

**DRAFT**

**NAVY TRAINING SYSTEM PLAN**

**FOR THE**

**AGM-65F IMAGING INFRARED MAVERICK MISSILE**

**N88-NTSP-A-50-8501B/D**

**MAY 1998**

**Enclosure (1)**

**AGM-65F IMAGING INFRARED MAVERICK MISSILE**

**EXECUTIVE SUMMARY**

The U.S. Air Force is the Executive Service for development of the AGM-65 Maverick Missile System series. In October 1978, the Air Force began engineering development of the Air Force Imaging Infrared (IIR) Maverick AGM-65D, and in 1980 the Navy started development of the Navy AGM-65F IIR Maverick utilizing a modified IIR tracker from the Air Force AGM-65D Guidance and Control Section (GCS) and the Center-Aft Section (CAS) from the Navy AGM-65E. The AGM-65F IIR Maverick Missile is currently in the Operational Support Phase of the Weapon System Acquisition Process.

The AGM-65F IIR Maverick Missile is designed primarily for use against targets requiring instantaneous or delayed blast fuzing for destruction of hardened ground and waterborne targets during day or night operations and in adverse weather conditions, with sufficient standoff range to permit limited exposures to terminal defenses. The IIR Maverick does not replace any weapons in the current inventory.

The IIR Maverick does not affect current manning levels or existing Navy Enlisted Classification codes and Marine Corps Military Occupational Specialties. Manpower requirements at the organizational, intermediate, and depot level maintenance activities are based upon total workload requirements for a specific work center, and the skills needed to perform maintenance on the systems supported by that work center.

The IIR Maverick operator training is provided at the appropriate Fleet Readiness Squadrons for P-3C pilot and Naval Flight Officer personnel, for F/A-18 pilot and Weapons System Officer personnel, and for AV-8B pilots. Organizational level maintenance training is provided to aviation ordnance personnel in the P-3C community, in the F/A-18 community, and in the AV-8B community at the appropriate Naval Air Maintenance Training Group (NAMTRAGRU) Detachment. Additional training is available at the Strike Fighter Weapons Schools for aircrew and organizational level ordnance personnel. Intermediate level training is provided to Navy and Marine Corps aviation ordnance personnel at the appropriate NAMTRAGRU Detachment.

**AGM-65F IMAGING INFRARED MAVERICK MISSILE**

**TABLE OF CONTENTS**

	<b>Page</b>
Executive Summary.....	i
List of Acronyms.....	iii
Preface.....	vi
 <b>PART I - TECHNICAL PROGRAM DATA</b>	
A. Title-Nomenclature-Program.....	I-1
B. Security Classification .....	I-1
C. Manpower, Personnel, and Training Principals.....	I-1
D. System Description.....	I-2
E. Developmental Test and Operational Test.....	I-2
F. Aircraft and/or Equipment/System/Subsystem Replaced .....	I-2
G. Description of New Development .....	I-2
H. Concepts .....	I-4
I. On-Board (In-Service) Training.....	I-13
J. Logistics Support .....	I-15
K. Schedules .....	I-16
L. Government Furnished Equipment and Contractor Furnished Equipment Training Requirements.....	I-17
M. Related NTSPs and Other Applicable Documents .....	I-18
 <b>PART II - BILLET AND PERSONNEL REQUIREMENTS .....</b>	 II-1
 <b>PART III - TRAINING REQUIREMENTS.....</b>	 III-1
 <b>PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS.....</b>	 IV-1
 <b>PART V - MPT MILESTONES.....</b>	 V-1
 <b>PART VI - DECISION ITEMS/ACTION REQUIRED .....</b>	 VI-1
 <b>PART VII - POINTS OF CONTACT .....</b>	 VII-1

