4034 NAMTRAMARU MCAS Cherry Point, 66047 | | | | | C-646-3105 |
| CATM-120B | 2 | | | On board | |
| CATM-120C | 2 | | | On board | |

IV.A.2. TRAINING DEVICES

| <u>TRAINING ACTIVITY LOCATION, UIC</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>RFT DATE</u> | <u>STATUS</u> | <u>COURSES SUPPORTED</u> |
|---|-----------------------|----------------------|---------------------|---------------|--|
| MTU-4035 NAMTRAU NAS Whidbey Island, 66058 | | | | | C-122-3111 |
| CATM-120B | 2 | FY99 | FY00 | Available | |
| CATM-120C | 2 | FY99 | FY00 | Available | |
| NAF Washington Andrews AFB, Maryland, 00166 | | | | | F/A-18 Conventional Weapons Loading |
| CATM-120B | 2 | | | On board | |
| CATM-120C | 2 | | | On board | |
| NAS Atlanta Marietta, Georgia, 00196 | | | | | F/A-18 Conventional Weapons Loading |
| CATM-120B | 2 | | | On board | |
| CATM-120C | 2 | | | On board | |
| Joint Reserve Base (JRB) New Orleans New Orleans, Louisiana, 00206 | | | | | F/A-18 Conventional Weapons Loading |
| CATM-120B | 2 | | | On board | |
| CATM-120C | 2 | | | On board | |
| JRB Fort Worth Fort Worth, Texas, 00215 | | | | | F/A-18 Conventional Weapons Loading |
| CATM-120B | 2 | | | On board | |
| CATM-120C | 2 | | | On board | |
| TOTAL: | 56 | | | | |

| | |
|-------------------------------|--|
| DEVICE: | AMRAAM Captive Carriage Reliability Vehicle (CCRV) |
| DESCRIPTION OF DEVICE: | The AMRAAM CCRV is a tactical missile with inert armament and propulsion sections. It is used at SFWSL and SFWSP for the AMRAAM CWTPPI because it allows post-load BIT to complete the AMRAAM loading checklist. |
| MANUFACTURER: | Raytheon Missile Systems Company |
| CONTRACT NUMBER: | NA. |
| TEE STATUS: | NA |

| <u>TRAINING ACTIVITY LOCATION, UIC</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>RFT DATE</u> | <u>STATUS</u> | <u>COURSES SUPPORTED</u> |
|--|-----------------------|----------------------|---------------------|---------------|------------------------------|
| SFWS Atlantic NAS Cecil Field, 47084 | 2 | | | On board | D-646-0640 D-646-0647 |
| SFWS Pacific NAS Lemoore, 35185 | 2 | | | On board | D-646-0640 D-646-0647 |

| | |
|-------------------------------|--|
| DEVICE: | CNU-555/E, CATM-120 (series) Shipping Container |
| DESCRIPTION OF DEVICE: | CNU-555/E is a replica of the AMRAAM shipping container, CNU-415C/E. |
| MANUFACTURER: | Marvin Engineering |
| CONTRACT NUMBER: | FO826-92-0011 |
| TEE STATUS: | NA |

IV.A.2. TRAINING DEVICES

| <u>TRAINING ACTIVITY LOCATION, UIC</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>RFT DATE</u> | <u>STATUS</u> | <u>COURSES SUPPORTED</u> |
|--|-----------------------|----------------------|---------------------|------------------------------------|-------------------------------------|
| AO "A1" School NATTC NAS Pensacola, 63093 | 1 | | | Retrofit Scheduled ² | C-646-2011 C-646-2012 |
| MTU-4030 NAMTRAGRU DET NS Mayport, 66069 | 2 | | | Retrofit Completed | C-122-3111 |
| MTU-4032 NAMTRAU NAS Norfolk, 66046 | 1 | | | Retrofit Scheduled | C-122-3111 |
| MTU-4033 NAMTRAU NAS North Island, 66065 | 2 | | | Retrofit Completed | C-122-3111 |
| MTU-4034 NAMTRAMARU MCAS Cherry Point, 66047 | 2 | | | Retrofit Completed | C-646-3105 |
| MTU-4035 NAMTRAU NAS Whidbey Island, 66058 | 2 | | | Retrofit Scheduled | C-122-3111 |
| NAF Washington Andrews AFB, Maryland, 00166 | 1 | | | Retrofit Scheduled | Conventional Weapons Proficiency |
| JRB Atlanta Marietta, Georgia, 00196 | 1 | | | Retrofit Scheduled | Conventional Weapons Proficiency |
| JRB New Orleans New Orleans, Louisiana, 00206 | 1 | | | Retrofit Scheduled | Conventional Weapons Proficiency |
| JRB Fort Worth Fort Worth, Texas, 00215 | 1 | | | Retrofit Scheduled | Conventional Weapons Proficiency |
| TOTAL: | 12 | | | | |

| | |
|-------------------------------|--|
| DEVICE: | Practical Explosive Ordnance Disposal System Trainer (PEST) |
| DESCRIPTION OF DEVICE: | The AIM-120 PEST is a full scale model of the AIM-120A, having approximately the same weight and center of gravity as the tactical missile. The AIM-120 PEST is used in the field for hands-on training and practice of rendering safe procedures. The AIM-120 PEST has easily replaceable parts that are built into the missile where EOD procedures indicate destructive type work for EOD training. Electrical parts not required for EOD procedures are identical in external configuration, weight, and center of gravity but are not functional. |
| MANUFACTURER: | Chamberline Manufacturing Corporation |
| CONTRACT NUMBER: | FO8635-82-0001 |
| TEE STATUS: | NA |

| <u>TRAINING ACTIVITY LOCATION, UIC</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>RFT DATE</u> | <u>STATUS</u> | <u>COURSES SUPPORTED</u> |
|--|-----------------------|----------------------|---------------------|---------------|------------------------------|
| NAVSCOLEOD/ Eglin AFB, 62640 | 1 | | | On board | A-431-0011 A-431-0012 |
| EODTEU ONE San Diego, 30202 | 1 | | | On board | G-431-0001 |
| EODTEU TWO | 1 | | | On board | G-431-0001 |

² The container interlock feature, introduced in the CNU-415C/E, will be replicated in the CATM container, CNU-555/E. Retrofit kits have been purchased and retrofit teams have scheduled visits to the training locations to retrofit the containers.

Fort Story, 43505

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

| | | | |
|--|--------------------------|-------------------------|----------------------|
| TRAINING ACTIVITY: VFA-106 LOCATION, UIC: NAS Cecil Field, 09679 CIN, COURSE TITLE: D-2A-0601, F/A-18 Fleet Replacement Pilot Cat 1 D-2A-0602, F/A-18 Fleet Replacement Pilot Cat 2A D-2A-0604, F/A-18 Fleet Replacement Pilot Cat 3A D-2A-0606, F/A-18 Fleet Replacement Pilot Cat 4 | | | |
| <u>TYPE OF MATERIAL OR AID</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| SFTS Online/AMRAAM ICW | 1 Set | FY98 | On board |
| 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 | | | |
| <u>TYPE OF MATERIAL OR AID</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| SFTS Online/AMRAAM ICW | 1 Set | FY98 | On board |
| 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 | | | |
| <u>TYPE OF MATERIAL OR AID</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| SFTS Online/AMRAAM ICW | 1 Set | FY98 | On board |
| TRAINING ACTIVITY: SFWS Atlantic LOCATION, UIC: NAS Cecil Field, 40784 CIN, COURSE TITLE: Strike Fighter Advanced Readiness Program (SFARP) Strike Fighter Weapons Employment (SFWE) | | | |
| <u>TYPE OF MATERIAL OR AID</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| SFTS Online/AMRAAM ICW | 1 Set | FY98 | On board |
| TRAINING ACTIVITY: SFWS Pacific LOCATION, UIC: NAS Lemoore, 35185 CIN, COURSE TITLE: SFARP SFWE | | | |
| <u>TYPE OF MATERIAL OR AID</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| SFTS Online/AMRAAM ICW | 1 Set | FY98 | On board |