**LIST OF ACRONYMS**

AGM	Air-to-Ground Missile
AIMD	Aircraft Intermediate Maintenance Department
AMIST	Aviation Maintenance In-Service Training
AMTCS	Aviation Maintenance Training Continuum System
AO	Aviation Ordnanceman
ASUWIP	Anti-Surface Warfare Improvement Program
AUR	All-Up-Round
BUPERS	Bureau of Naval Personal
CANTRAC	Catalog of Navy Training Courses
CAS	Center-Aft Section
CATM	Captive Air Training Missile
CEST	Classroom Explosive Ordnance Disposal System Trainer
CIN	Course Identification Number
CINCLANTFLT	Commander in Chief, Atlantic Fleet
CINCPACFLT	Commander in Chief, Pacific Fleet
CMC	Commandant of the Marine Corps
CNET	Chief, Naval Education and Training
CNO	Chief of Naval Operations
COMOPTEVFOR	Commander, Operational Test and Evaluation Force
CWTPI	Conventional Weapons Technical Proficiency Inspection
DA	Developing Agency
DATM	Dummy Air Training Missile
DOP	Designated Overhaul Point
DMSO	Director of Major Staff Office
DT&E	Development, Test, and Evaluation
EOD	Explosive Ordnance Disposal
EODTEU	Explosive Ordnance Disposal Training and Evaluation Unit
FMS	Foreign Military Sales
FRS	Fleet Readiness Squadron
FREST	Fleet Replacement Enlisted Skills Training
FY	Fiscal Year
GCS	Guidance and Control Section
HAS	Hydraulic Actuation System
ILSP	Integrated Logistics Support Plan
IOC	Initial Operational Capability
IIR	Imaging Infrared

**LIST OF ACRONYMS (Continued)**

MALS	Marine Aviation Logistics Squadron
MATMEP	Maintenance Training Management Evaluation Program
MCAS	Marine Corps Air Station
MCCDC	Marine Corps Combat Development Command
META	Maverick Engagement Training Aid
MOS	Military Occupational Specialty
MTIP	Maintenance Training Improvement Program
MTU	Maintenance Training Unit
NALC	Naval Ammunition Logistics Code
NAMTRAGRU	Naval Air Maintenance Training Group
NAS	Naval Air Station
NATSF	Naval Air Technical Services Facility
NATTC	Naval Air Technical Training Center
NAVAIRSYSCOM	Naval Air System Command
NAVSCOLEOD	Naval Explosive Ordnance Disposal School
NAVSURFWARCEN	Naval Surface Warfare Center
NAWMU	Naval Airborne Weapons Maintenance Unit
NAWCWD	Naval Air Warfare Center, Weapons Division
NEC	Navy Enlisted Classification
NFO	Naval Flight Officer
NTSP	Navy Training System Plan
NWS	Naval Weapons Station
OPNAV	Office of the Chief of Naval Operations
OPNAVINST	Office of the Chief of Naval Operations Instruction
OPO	OPNAV Principal Office
OT	Operational Testing
OTMS	OPNAV Training Management System
PDA	Principal Development Activity
PEO	Program Executive Officer
PEST	Practical Explosive Ordnance Disposal System Trainer
PMA	Program Manager Air
PSP	Phased Support Plan
PTT	Part Task Trainer
RFI	Ready For Issue
RFT	Ready For Training
RSP	Rendering Safe Procedure

**LIST OF ACRONYMS (Continued)**

SFWS	Strike Fighter Weapons School
SRA	Shop Replaceable Assembly
SWIP	System Weapon Improvement Program
TA	Training Agency
TACAIR	Tactical Aircraft
TD	Training Devices
TFS	Total Force Structure
TSA	Training Agency
TTE	Technical Training Equipment
WSO	Weapon System Officer

**AGM-65F IMAGING INFRARED MAVERICK MISSILE**

**PREFACE**

This Draft Navy Training System Plan (NTSP) for the AGM-65F Imaging Infrared (IIR) Maverick Missile was prepared by Naval Air Systems Command as part of the regular NTSP update process within guidelines set forth in OPNAVINST 1500.8M. This NTSP reflects changes that have occurred since the approved Navy Training Plan, AGM-65F IIR Imaging Infrared Maverick Missile NTP, dated 7 February 1989.

The major changes and updates to this NTSP consist of:

- PART I** This part shows the deletion of outdated information; incorporation of changes to formal training; updated Training Device allocation listings; identification of “A” School Core and Strand training; “C” School Initial and Career training; deletion and relocation of training sites due to decisions made by the Base Realignment Commission; and the impacts of Marine Corps Military Occupational Specialty consolidations.
- PART II** This part has been recalculated to depict current billet requirements of fleet support units through FY01.
- PART III** In addition to reflecting the changes mentioned above, this part has been recalculated to depict chargeable student billets through FY01.
- PART IV** This part has been updated to reflect changes in training and training logistics support requirements.
- PART V** This part has been updated to include major milestones.
- PART VI** This part identifies significant equipment shortfalls for intermediate maintenance course C-646-3105, Fleet Replacement Enlisted Skills Training (FREST).
- PART VII** This part has been updated to reflect current Points of Contact.