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

| | | | |
|---|--------------------------|-------------------------|----------------------|
| TRAINING ACTIVITY: NSAWC 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) Curricula | | | |
| <u>TYPE OF MATERIAL OR AID</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| SFTS Online/AMRAAM ICW | 1 Set | FY98 | On board |
| 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) | | | |
| <u>TYPE OF MATERIAL OR AID</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| SFTS Online/AMRAAM ICW | 1 Set | FY98 | On board |
| TRAINING ACTIVITY: F/A-18 Squadrons LOCATION, UIC: See Below CIN, COURSE TITLE: SFTP and Training & Readiness (T&R) | | | |
| <u>TYPES OF MATERIAL OR AID:</u> SFTS Online/AMRAAM ICW | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| VFA-22, NAS Lemoore, 09561 | 1 Set | FY98 | On board |
| VFA-25, NAS Lemoore, 09637 | 1 Set | FY98 | On board |
| VFA-94, NAS Lemoore, 09295 | 1 Set | FY98 | On board |
| VFA-97, NAS Lemoore, 63923 | 1 Set | FY98 | On board |
| VFA-113, NAS Lemoore, 09092 | 1 Set | FY98 | On board |
| VFA-115, NAS Lemoore, 09604 | 1 Set | FY98 | On board |
| VFA-137, NAS Lemoore, 55142 | 1 Set | FY98 | On board |
| VFA-146, NAS Lemoore, 09063 | 1 Set | FY98 | On board |
| VFA-147, NAS Lemoore, 63925 | 1 Set | FY98 | On board |
| VFA-151, NAS Lemoore, 09558 | 1 Set | FY98 | On board |
| VFA-27, NAS Yokosuka, 65185 | 1 Set | FY98 | On board |
| VFA-154, NAS Yokosuka, 09678 | 1 Set | FY98 | On board |
| VFA-192, NAS Yokosuka, 55179 | 1 Set | FY98 | On board |
| VFA-195, NAS Yokosuka, 09706 | 1 Set | FY98 | On board |
| VFA-127, NAS Fallon, 08956 | 1 Set | FY98 | On board |
| VFC-13 (TAR), NAS Fallon, 52995 | 1 Set | FY98 | On board |
| VFA-15, NAS Oceana, 09015 | 1 Set | FY98 | On board |
| VFA-34, NAS Oceana, 09070 | 1 Set | FY98 | On board |
| VFA-37, NAS Oceana, 09478 | 1 Set | FY98 | On board |
| VFA-81, NAS Oceana, 09221 | 1 Set | FY98 | On board |
| VFA-82, NAS Oceana, 09122 | 1 Set | FY98 | On board |

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

| <u>TYPES OF MATERIAL OR AID:</u> SFTS Online/AMRAAM ICW | <u>QUANT</u> | <u>DATE</u> | <u>STATUS</u> |
|--|---------------------|--------------------|----------------------|
| | <u>REQD</u> | <u>REQD</u> | |
| VFA-83, NAS Oceana, 09223 | 1 Set | FY98 | On board |
| VFA-86, MCAS Beaufort, 09943 | 1 Set | FY98 | On board |
| VFA-87, MCAS Beaufort, 63922 | 1 Set | FY98 | On board |
| VFA-105, NAS Oceana, 65183 | 1 Set | FY98 | On board |
| VFA-131, NAS Oceana, 63934 | 1 Set | FY98 | On board |
| VFA-136, NAS Oceana, 55141 | 1 Set | FY98 | On board |
| VFC-12 (TAR), NAS Oceana, 52994 | 1 Set | FY98 | On board |
| VFA-203 (TAR), NAS Atlanta, 09030 | 1 Set | FY98 | On board |
| VFA-204 (TAR), NAS JRB New Orleans, 09032 | 1 Set | FY98 | On board |
| VX-1, NAS Patuxent River, 55600 | 1 Set | FY98 | On board |
| VX-9, NAWCWD China Lake, 55646 | 1 Set | FY98 | On board |
| VX-9 Det, NAWCWD Point Mugu, 09830 | 1 Set | FY98 | On board |

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

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

| <u>TYPES OF MATERIAL OR AID:</u> SFTS Online/AMRAAM ICW | <u>QUANT</u> | <u>DATE</u> | <u>STATUS</u> |
|--|---------------------|--------------------|----------------------|
| | <u>REQD</u> | <u>REQD</u> | |
| VMFA-115, MCAS Beaufort, 09234 | 1 Set | FY98 | On board |
| VMFA-122, MCAS Beaufort, 09407 | 1 Set | FY98 | On board |
| VMFA-251, MCAS Beaufort, 09241 | 1 Set | FY98 | On board |
| VMFA-312, MCAS Beaufort, 09253 | 1 Set | FY98 | On board |
| VMFAAW-224, MCAS Beaufort, 01224 | 1 Set | FY98 | On board |
| VMFAAW-332, MCAS Beaufort, 09501 | 1 Set | FY98 | On board |
| VMFAAW-533, MCAS Beaufort, 09193 | 1 Set | FY98 | On board |
| VMFA-212, MCAS Miramar, 09434 | 1 Set | FY98 | On board |
| VMFA-232, MCAS Miramar, 09242 | 1 Set | FY98 | On board |
| VMFA-235, , MCAS Miramar, 09237 | 1 Set | FY98 | On board |
| VMFA-314, MCAS Miramar, 09230 | 1 Set | FY98 | On board |
| VMFA-323, MCAS Miramar, 09235 | 1 Set | FY98 | On board |
| VMFAAW-121, MCAS Miramar, | 1 Set | FY98 | On board |
| VMFAAW-225, MCAS Miramar, 09232 | 1 Set | FY98 | On board |
| VMFA-112 (AR), 08954 | 1 Set | FY98 | On board |
| VMFA-134 (AR), 09365 | 1 Set | FY98 | On board |
| VMFA-142 (AR), 67243 | 1 Set | FY98 | On board |
| VMFA-321 (AR), 67235 | 1 Set | FY98 | On board |

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

| | | | |
|---|--------------------------|-------------------------|----------------------|
| TRAINING ACTIVITY: NATTC AO "A" School LOCATION, UIC: NAS Pensacola, 63082 CIN, COURSE TITLE: C-646-2011, Aviation Ordnanceman Common Core Class A1 C-646-2012, Aviation Ordnanceman Navy Difference Training Strand Class A1 | | | |
| <u>TYPE OF MATERIAL OR AID</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| AMRAAM Loading & Handling ICW | 1 Set | | On board |
| 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 | | | |
| <u>TYPE OF MATERIAL OR AID</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| AMRAAM Loading & Handling ICW | 1 Set | | On board |
| 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 | | | |
| <u>TYPE OF MATERIAL OR AID</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| AMRAAM Loading & Handling ICW | 1 Set | | On board |
| TRAINING ACTIVITY: MTU-4030 NAMTRAGRUDET LOCATION, UIC: NS Mayport, 66069 CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missiles Intermediate Maintenance C-646-3118, Strike Armament Intermediate Maintenance Repair | | | |
| <u>TYPE OF MATERIAL OR AID</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| AMRAAM Loading & Handling ICW | 1 Set | | On board |
| TRAINING ACTIVITY: MTU-4032 NAMTRAU LOCATION, UIC: NAS Norfolk, 66046 CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missiles Intermediate Maintenance C-646-3118, Strike Armament Intermediate Maintenance Repair | | | |
| <u>TYPE OF MATERIAL OR AID</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| AMRAAM Loading & Handling ICW | 1 Set | | On board |
| TRAINING ACTIVITY: MTU-4033 NAMTRAU LOCATION, UIC: NAS North Island, 66065 CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missiles Intermediate Maintenance C-646-3118, Strike Armament Intermediate Maintenance Repair | | | |
| <u>TYPE OF MATERIAL OR AID</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| AMRAAM Loading & Handling ICW | 1 Set | | On board |

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

| | | | |
|--|--------------------------|-------------------------|----------------------|
| TRAINING ACTIVITY: MTU-4034 NAMTRAMARU LOCATION, UIC: MCAS Cherry Point, 66047 CIN, COURSE TITLE: C-646-3105, Aviation Ordnance Intermediate Maintenance Technician | | | |
| <u>TYPE OF MATERIAL OR AID</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| AMRAAM Loading & Handling ICW | 1 Set | | On board |
| TRAINING ACTIVITY: MTU-4035 NAMTRAU LOCATION, UIC: NAS Whidbey Island, 66058 CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missiles Intermediate Maintenance | | | |
| <u>TYPE OF MATERIAL OR AID</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| Source Data for AIM-120C | 1 Set | FY99 | Available |
| TRAINING ACTIVITY: NAVSCOLEOD LOCATION, UIC: Eglin AFB, 62640 CIN, COURSE TITLE: A-431-0011, EOD Phase II (Navy) A-431-0012, EOD Phase II | | | |
| <u>TYPE OF MATERIAL OR AID</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| AMRAAM Loading & Handling ICW | 1 Set | | On board |
| TRAINING ACTIVITY: EODTEU ONE LOCATION, UIC: San Diego, 30202 CIN, COURSE TITLE: G-431-0001, EOD Pre-deployment Team Training | | | |
| <u>TYPE OF MATERIAL OR AID</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| AMRAAM Loading & Handling ICW | 1 Set | | On board |
| TRAINING ACTIVITY: EODTEU TWO LOCATION, UIC: Fort Story, 43505 CIN, COURSE TITLE: G-431-0001, EOD Pre-deployment Team Training | | | |
| <u>TYPE OF MATERIAL OR AID</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| AMRAAM Loading & Handling ICW | 1 Set | | On board |

| | | | |
|--|--------------------------|-------------------------|----------------------|
| TRAINING ACTIVITY: F/A-18 Squadrons/Weapons Department LOCATION, UIC: See Below | | | |
| CIN, COURSE TITLE: Inter-Deployment Training Cycle(IDTC) | | | |
| <u>TYPES OF MATERIAL OR AID:</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| AMRAAM Loading & Handling ICW | | | |
| Carrier Air Wing 2, 09742 | 1 Set | FY98 | On board |
| Carrier Air Wing 5, 09733 | 1 Set | FY98 | On board |
| Carrier Air Wing 9, 09738 | 1 Set | FY98 | On board |

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: F/A-18 Squadrons/Weapons Department

LOCATION, UIC: See Below

CIN, COURSE TITLE: Inter-Deployment Training Cycle(IDTC)

| TYPES OF MATERIAL OR AID: AMRAAM Loading & Handling ICW | QUANT REQD | DATE REQD | STATUS |
|--|-----------------------|----------------------|---------------|
| Carrier Air Wing 11, 09734 | 1 Set | FY98 | On board |
| Carrier Air Wing 14, 09261 | 1 Set | FY98 | On board |
| COMSTRKFIGHTWINGPAC, 09520 | 1 Set | FY98 | On board |
| VFA-22, NAS Lemoore, 09561 | 1 Set | FY98 | On board |
| VFA-25, NAS Lemoore, 09637 | 1 Set | FY98 | On board |
| VFA-94, NAS Lemoore, 09295 | 1 Set | FY98 | On board |
| VFA-97, NAS Lemoore, 63923 | 1 Set | FY98 | On board |
| VFA-113, NAS Lemoore, 09092 | 1 Set | FY98 | On board |
| VFA-115, NAS Lemoore, 09604 | 1 Set | FY98 | On board |
| VFA-122, NAS Lemoore, TBD | 1 Set | FY98 | On board |
| VFA-125, NAS Lemoore, 09485 | 1 Set | FY98 | On board |
| VFA-137, NAS Lemoore, 55142 | 1 Set | FY98 | On board |
| VFA-146, NAS Lemoore, 09063 | 1 Set | FY98 | On board |
| VFA-147, NAS Lemoore, 63925 | 1 Set | FY98 | On board |
| VFA-151, NAS Lemoore, 09558 | 1 Set | FY98 | On board |
| VFA-27, NAF Atsugi, 65185 | 1 Set | FY98 | On board |
| VFA-154, NAF Atsugi, 09678 | 1 Set | FY98 | On board |
| VFA-192, NAF Atsugi, 55179 | 1 Set | FY98 | On board |
| VFA-195, NAF Atsugi, 09706 | 1 Set | FY98 | On board |
| VFA-127, NAS Fallon, 08956 | 1 Set | FY98 | On board |
| VFC-13 (TAR), NAS Fallon, 52995 | 1 Set | FY98 | On board |
| Carrier Air Wing 1, 09732 | 1 Set | FY98 | On board |
| Carrier Air Wing 3, 09731 | 1 Set | FY98 | On board |
| Carrier Air Wing 7, 09736 | 1 Set | FY98 | On board |
| Carrier Air Wing 8, 09748 | 1 Set | FY98 | On board |
| Carrier Air Wing 17, 09745 | 1 Set | FY98 | On board |
| COMSTRKFIGHTWINGLANT, 09103 | 1 Set | FY98 | On board |
| VFA-15, NAS Oceana, 09015 | 1 Set | FY98 | On board |
| VFA-34, NAS Oceana, 09070 | 1 Set | FY98 | On board |
| VFA-37, NAS Oceana, 09478 | 1 Set | FY98 | On board |
| VFA-81, NAS Oceana, 09221 | 1 Set | FY98 | On board |
| VFA-83, NAS Oceana, 09223 | 1 Set | FY98 | On board |
| VFA-87, NAS Oceana, 63922 | 1 Set | FY98 | On board |
| VFA-105, NAS Oceana, 65183 | 1 Set | FY98 | On board |
| VFA-106, NAS Oceana, 09679 | 1 Set | FY98 | On board |
| VFA-131, NAS Oceana, 63934 | 1 Set | FY98 | On board |

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: F/A-18 Squadrons/Weapons Department

LOCATION, UIC: See Below

CIN, COURSE TITLE: Inter-Deployment Training Cycle(IDTC)

| TYPES OF MATERIAL OR AID: AMRAAM Loading & Handling ICW | QUANT REQD | DATE REQD | STATUS |
|--|-----------------------|----------------------|---------------|
| VFA-136, NAS Oceana, 55141 | 1 Set | FY98 | On board |
| VFA-82, MCAS Beaufort, 09122 | 1 Set | FY98 | On board |
| VFA-86, MCAS Beaufort, 09943 | 1 Set | FY98 | On board |
| VFC-12 (TAR), NAS Oceana, 52994 | 1 Set | FY98 | On board |
| Carrier Air Wing Reserve 20, 09393 | 1 Set | FY98 | On board |
| VFA-201 (TAR), JRB Fort Worth, 09309 | 1 Set | FY98 | On board |
| VFA-203 (TAR), JRB Atlanta, 09030 | 1 Set | FY98 | On board |
| VFA-204 (TAR), JRB New Orleans, 09032 | 1 Set | FY98 | On board |
| VX-1, NAS Patuxent River, 55600 | 1 Set | FY98 | On board |
| VX-9, NAWCWD China Lake, 55646 | 1 Set | FY98 | On board |
| VX-9 Det, NAWS Point Mugu, 09830 | 1 Set | FY98 | On board |
| 2 nd MAW Cherry Point, 00201 | 1 Set | FY98 | On board |
| VMFA-115, MCAS Beaufort, 09234 | 1 Set | FY98 | On board |
| VMFA-122, MCAS Beaufort, 09407 | 1 Set | FY98 | On board |
| VMFA-251, MCAS Beaufort, 09241 | 1 Set | FY98 | On board |
| VMFA-312, MCAS Beaufort, 09253 | 1 Set | FY98 | On board |
| VMFA(AW)-224, MCAS Beaufort, 01224 | 1 Set | FY98 | On board |
| VMFA(AW)-332, MCAS Beaufort, 09501 | 1 Set | FY98 | On board |
| VMFA(AW)-533, MCAS Beaufort, 09193 | 1 Set | FY98 | On board |
| 3 rd MAW Miramar, 00300 | 1 Set | FY98 | On board |
| VMFA-212, MCAS Miramar, 09434 | 1 Set | FY98 | On board |
| VMFA-232, MCAS Miramar, 09242 | 1 Set | FY98 | On board |
| VMFA-235, , MCAS Miramar, 09237 | 1 Set | FY98 | On board |
| VMFA-314, MCAS Miramar, 09230 | 1 Set | FY98 | On board |
| VMFA-323, MCAS Miramar, 09235 | 1 Set | FY98 | On board |
| VMFA(AW)-121, MCAS Miramar, 09257 | 1 Set | FY98 | On board |
| VMFA(AW)-225, MCAS Miramar, 09232 | 1 Set | FY98 | On board |
| VMFA(AW)-242, MCAS Miramar, 09668 | 1 Set | FY98 | On board |
| VMFAT-101, MCAS Miramar, 09965 | 1 Set | FY98 | On board |
| 4 th MAW New Orleans, 00400 | 1 Set | FY98 | On board |
| VMFA-112 (AR), JRB Fort Worth, 08954 | 1 Set | FY98 | On board |
| VMFA-134 (AR), MCAS Miramar, 09365 | 1 Set | FY98 | On board |
| VMFA-142 (AR), JRB Atlanta, 67243 | 1 Set | FY98 | On board |
| VMFA-321 (AR), NAF Washington, 67235 | 1 Set | FY98 | On board |
| COMNAVAIRLANT, NAS Norfolk, 57012 | 1 Set | FY98 | On board |