**PART I - TECHNICAL PROGRAM DATA**

**A. TITLE-NOMENCLATURE-PROGRAM**

**1. Title-Nomenclature-Acronym.** AGM-65F IIR Maverick Missile

**2. Program Element.** 0603313N, Appropriation Code 1507N42MV

**B. SECURITY CLASSIFICATION.** Security information for this program is contained in Air Force System Document AGM-65 Missile System, WS D/E/F/G Maverick Security Classification Guide for AGM-65 Missile System (WS-319 D/E/F/G) (Maverick) dated 1 August 1995.

**C. MANPOWER, PERSONNEL, AND TRAINING PRINCIPALS**

OPNAV Principal Official (OPO) Program Sponsor..... CNO (N880D)

OPO Resource Sponsor ..... CNO (N880D)

Marine Corps Program Sponsor..... CMC (APW-23)

Developing Agency (DA) ..... PEO TACAIR (PMA242)

Training Agency (TA)..... CINCLANTFLT  
CINCPACFLT  
CNET  
MCCDC

Training Support Agency (TSA)..... NAVAIRSYSCOM (PMA205)

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

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

Marine Corps Combat Development Command (MCCDC)

Manpower Management ..... TFS Division



## **D. SYSTEM DESCRIPTION**

**1. Operational Uses.** The AGM-65F IIR Maverick Missile, hereafter referred to as IIR Maverick, was designed primarily for destruction of hardened ground and waterborne targets during day or night operations and in adverse weather conditions, with sufficient standoff range to permit limited exposures to terminal defenses. The IIR Maverick's host aircraft are the F/A-18 (Forward Looking Imaging Infrared equipped), the P-3C Anti-Surface Warfare Improvement Program (ASUWIP), and the AV-8B.

**2. Foreign Military Sales.** Italy is a Foreign Military Sales (FMS) participant, Case IT-D-YIF.

## **E. DEVELOPMENTAL TEST AND OPERATIONAL TEST**

**1. Development, Test, and Evaluation.** The Development, Test, and Evaluation (DT&E) launch phase started in May 1983 and was completed in November 1983. DT&E was conducted by Naval Air Warfare Center Weapons Division (NAWCWD), China Lake, California, and NAWCWD, Point Mugu, California.

**2. Operational Evaluation.** Operational Test (OT) OT-IIA was successfully completed in January 1987. OT-IIB was successfully completed in November 1988. OT-IIA and OT-IIB were conducted by Commander, Operational Test and Evaluation Force (COMOPTEVFOR) and Air Test and Evaluation Squadron Five (VX-5) at NAWCWD, China Lake, California.

**F. EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED.** The IIR Maverick does not replace any existing missiles in the Navy or Marine Corps inventory. Aircraft modifications to incorporate IIR Maverick capability into the F/A-18, P-3C ASUWIP, AV-8B, and A-6E SWIP aircraft have been completed.

**G. DESCRIPTION OF NEW DEVELOPMENT.** The U.S. Air Force is the executive service for development of the AGM-65 (series) Maverick Missile. In 1980, the U.S. Navy started development of the IIR Maverick utilizing a modified IR tracker from the AGM-65D and the Center-Aft Section (CAS) from the AGM-65E.

**1. Functional Description.** The IIR Maverick is an Imaging Infrared-guided, rocket-propelled, air-to-ground missile for use against targets requiring warhead penetration prior to detonation. The IIR Maverick is a lock-on before launch, launch and leave missile. The missile is capable of two operator selectable modes of target tracking. The armor or land track mode is optimized for tracking land based targets, such as tanks or fortified emplacements. The ship track mode is optimized for tracking seaborne targets. After launch, automatic missile guidance is provided by an IIR energy sensing and homing seeker. The IIR Maverick employs the Maverick Alternate Warhead (MAW) with a cockpit selectable delay fuze. The warhead is a kinetic energy

penetrator and blast fragmentation warhead. The warhead fuze is initiated by a contact trigger and contains a fuze mechanism which delays arming until safely separated from the launch aircraft. The warhead fuze contains a selectable fuze time delay feature which permits a choice of surface detonation or detonation after penetration.

The LAU-117/A(V)2/A guided missile launcher is designed to carry and launch the AGM-65 E and F Maverick Missile. The launcher is delivered to the organizational level mated to the Maverick missile.