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: F/A-18 Squadrons/Weapons Department

LOCATION, UIC: See Below

CIN, COURSE TITLE: Inter-Deployment Training Cycle(IDTC)

| TYPES OF MATERIAL OR AID: AMRAAM Loading & Handling ICW | QUANT REQD | DATE REQD | STATUS |
|--|-----------------------|----------------------|---------------|
| COMNAVAIRPAC, NAS North Island, 57025 | 1 Set | FY98 | On board |
| NAS Fallon, 60495 | 1 Set | FY98 | On board |
| NAS Key West, 00213 | 1 Set | FY98 | On board |
| NAS Lemoore, 63042 | 1 Set | FY98 | On board |
| NAS North Island, 00246 | 1 Set | FY98 | On board |
| NAS Oceana, 60191 | 1 Set | FY98 | On board |
| NAS Patuxent River, 0428A | 1 Set | FY98 | On board |
| NAS Point Mugu, 0429A | 1 Set | FY98 | On board |
| NS Roosevelt Roads, 00389 | 1 Set | FY98 | On board |
| NAS Whidbey Island, 00620 | 1 Set | FY98 | On board |
| NAF Atsugi, 62507 | 1 Set | FY98 | On board |
| NAF EI Centro, 60042 | 1 Set | FY98 | On board |
| NAWS China Lake, 68937 | 1 Set | FY98 | On board |
| NAWS Point Mugu, 0429A | 1 Set | FY98 | On board |
| NAWMU-1, 52821 | 1 Set | FY98 | On board |
| NAVSUPPFAC Diego Garcia, 68539 | 1 Set | FY98 | On board |
| NAWCAD Patuxent River, 00421 | 1 Set | FY98 | On board |
| NAWCWD Point Mugu, 63126 | 1 Set | FY98 | On board |
| NWTS, China Lake, 39787 | 1 Set | FY98 | On board |
| NWTS, Point Mug, 39788 | 1 Set | FY98 | On board |
| NWS Seal Beach, 60701 | 1 Set | FY98 | On board |
| NWS Yorktown, 69212 | 1 Set | FY98 | On board |
| JRB/NAS Atlanta, 00196 | 1 Set | FY98 | On board |
| JRB/NAS Fort Worth, 83447 | 1 Set | FY98 | On board |
| JRB/NAS New Orleans, 00206 | 1 Set | FY98 | On board |
| JRB Willow Grove, 00158 | 1 Set | FY98 | On board |
| NAF Washington (Andrews AFB), 00166 | 1 Set | FY98 | On board |
| FASOTRAGRULANT (MOTT), NAS Norfolk, 09810 | 1 Set | FY98 | On board |
| FASOTRAGRUPAC DET Fallon (MOTT), NAS Fallon, 39937 | 1 Set | FY98 | On board |
| FASOTRAGRUPAC DET Lemoore, NAS Lemoore, 0347A | 1 Set | FY98 | On board |
| CV-63 USS Kitty Hawk, 03363 | 1 Set | FY98 | On board |
| CV-64 USS Constellation, 03364 | 1 Set | FY98 | On board |
| CVN-65 USS Enterprise, 03365 | 1 Set | FY98 | On board |
| CV-67 USS Kennedy, 03367 | 1 Set | FY98 | On board |
| CVN-68 USS Nimitz, 03368 | 1 Set | FY98 | On board |
| CVN-69 USS Eisenhower, 03369 | 1 Set | FY98 | On board |

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: F/A-18 Squadrons/Weapons Department

LOCATION, UIC: See Below

CIN, COURSE TITLE: Inter-Deployment Training Cycle(IDTC)

| TYPES OF MATERIAL OR AID: AMRAAM Loading & Handling ICW | QUANT REQD | DATE REQD | STATUS |
|--|-----------------------|----------------------|---------------|
| CVN-70 USS Vinson, 20993 | 1 Set | FY98 | On board |
| CVN-71 USS Roosevelt, 21247 | 1 Set | FY98 | On board |
| CVN-72 USS Lincoln, 21297 | 1 Set | FY98 | On board |
| CVN-73 USS Washington, 21412 | 1 Set | FY98 | On board |
| CVN-74 USS Stennis, 21847 | 1 Set | FY98 | On board |
| CVN-75 USS Truman, 21853 | 1 Set | FY98 | On board |
| CVN-76 USS Reagan, BDT | 1 Set | FY04 | Available |
| TAE-26 USNS Kilauea, 42842 | 1 Set | FY98 | On board |
| TAE-27 USNS Butte, 42843 | 1 Set | FY98 | On board |
| TAE-32 USNS Flint, 39536 | 1 Set | FY98 | On board |
| TAE-33 USNS Shasta, 43055 | 1 Set | FY98 | On board |
| TAE-34 USNS Mount Baker, 39537 | 1 Set | FY98 | On board |
| TAE-35 USNS Kiska, 39538 | 1 Set | FY98 | On board |
| COMMARFORLANT, NOB Norfolk, 67025 | 1 Set | FY98 | On board |
| COMMARFORPAC, Camp Smith Hawaii, 67026 | 1 Set | FY98 | On board |
| COMMARFORRES, JRB New Orleans, 67861 | 1 Set | FY98 | On board |
| MCAS Beaufort, 60169 | 1 Set | FY98 | On board |
| MCAS Miramar, 67865 | 1 Set | FY98 | On board |
| MCAS Yuma, 62974 | 1 Set | FY98 | On board |
| MAD China Lake, 67852 | 1 Set | FY98 | On board |
| MAD Patuxent River, 67356 | 1 Set | FY98 | On board |
| MAD Point Mugu, 67414 | 1 Set | FY98 | On board |
| MALS-11 Miramar, 09111 | 1 Set | FY98 | On board |
| MALS-12 Iwakuni, 09377 | 1 Set | FY98 | On board |
| MALS-13 Yuma, 09041 | 1 Set | FY98 | On board |
| MALS-31 Beaufort, 09384 | 1 Set | FY98 | On board |
| MALS-41 Fort Worth, 67239 | 1 Set | FY98 | On board |
| MALS-42 Marietta, 67236 | 1 Set | FY98 | On board |
| MALS-46 Miramar, 67244 | 1 Set | FY98 | On board |
| MASD Andrews, 04801 | 1 Set | FY98 | On board |

IV.B.3. TECHNICAL MANUALS

| | | | | |
|---|----------------------|--------------------------|-------------------------|----------------------|
| TRAINING ACTIVITY: VFA-106 LOCATION, UIC: NAS Cecil Field, 09679 CIN, COURSE TITLE: D-2A-0601, F/A-18 Fleet Replacement Pilot Cat 1 D-2A-0602, F/A-18 Fleet Replacement Pilot Cat 2A D-2A-0604, F/A-18 Fleet Replacement Pilot Cat 3A D-2A-0606, F/A-18 Fleet Replacement Pilot Cat 4 | | | | |
| <u>TECHNICAL MANUAL TITLE, NUMBER</u> | <u>MEDIUM</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| NATOPS Flight Manual Navy Model F/A-18C/D, A1-F18AC-NFM-000 | Hard copy | 6 | | On board |
| NATOPS Pocket Checklist, A1-F18AC-NFM-500 | Hard copy | 6 | | On board |
| Tactical Manual, A1-F18AE-TAC-000 | Hard copy | 6 | | On board |
| Tactical Manual Pocket Guide, A1-F18AC-TAC-300 | Hard copy | 6 | | On board |
| 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 | | | | |
| <u>TECHNICAL MANUAL TITLE, NUMBER</u> | <u>MEDIUM</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| NATOPS Flight Manual Navy Model F/A-18C/D, A1-F18AC-NFM-000 | Hard copy | 6 | | On board |
| NATOPS Pocket Checklist, A1-F18AC-NFM-500 | Hard copy | 6 | | On board |
| Tactical Manual, A1-F18AE-TAC-000 | Hard copy | 6 | | On board |
| Tactical Manual Pocket Guide, A1-F18AC-TAC-300 | Hard copy | 6 | | On board |
| TRAINING ACTIVITY: SFWS Atlantic LOCATION, UIC: NAS Cecil Field, 40784 CIN, COURSE TITLE: SFARP SFWE | | | | |
| <u>TECHNICAL MANUAL TITLE, NUMBER</u> | <u>MEDIUM</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| NATOPS Flight Manual Navy Model F/A-18C/D, A1-F18AC-NFM-000 | Hard copy | 6 | | On board |
| NATOPS Pocket Checklist, A1-F18AC-NFM-500 | Hard copy | 6 | | On board |
| Tactical Manual, A1-F18AE-TAC-000 | Hard copy | 6 | | On board |
| Tactical Manual Pocket Guide, A1-F18AC-TAC-300 | Hard copy | 6 | | On board |

IV.B.3. TECHNICAL MANUALS

| | | | | |
|--|----------------------|--------------------------|-------------------------|----------------------|
| TRAINING ACTIVITY: SFWS Pacific LOCATION, UIC: NAS Lemoore, 35185 CIN, COURSE TITLE: SFARP SFWE | | | | |
| <u>TECHNICAL MANUAL TITLE, NUMBER</u> | <u>MEDIUM</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| NATOPS Flight Manual Navy Model F/A-18C/D, A1-F18AC-NFM-000 | Hard copy | 6 | | On board |
| NATOPS Pocket Checklist, A1-F18AC-NFM-500 | Hard copy | 6 | | On board |
| Tactical Manual, A1-F18AE-TAC-000 | Hard copy | 6 | | On board |
| Tactical Manual Pocket Guide, A1-F18AC-TAC-300 | Hard copy | 6 | | On board |
| 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 | | | | |
| <u>TECHNICAL MANUAL TITLE, NUMBER</u> | <u>MEDIUM</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| NATOPS Flight Manual Navy Model F/A-18C/D, A1-F18AC-NFM-000 | Hard copy | 6 | | On board |
| NATOPS Pocket Checklist, A1-F18AC-NFM-500 | Hard copy | 6 | | On board |
| Tactical Manual, A1-F18AE-TAC-000 | Hard copy | 6 | | On board |
| Tactical Manual Pocket Guide, A1-F18AC-TAC-300 | Hard copy | 6 | | On board |

IV.B.3. TECHNICAL MANUALS

| | | | | | |
|---|----------------------|--------------------------|-------------------------|----------------------|--|
| 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) | | | | | |
| <u>TECHNICAL MANUAL TITLE, NUMBER</u> | <u>MEDIUM</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> | |
| NATOPS Flight Manual Navy Model F/A-18C/D, A1-F18AC-NFM-000 | Hard copy | 6 | | On board | |
| NATOPS Pocket Checklist, A1-F18AC-NFM-500 | Hard copy | 6 | | On board | |
| Tactical Manual, A1-F18AE-TAC-000 | Hard copy | 6 | | On board | |
| Tactical Manual Pocket Guide, A1-F18AC-TAC-300 | Hard copy | 6 | | On board | |
| TRAINING ACTIVITY: AO "A1" School LOCATION, UIC: NATTC , NAS Pensacola, 30459 CIN, COURSE TITLE: C-646-2011, Aviation Ordnanceman Common Core Class A1 C-646-2012, Aviation Ordnanceman Navy Difference Training Strand Class A1 | | | | | |
| <u>TECHNICAL MANUAL TITLE, NUMBER</u> | <u>MEDIUM</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> | |
| Airborne Weapons/Stores Loading Manual, F/A-18A/B/C/D Aircraft A1-F18AE-LWS-000 | Hard copy | 8 | | On board | |
| Release & Control (Missiles), Air to Air A1-F18AE-LWS-210 | Hard copy | 8 | | On board | |
| Checklist - AIM-120 (AMRAAM) A1-F18AE-LWS-510 | Hard copy | 8 | | On board | |
| Fleet Intermediate Maintenance Instructions with IPB, AIM-120 and CATM-120 NA 01-AIM-120-2 | Hard copy | 8 | | On board | |
| Airborne Weapons Assembly Manual, Vol. I, AIM-120 (AMRAAM) NA 11-140-6.1-5 | Hard copy | 8 | | On board | |
| Airborne Weapons Assembly Manual, Vol. III, NA 11-140-6.3 | Hard copy | 8 | | On board | |
| AIM-7, AIM-9, AIM-54, and AIM-120 Guided Missile Work Unit Code Manual NA A1-AIM AA-WUC-800 | Hard copy | 8 | | On board | |
| LAU-127A/A Aircraft Guided Missile Launcher, Intermediate Maintenance with IPB NA 11-75A-514 | Hard copy | 8 | | On board | |

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 | | | | |
|--|---------------|-------------------|------------------|---------------|
| <u>TECHNICAL MANUAL TITLE, NUMBER</u> | <u>MEDIUM</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| Airborne Weapons/Stores Loading Manual, F/A-18A/B/C/D Aircraft A1-F18AE-LWS-000 | Hard copy | 8 | | On board |
| Tactical Manual Pocket Guide, A1-F18AC-TAC-300 | Hard copy | 8 | | On board |
| Release & Control (Missiles), Air to Air A1-F18AE-LWS-210 | Hard copy | 8 | | On board |
| Checklist - AIM-120 (AMRAAM) A1-F18AE-LWS-510 | Hard copy | 8 | | On board |
| AIM-7, AIM-9, AIM-54, and AIM-120 Guided Missile Work Unit Code Manual NA A1-AIM AA-WUC-800 | Hard copy | 8 | | On board |
| Approved Handling Equipment for Weapons and Explosives NA 19-100-1.2 (OP-2173) | Hard copy | 8 | | On board |
| Airborne Weapons Handling Equipment NA 19-100-2 (Shipboard) | Hard copy | 8 | | On board |
| Armament Weapons Support Equipment NA 11-140-25 | Hard copy | 8 | | On board |
| Organizational and Intermediate Manual with IPB, LAU-127A/A NA 11-75A-51A | Hard copy | 8 | | On board |