The Navy uses the CNU-447/E extruded aluminum container to ship the IIR Maverick All-Up-Rounds (AURs) and CASs. The container is used to transport repairable AURs and CASs to and from the AUR depot and Designated Overhaul Point (DOP), place Ready For Issue (RFI) AURs in storage, or transport RFI AURs back to the fleet. Damaged containers are repaired at the AUR depots, the DOP, and Naval Weapons Station (NWS) Seal Beach.

**2. Physical Description.** The AGM-65F Missile consists of a modified Air Force AGM-65D Guidance and Control Section (GCS) and the Navy AGM-65E CAS. The AGM-65F GCS contains software modifications to enhance its ship target tracking capability. The IIR Maverick is shipped as an AUR. The dimensions, weight, and major sections are described below:

Length .....	97.7 inches
Diameter .....	12.0 inches
Stabilizer Span .....	28.5 inches
Weight (Prelaunch) .....	669.0 pounds
Weight (GCS).....	110.0 + 1.25 pounds
Center of Gravity .....	47.6 inches aft of nose

**a. Guidance and Control Section.** The GCS contains the IIR seeker, interface electronics, and rate sensor assemblies and dome. This section provides for target detection, tracking and missile guidance. The Navy IIR GCS is capable of being interchanged on a one-for-one basis with the Laser Maverick GCS without changes to the missile center-aft-section.

**b. Center-Aft Section.** The CAS is comprised of the main structure and wing assembly, the Safety Arming Device, warhead, fuzing and fuzing unit, rocket motor, and the Hydraulic Actuation System (HAS).

**c. Launcher (LAU-117/A(V)2/A).** The major dimensions and weight are described below:

Length .....	94.5 inches
Width.....	11.0 inches
Height.....	11.0 inches
Weight.....	130 pounds

**3. New Development Introduction.** The IIR Maverick was introduced as new production. Initial Operational Capability (IOC) for the IIR Maverick was January 1991.

**4. Significant Interfaces.** The IIR Maverick interfaces functionally and physically with the LAU-117/A(V)2/A Launcher and its associated test equipment. The launcher interfaces with the AV-8B, P-3C, and F/A-18 aircraft for electrical power and two-way data transfer between missile and cockpit controls and displays, and provides signals to the missile during captive carriage and for launch. The launcher also provides for missile restraint during aircraft catapult launches, arrested landings, and inadvertent rocket motor ignition.

## H. CONCEPTS

**1. Operational Concept.** The IIR Maverick is deployed by the flight crew.

**2. Maintenance Concept.** Maintenance of the IIR Maverick 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 8600.2 (Series).

**a. Organizational Level.** Organizational maintenance units receive an AUR mated to the launcher. Organizational maintenance is performed by Work Center 230 using Navy Aviation Ordnanceman (AO) personnel with Navy Enlisted Classification (NECs) 8319, 8342, 8819, and 8842, and Marine Corps personnel with Military Occupational Specialty (MOS) 6531. The AN/AWM-92 Aircraft Weapons Circuit Test Set is used at the organizational level to functionally test the aircraft weapons circuits prior to loading the IIR Maverick. The AN/AWM-54 Firing Circuit Test Set and W-30 Igniter Adapter are used at the organizational level to perform stray voltage tests on the launcher igniter connector. Organizational level maintenance tasks include:

- Visual inspection for damage and corrosion
- Visual inspection of missile launcher assembly interface
- Cleaning of external surface and corrosion control
- Aircraft Weapons Control System Check
- Uploading and downloading on aircraft
- Return launcher to Aircraft Intermediate Maintenance Department (AIMD) or Marine Aviation Logistics Squadron (MALS)

**b. Intermediate Level.** Intermediate Maintenance Activities' Weapons Departments (shipboard, Naval Air Station (NAS) and MALS) receive AURs from the NWS,

Marine Corps Air Station (MCAS), or Naval Airborne Weapons Maintenance Unit (NAWMU) and launchers from the supply system or AIMD. IIR Maverick maintenance is performed by Weapons Department Navy AO personnel with NEC 6801 and Marine Corps personnel with MOS 6541. AIMD Work Center 710 Navy AO personnel with NECs 6802 and 6803 and USMC personnel with MOS 6541 functionally test the launcher using the AN/AWM-90 Launcher Test Set. Weapons Department intermediate level maintenance tasks include:

- Visual inspection for damage and corrosion
- Perform corrosion control procedures
- Lubricate missile hook
- De-canning and canning of AUR
- Mating and de-mating of missile with launcher
- Prepare AUR for shipping or storage
- Deliver missile and launcher assembly to organizational level
- Return AUR to NWS, NAWMU, or MCAS
- Return launcher to intermediate level AIMD
- Launcher test using AN/AWM-90 Test Launcher Set at AIMD or MALS

**c. All-Up-Round Depot Level.** NWS Seal Beach (Fallbrook Annex), California, NWS Yorktown, Virginia, and NAWMU One, Guam, are the depot level (AUR) maintenance activities. They are equipped with the TTU-519/E Guided Missile Test Set, the DSM-787 DSM IIR Target Simulator, and maintenance handling equipment. Launchers are not processed through the NWSs or NAWMU. Depot level AUR maintenance tasks include:

- Receipt inspection
- Visual inspection for damage and corrosion
- Cleaning of external surfaces
- Touch-up painting on external surfaces
- Lubricate missile hook
- De-canning and canning of AUR
- Repair of minor structural damage
- Fault isolation by AUR test to faulty section
- GCS or CAS removal and replacement
- Recertification of AUR by retest
- Send faulty section to DOP
- Servicing of HAS reservoir
- Removal and replacement of piston actuator cover, hatch cover, fuselage door, HAS, and ground pin

DOP maintenance is performed at the Ogden Air Logistics Center (OO-ALC), Hill Air Force Base, Utah, in accordance with Depot Maintenance Inter-service Support Agreement number OO-ALC910 ANHD. OO-ALC repairs components that are beyond the capabilities of the NWS or NAWMU. OO-ALC is responsible for maintenance required to restore defective sections and repairable Shop Replaceable Assemblies (SRAs) to original acceptance standards.

This includes test, fault isolation, repair of repairables, removal and replacement of defective components and non-repairable assemblies, corrective action verifications testing, and providing maintenance data to the cognizant surveillance program activity. DOP maintenance for GCSs is performed at Letterkenny Army Depot, Chambersburg, Pennsylvania.

**d. Interim Maintenance.** The IIR Maverick has achieved full organic support. The Navy Support Date was September 1991.

**e. Life Cycle Maintenance Plan.** NA.

**3. Manning Concept.** The IIR Maverick has no impact on existing manpower requirements at organizational, intermediate, or depot level activities. Pilot, Navy Flight Officer (NFO), and aircrew manpower is driven by seat factor and crew ratio. Enlisted manning for USN and USMC fleet squadrons, Fleet Readiness Squadrons, and intermediate maintenance activities is based on the total assigned workload, not only on specific IIR Maverick requirements. Skills required to support the IIR Maverick are considered to be within the capability of existing NECs and MOSs. Refer to Part II for existing USN and USMC intermediate maintenance manpower requirements.

For USN F/A-18 squadrons, the only training events that involve the use of AGM-65F or CATM-65F are event number 40, WAG 18 IIR Maverick Captive Carry, and event number 57, WAG 35 IIR Maverick Shoot. For both events, the requirement is intended to provide missile qualification. The IIR Maverick Shoot is required once every ten years per aircrewman, while the IIR Maverick Captive Carry is required twelve times per year (six shots every 180 days) per aircrewman. Using a worst case of one sortie per IIR Maverick Captive Carry, and based on seventeen aircrewman per squadron, there is a possibility of 206 AGM-65F/CATM-65F loading/downloading cycles per F/A-18 squadron (204 IIR Maverick Captive Carry events plus 2 live shot events). Loading cycles include de-containerizing, transport, assembly, upload, download, disassembly, transport, and containerizing of the AGM-65F or CATM-65F. Thus five F/A-18 AOs (NEC 8342, or 8842) and three Weapons Department AOs (NEC 6801) are required to support annual AGM-65F/CATM-65F loading cycles per F/A-18 squadron, even though only a portion of their workload will be driven by AGM-65F.

For USN P-3 squadrons, the only training events that involve the use of AGM-65F or CATM-65F are event number ASU-1, IIR Maverick MISSILEX Qual and event number ASU-5, ASUX Joint COORDEX Qual. The IIR Maverick MISSILEX Qual is required once every eighteen months per crew, and the ASUX Joint COORDEX Qual is also required once every eighteen months per crew. Using a worst case of one sortie per IIR Maverick Captive Carry, and based on twelve crews per squadron, there is a possibility of 16 AGM-65F/CATM-65F loading/downloading cycles per P-3 squadron (8 for IIR Maverick MISSILEX Qual and 8 for ASUX Joint COORDEX Qual). Loading cycles include de-containerizing, transport, assembly, upload, download, disassembly, transport, and containerizing of the AGM-65F or CATM-65F. Thus five P-3 AOs (NEC 8319, or 8819) and three Weapons Department AOs (NEC 6801) are required to support annual AGM-65F/CATM-65F loading cycles per P-3 squadron, even though only a portion of their workload will be driven by AGM-65F.