IV.B.3. TECHNICAL MANUALS

| | | | | |
|--|----------------------|------------------------------|-----------------------------|----------------------|
| 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 | | | | |
| <u>TECHNICAL MANUAL TITLE, NUMBER</u> | <u>MEDIUM</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| Airborne Weapons/Stores Loading Manual, F/A-18A/B/C/D Aircraft A1-F18AE-LWS-000 | Hard copy | 8 | | On board |
| Tactical Manual Pocket Guide, A1-F18AC-TAC-300 | Hard copy | 8 | | On board |
| Release & Control (Missiles), Air to Air A1-F18AE-LWS-210 | Hard copy | 8 | | On board |
| Checklist - AIM-120 (AMRAAM) A1-F18AE-LWS-510 | Hard copy | 8 | | On board |
| AIM-7, AIM-9, AIM-54, and AIM-120 Guided Missile Work Unit Code Manual NA A1-AIM AA-WUC-800 | Hard copy | 8 | | On board |
| Approved Handling Equipment for Weapons and Explosives NA 19-100-1.2 (OP-2173) | Hard copy | 8 | | On board |
| Airborne Weapons Handling Equipment NA 19-100-2 (Shipboard) | Hard copy | 8 | | On board |
| Armament Weapons Support Equipment NA 11-140-25 | Hard copy | 8 | | On board |
| Organizational and Intermediate Manual with IPB, LAU-127A/A NA 11-75A-51A | Hard copy | 8 | | On board |

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 C-646-3118, Strike Armament Intermediate Maintenance Repair | | | | |
| <u>TECHNICAL MANUAL TITLE, NUMBER</u> | <u>MEDIUM</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| Fleet Intermediate Maintenance Instructions with IPB, AIM-120 and CATM-120 NA 01-AIM-120-2 | Hard copy | 13 | | On board |
| Maintenance Instructions with IPB, AIM-120A, AIM-120B, AIM-120C, CATM-120A, CATM-120B, and CATM-120C NA 01-AIM-120-2-1 | Hard copy | 13 | | On board |
| Airborne Weapons Assembly Manual, Vol. I, AIM-120 (AMRAAM) NA 11-140-6.1-5 | Hard copy | 13 | | On board |
| Airborne Weapons Assembly Manual, Vol. III, NA 11-140-6.3 | Hard copy | 13 | | On board |
| AIM-7, AIM-9, AIM-54, and AIM-120 Guided Missile Work Unit Code Manual NA A1-AIM AA-WUC-800 | Hard copy | 13 | | On board |
| AMRAAM AIM-120 Ship Weapons Installation Manual NA 11-120-64 | Hard copy | 13 | | On board |
| Armament Weapons Support Equipment Configuration Manual NA 11-140-25 | Hard copy | 13 | | On board |
| Approved Handling Equipment for Weapons and Explosives NA 19-100-1.2 (OP-2173) | Hard copy | 13 | | On board |
| Airborne Weapons Handling Equipment NA 19-100-2 (Shipboard) | Hard copy | 13 | | On board |
| Intermediate Maintenance with IPB, Armament Weapons Support Equipment NA 19-100-3 | Hard copy | 13 | | On board |
| Intermediate and Depot maintenance Manual with IPB, AMRAAM Containers NA 11-75-65 | Hard copy | 13 | | On board |
| Intermediate and Depot maintenance Manual with IPB, AMRAAM Containers NA 11-75-65 | Hard copy | 13 | | On board |

IV.B.3. TECHNICAL MANUALS

| | | | | |
|--|----------------------|--------------------------|-------------------------|----------------------|
| TRAINING ACTIVITY: MTU-4032 NAMTRAU | | | | |
| LOCATION, UIC: NAS Norfolk, 66046 | | | | |
| CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missiles Intermediate Maintenance C-646-3118, Strike Armament Intermediate Maintenance Repair | | | | |
| <u>TECHNICAL MANUAL TITLE, NUMBER</u> | <u>MEDIUM</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| Fleet Intermediate Maintenance Instructions with IPB, AIM-120 and CATM-120 NA 01-AIM-120-2 | Hard copy | 13 | | On board |
| Maintenance Instructions with IPB, AIM-120A, AIM-120B, AIM-120C, CATM-120A, CATM-120B, and CATM-120C NA 01-AIM-120-2-1 | Hard copy | 13 | | On board |
| Airborne Weapons Assembly Manual, Vol. I, AIM-120 (AMRAAM) NA 11-140-6.1-5 | Hard copy | 13 | | On board |
| Airborne Weapons Assembly Manual, Vol. III, NA 11-140-6.3 | Hard copy | 13 | | On board |
| AIM-7, AIM-9, AIM-54, and AIM-120 Guided Missile Work Unit Code Manual NA A1-AIM AA-WUC-800 | Hard copy | 13 | | On board |
| AMRAAM AIM-120 Ship Weapons Installation Manual NA 11-120-64 | Hard copy | 13 | | On board |
| Armament Weapons Support Equipment Configuration Manual NA 11-140-25 | Hard copy | 13 | | On board |
| Approved Handling Equipment for Weapons and Explosives NA 19-100-1.2 (OP-2173) | Hard copy | 13 | | On board |
| Airborne Weapons Handling Equipment NA 19-100-2 (Shipboard) | Hard copy | 13 | | On board |
| Intermediate Maintenance with IPB, Armament Weapons Support Equipment NA 19-100-3 | Hard copy | 13 | | On board |
| Intermediate and Depot maintenance Manual with IPB, AMRAAM Containers NA 11-75-65 | Hard copy | 13 | | On board |
| Organizational and Intermediate Manual with IPB, LAU-127A/A NA 11-75A-51A | Hard copy | 13 | | On board |
| LAU-127A/A Aircraft Guided Missile Launcher, Intermediate Maintenance with IPB NA 11-75A-514 | Hard copy | 13 | | On board |

IV.B.3. TECHNICAL MANUALS

| | | | | |
|--|----------------------|--------------------------|-------------------------|----------------------|
| TRAINING ACTIVITY: MTU-4033 NAMTRAU | | | | |
| LOCATION, UIC: NAS North Island, 66065 | | | | |
| CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missiles Intermediate Maintenance C-646-3118, Strike Armament Intermediate Maintenance Repair | | | | |
| <u>TECHNICAL MANUAL TITLE, NUMBER</u> | <u>MEDIUM</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| Fleet Intermediate Maintenance Instructions with IPB, AIM-120 and CATM-120 NA 01-AIM-120-2 | Hard copy | 13 | | On board |
| Maintenance Instructions with IPB, AIM-120A, AIM-120B, AIM-120C, CATM-120A, CATM-120B, and CATM-120C NA 01-AIM-120-2-1 | Hard copy | 13 | | On board |
| Airborne Weapons Assembly Manual, Vol. I, AIM-120 (AMRAAM) NA 11-140-6.1-5 | Hard copy | 13 | | On board |
| Airborne Weapons Assembly Manual, Vol. III, NA 11-140-6.3 | Hard copy | 13 | | On board |
| AIM-7, AIM-9, AIM-54, and AIM-120 Guided Missile Work Unit Code Manual NA A1-AIM AA-WUC-800 | Hard copy | 13 | | On board |
| AMRAAM AIM-120 Ship Weapons Installation Manual NA 11-120-64 | Hard copy | 13 | | On board |
| Armament Weapons Support Equipment Configuration Manual NA 11-140-25 | Hard copy | 13 | | On board |
| Approved Handling Equipment for Weapons and Explosives NA 19-100-1.2 (OP-2173) | Hard copy | 13 | | On board |
| Airborne Weapons Handling Equipment NA 19-100-2 (Shipboard) | Hard copy | 13 | | On board |
| Intermediate Maintenance with IPB, Armament Weapons Support Equipment NA 19-100-3 | Hard copy | 13 | | On board |
| Intermediate and Depot maintenance Manual with IPB, AMRAAM Containers NA 11-75-65 | Hard copy | 13 | | On board |
| Organizational and Intermediate Manual with IPB, LAU-127A/A NA 11-75A-51A | Hard copy | 13 | | On board |
| LAU-127A/A Aircraft Guided Missile Launcher, Intermediate Maintenance with IPB NA 11-75A-5141 | Hard copy | 13 | | On board |

IV.B.3. TECHNICAL MANUALS

| | | | | |
|---|----------------------|--------------------------|-------------------------|----------------------|
| TRAINING ACTIVITY: MTU-4034 NAMTRAMARU | | | | |
| LOCATION, UIC: MCAS Cherry Point, 66047 | | | | |
| CIN, COURSE TITLE: C-646-3105, Aviation Ordnance Intermediate Maintenance Technician | | | | |
| <u>TECHNICAL MANUAL TITLE, NUMBER</u> | <u>MEDIUM</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| Fleet Intermediate Maintenance Instructions with IPB, AIM-120 and CATM-120 NA 01-AIM-120-2 | Hard copy | 13 | | On board |
| Maintenance Instructions with IPB, AIM-120A, AIM-120B, AIM-120C, CATM-120A, CATM-120B, and CATM-120C NA 01-AIM-120-2-1 | Hard copy | 13 | | On board |
| Airborne Weapons Assembly Manual, Vol. I, AIM-120 (AMRAAM) NA 11-140-6.1-5 | Hard copy | 13 | | On board |
| Airborne Weapons Assembly Manual, Vol. III, NA 11-140-6.3 | Hard copy | 13 | | On board |
| AIM-7, AIM-9, AIM-54, and AIM-120 Guided Missile Work Unit Code Manual NA A1-AIM AA-WUC-800 | Hard copy | 13 | | On board |
| AMRAAM AIM-120 Ship Weapons Installation Manual NA 11-120-64 | Hard copy | 13 | | On board |
| Armament Weapons Support Equipment Configuration Manual NA 11-140-25 | Hard copy | 13 | | On board |
| Approved Handling Equipment for Weapons and Explosives NA 19-100-1.2 (OP-2173) | Hard copy | 13 | | On board |
| Airborne Weapons Handling Equipment NA 19-100-2 (Shipboard) | Hard copy | 13 | | On board |
| Intermediate Maintenance with IPB, Armament Weapons Support Equipment NA 19-100-3 | Hard copy | 13 | | On board |
| Expeditionary Airfield Tactical Weapons Support Equipment AG-000AO-MEB-000 | Hard copy | 13 | | On board |
| Intermediate and Depot maintenance Manual with IPB, AMRAAM Containers NA 11-75-65 | Hard copy | 13 | | On board |
| Organizational and Intermediate Manual with IPB, LAU-127A/A NA 11-75A-51A | Hard copy | 13 | | On board |
| LAU-127A/A Aircraft Guided Missile Launcher, Intermediate Maintenance with IPB NA 11-75A-514 | Hard copy | 13 | | On board |

IV.B.3. TECHNICAL MANUALS

| | | | | |
|---|----------------------|--------------------------|-------------------------|----------------------|
| TRAINING ACTIVITY: MTU-4035 NAMTRAU | | | | |
| LOCATION, UIC: NAS Whidbey Island, 66058 | | | | |
| CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missiles Intermediate Maintenance | | | | |
| <u>TECHNICAL MANUAL TITLE, NUMBER</u> | <u>MEDIUM</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| Fleet Intermediate Maintenance Instructions with IPB, AIM-120 and CATM-120 NA 01-AIM-120-2 | Hard copy | 13 | | Available |
| Maintenance Instructions with IPB, AIM-120A, AIM-120B, AIM-120C, CATM-120A, CATM-120B, and CATM-120C NA 01-AIM-120-2-1 | Hard copy | 13 | | Available |
| Airborne Weapons Assembly Manual, Vol. I, AIM-120 (AMRAAM) NA 11-140-6.1-5 | Hard copy | 13 | | Available |
| Airborne Weapons Assembly Manual, Vol. III, NA 11-140-6.3 | Hard copy | 13 | | Available |
| AIM-7, AIM-9, AIM-54, and AIM-120 Guided Missile Work Unit Code Manual NA A1-AIM AA-WUC-800 | Hard copy | 13 | | Available |
| AMRAAM AIM-120 Ship Weapons Installation Manual NA 11-120-64 | Hard copy | 13 | | Available |
| Armament Weapons Support Equipment Configuration Manual NA 11-140-25 | Hard copy | 13 | | Available |
| Approved Handling Equipment for Weapons and Explosives NA 19-100-1.2 (OP-2173) | Hard copy | 13 | | Available |
| Airborne Weapons Handling Equipment NA 19-100-2 (Shipboard) | Hard copy | 13 | | Available |
| Intermediate Maintenance with IPB, Armament Weapons Support Equipment NA 19-100-3 | Hard copy | 13 | | Available |
| Intermediate and Depot maintenance Manual with IPB, AMRAAM Containers NA 11-75-65 | Hard copy | 13 | | Available |
| TRAINING ACTIVITY: NAVSCOLEOD | | | | |
| LOCATION, UIC: Eglin AFB, 62640 | | | | |
| CIN, COURSE TITLE: A-431-0011, EOD Phase II (Navy) A-431-0012, EOD Phase II | | | | |
| <u>TECHNICAL MANUAL TITLE, NUMBER</u> | <u>MEDIUM</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| Explosive Ordnance Disposal Book, EODB6OG-02-2-34-5 | CD-ROM | 150 | | On board |
| Airborne Weapons/Stores Loading Manual, F/A-18A/B/C/D Aircraft A1-F18AE-LWS-000 | Hard copy | 8 | | On board |
| Organizational and Intermediate Manual | Hard copy | 8 | | On board |

IV.B.3. TECHNICAL MANUALS

| | | | | |
|---|----------------------|--------------------------|-------------------------|----------------------|
| with IPB, LAU-127A/A NA 11-75A-51A | | | | |
| Fleet Intermediate Maintenance Instructions with IPB, AIM-120 and CATM-120 NA 01-AIM-120-2 | Hard copy | 8 | | On board |
| TRAINING ACTIVITY: EODTEU ONE | | | | |
| LOCATION, UIC: San Diego, 30202 | | | | |
| CIN, COURSE TITLE: G-431-0001, EOD Pre-deployment Team Training | | | | |
| <u>TECHNICAL MANUAL TITLE, NUMBER</u> | <u>MEDIUM</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| Explosive Ordnance Disposal Book, EODB6OG-02-2-34-5 | CD-ROM | 4 | | On board |
| Airborne Weapons/Stores Loading Manual, F/A-18A/B/C/D Aircraft A1-F18AE-LWS-000 | Hard copy | 8 | | On board |
| Organizational and Intermediate Manual with IPB, LAU-127A/A NA 11-75A-51A | Hard copy | 8 | | On board |
| Fleet Intermediate Maintenance Instructions with IPB, AIM-120 and CATM-120 NA 01-AIM-120-2 | Hard copy | 8 | | On board |
| TRAINING ACTIVITY: EODTEU TWO | | | | |
| LOCATION, UIC: Fort Story, 43505 | | | | |
| CIN, COURSE TITLE: G-431-0001, EOD Pre-deployment Team Training | | | | |
| <u>TECHNICAL MANUAL TITLE, NUMBER</u> | <u>MEDIUM</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
| Explosive Ordnance Disposal Book, EODB6OG-02-2-34-5 | CD-ROM | 4 | | On board |
| Airborne Weapons/Stores Loading Manual, F/A-18A/B/C/D Aircraft A1-F18AE-LWS-000 | Hard copy | 8 | | On board |
| Organizational and Intermediate Manual with IPB, LAU-127A/A NA 11-75A-51A | Hard copy | 8 | | On board |
| Fleet Intermediate Maintenance Instructions with IPB, AIM-120 and CATM-120 NA 01-AIM-120-2 | Hard copy | 8 | | On board |

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: NAS, JRB Atlanta
LOCATION, UIC: Marietta, Georgia, 00196
CIN, COURSE TITLE: F/A-18 Conventional Weapons Loading

| <u>TECHNICAL MANUAL TITLE, NUMBER</u> | <u>MEDIUM</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
|---|---------------|-------------------|------------------|---------------|
| Airborne Weapons/Stores Loading Manual, F/A-18A/B/C/D Aircraft A1-F18AE-LWS-000 | Hard copy | 8 | | On board |
| Tactical Manual Pocket Guide, A1-F18AC-TAC-300 | Hard copy | 8 | | On board |
| Release & Control (Missiles), Air to Air A1-F18AE-LWS-210 | Hard copy | 8 | | On board |
| Checklist - AIM-120 (AMRAAM) A1-F18AE-LWS-510 | Hard copy | 8 | | On board |
| AIM-7, AIM-9, AIM-54, and AIM-120 Guided Missile Work Unit Code Manual NA A1-AIM AA-WUC-800 | Hard copy | 8 | | On board |
| Approved Handling Equipment for Weapons and Explosives NA 19-100-1.2 (OP-2173) | Hard copy | 8 | | On board |
| Airborne Weapons Handling Equipment NA 19-100-2 (Shipboard) | Hard copy | 8 | | On board |
| Armament Weapons Support Equipment NA 11-140-25 | Hard copy | 8 | | On board |
| Organizational and Intermediate Manual with IPB, LAU-127A/A NA 11-75A-51A | Hard copy | 8 | | On board |

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: NAF Washington
LOCATION, UIC: Andrews AFB, Maryland 00166
CIN, COURSE TITLE: F/A-18 Conventional Weapons Loading

| <u>TECHNICAL MANUAL TITLE, NUMBER</u> | <u>MEDIUM</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
|---|---------------|-------------------|------------------|---------------|
| Airborne Weapons/Stores Loading Manual, F/A-18A/B/C/D Aircraft A1-F18AE-LWS-000 | Hard copy | 8 | | On board |
| Tactical Manual Pocket Guide, A1-F18AC-TAC-300 | Hard copy | 8 | | On board |
| Release & Control (Missiles), Air to Air A1-F18AE-LWS-210 | Hard copy | 8 | | On board |
| Checklist - AIM-120 (AMRAAM) A1-F18AE-LWS-510 | Hard copy | 8 | | On board |
| AIM-7, AIM-9, AIM-54, and AIM-120 Guided Missile Work Unit Code Manual NA A1-AIM AA-WUC-800 | Hard copy | 8 | | On board |
| Approved Handling Equipment for Weapons and Explosives NA 19-100-1.2 (OP-2173) | Hard copy | 8 | | On board |
| Airborne Weapons Handling Equipment NA 19-100-2 (Shipboard) | Hard copy | 8 | | On board |
| Armament Weapons Support Equipment NA 11-140-25 | Hard copy | 8 | | On board |
| Organizational and Intermediate Manual with IPB, LAU-127A/A NA 11-75A-51A | Hard copy | 8 | | On board |

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: NAS, JRB New Orleans
LOCATION, UIC: New Orleans, Louisiana, 00206
CIN, COURSE TITLE: F/A-18 Conventional Weapons Loading

| <u>TECHNICAL MANUAL TITLE, NUMBER</u> | <u>MEDIUM</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
|---|---------------|-------------------|------------------|---------------|
| Airborne Weapons/Stores Loading Manual, F/A-18A/B/C/D Aircraft A1-F18AE-LWS-000 | Hard copy | 8 | | On board |
| Tactical Manual Pocket Guide, A1-F18AC-TAC-300 | Hard copy | 8 | | On board |
| Release & Control (Missiles), Air to Air A1-F18AE-LWS-210 | Hard copy | 8 | | On board |
| Checklist - AIM-120 (AMRAAM) A1-F18AE-LWS-510 | Hard copy | 8 | | On board |
| AIM-7, AIM-9, AIM-54, and AIM-120 Guided Missile Work Unit Code Manual NA A1-AIM AA-WUC-800 | Hard copy | 8 | | On board |
| Approved Handling Equipment for Weapons and Explosives NA 19-100-1.2 (OP-2173) | Hard copy | 8 | | On board |
| Airborne Weapons Handling Equipment NA 19-100-2 (Shipboard) | Hard copy | 8 | | On board |
| Armament Weapons Support Equipment NA 11-140-25 | Hard copy | 8 | | On board |
| Organizational and Intermediate Manual with IPB, LAU-127A/A NA 11-75A-51A | Hard copy | 8 | | On board |

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: NAS, JRB Fort Worth
LOCATION, UIC: Fort Worth, Texas, 00215
CIN, COURSE TITLE: F/A-18 Conventional Weapons Loading

| <u>TECHNICAL MANUAL TITLE, NUMBER</u> | <u>MEDIUM</u> | <u>QUANT REQD</u> | <u>DATE REQD</u> | <u>STATUS</u> |
|---|---------------|-------------------|------------------|---------------|
| Airborne Weapons/Stores Loading Manual, F/A-18A/B/C/D Aircraft A1-F18AE-LWS-000 | Hard copy | 8 | | On board |
| Tactical Manual Pocket Guide, A1-F18AC-TAC-300 | Hard copy | 8 | | On board |
| Release & Control (Missiles), Air to Air A1-F18AE-LWS-210 | Hard copy | 8 | | On board |
| Checklist - AIM-120 (AMRAAM) A1-F18AE-LWS-510 | Hard copy | 8 | | On board |
| AIM-7, AIM-9, AIM-54, and AIM-120 Guided Missile Work Unit Code Manual NA A1-AIM AA-WUC-800 | Hard copy | 8 | | On board |
| Approved Handling Equipment for Weapons and Explosives NA 19-100-1.2 (OP-2173) | Hard copy | 8 | | On board |
| Airborne Weapons Handling Equipment NA 19-100-2 (Shipboard) | Hard copy | 8 | | On board |
| Armament Weapons Support Equipment NA 11-140-25 | Hard copy | 8 | | On board |
| Organizational and Intermediate Manual with IPB, LAU-127A/A NA 11-75A-51A | Hard copy | 8 | | On board |

PART V - MPT MILESTONES

| COG CODE | MPT MILESTONES | DATE | STATUS |
|---------------------|--|-------------|---------------|
| OPNAV N889H/PMA205 | Approve and promulgate NTP | 9/88 | Completed |
| PMA205/NAWCWD | Commence Initial Training (AIM-120A) | 8/93 | Completed |
| PMA268 | Achieve Navy Initial Operational Capability(AMRAAM) | 9/93 | Completed |
| OPNAV N889H/PMA205 | Approve and promulgate NTP | 8/94 | Completed |
| PMA205/NAWCWD | Commence Initial Training (AIM-120B) | 8/95 | Completed |
| AIR-3.1.1L | Achieve Material Support Date (AIM-120A/B/C) | 12/96 | Completed |
| CNET/MCCDC/SFWS | Commence follow-on/replacement training (AIM-120C included) | 1/97 | Completed |
| OPNAV N889H/PMA205 | Approve and promulgate NTSP | 6/98 | Completed |
| NSAWC/PMA268/PMA205 | Release AMRAAM Aircrew ICW (CD-ROM) | 6/99 | Completed |
| AIR-1.0 | Reorganize PMA268 into PMA259 | 1/01 | Completed |
| NSAWC/PMA259/PMA205 | Update/reformat AMRAAM Aircrew ICW for SFTS Online | 6/01 | Completed |
| PMA205 | Update NTSP – release draft for Fleet comment | 9/02 | Completed |

PART VI - DECISION ITEMS/ACTION REQUIRED

| DECISION ITEM OR ACTION REQUIRED | COMMAND ACTION | DUE DATE | STATUS |
|--|-----------------------|-----------------|--|
| Review the requirement for continued factory operator (aircrew) training for AMRAAM. | PMA268 | Feb 96 | Closed - Determined to be no longer required, NSAWC N7 (TOPGUN) can provide this training. |
| Operator training for the AMRAAM is inadequate. The AMRAAM steering committee has requested additional training development. | PMA205 | Aug 98 | Closed - ICW developed by NSAWC N7/PMA205 |
| Training Equipment Shortfalls for C-646-3105 include LAU-127 | PMA268/AIR-3.1.1L | Jul 97 | Closed |
| Transition AMRAAM BIT and reprogramming tasks from mobile teams to Weapons Department | PMA259M/AIR-3.1.1L | TBD | Open – Training material and aids are in development to support I-level Schools |

PART VII - POINTS OF CONTACT

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