For USMC F/A-18 squadrons, the only training events that involve the use of AGM-65F or CATM-65F are event number SWD-373 (for F/A-18A/C) and SWD-380 (for F/A-18D). For both events, the requirement is to employ an IIR Maverick against a surface target. Captive carry constitutes completion. Both SWD-373 and SWD-380 are required twelve times per year per aircrewman. Using a worst case of one sortie per IIR Maverick Captive Carry, and based on seventeen aircrewman per squadron, there is a possibility of 204 AGM-65F/CATM-65F loading/downloading cycles per F/A-18 squadron. Loading cycles include de-containerizing, transport, assembly, upload, download, disassembly, transport, and containerizing of the AGM-65F or CATM-65F. Thus five F/A-18 AOs (MOS 6531) and three MALS AOs (MOS 6541) are required to support annual AGM-65F/CATM-65F loading cycles per F/A-18 squadron, even though only a portion of their workload will be driven by AGM-65F.

A similar logic was applied to the USMC AV-8B aircraft. The result was the same as for the F/A-18 community. Five AV-8 AOs (MOS 6531) and three MALS AOs (6541) are required to support annual AGM-65F/CATM-65F loading cycles per AV-8 squadron, even though only a portion of their workload will be driven by AGM-65F.

**4. Training Concept.** The IIR Maverick training concept is divided into organizational and intermediate level maintenance based on OPNAVINST 4790.2 (Series). Organizational level training is provided to operator and maintenance personnel. Operator training is provided for P-3C pilot and NFO personnel; for F/A-18 pilot and Weapons System Officer (WSO) personnel; and for AV-8B pilots. Organizational level maintenance training is provided to AO personnel in the P-3C community with NECs 8319 and 8819; in the F/A-18 community with NECs 8342 and 8842 and MOS 6531; and in the AV-8B community with MOS 6531. Intermediate level training is provided to maintenance personnel with NECs 6801; and Marine Corps personnel with MOS 6541.

A new training concept for most aviation maintenance training has been established. This concept entails dividing "A" School courses into two or more segments called core and strand, and C1 courses 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 to personnel E-5 and above to enhance their skills and knowledge within their field.

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

**b. Follow-on Training.** Follow-on training for the IIR Maverick is available as part of courses taught at Fleet Readiness Squadrons (FRSs), Maintenance Training Units (MTUs), Fleet Replacement Enlisted Skills Training (FREST) facilities, and Strike Fighter

Weapons Schools (SFWSs). The IIR Maverick causes no change in student throughput or chargeable student billets. Follow-on training courses have all been modified to include the IIR Maverick and are currently on-line.

**(1) Operator Training.** Pilots and NFOs are trained at the appropriate FRS for specific aircraft operation. Operator skills in tactics and ordnance delivery are further enhanced at the SFWS and through on-board proficiency training. Training Devices (TDs) required for follow-on and proficiency operator training include the Part Task Trainer (PTT), the Captive Air Training Missile (CATM), and the Maverick Engagement Training Aid (META).

- **Part Task Trainer.** The PTT is a computer-based weapon system training device developed for use by F/A-18 aircrews. The PTT provides missile and operational procedures familiarization as well as proficiency training in launch and control techniques and will not take the place of formalized training.
- **Captive Air Training Missile.** The CATM-65F is an inert, captive flight training missile permitting realistic exercise of the IIR Maverick. The CATM airborne operation provides direct comparison with actual weapon firings by simulation without expending the missile.
- **Maverick Engagement Training Aid.** The META is a computer-based, interactive training software package designed for fleet use to assist aircrews in acquiring the necessary understanding of the IIR Maverick and operational factors that affect weapon performance. The software currently runs on the Aviation Multi-function Electronic Warfare Trainer, and consists of a tutorial, an exercise generator, and an engagement scenario.

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

<b>COURSE NUMBER</b>	<b>COURSE TITLE</b>	<b>RFT DATE INCLUDING IIR MAVERICK</b>
D/E-2A-0601	F/A-18 Fleet Replacement Pilot Cat 1	On-line
D/E-2A-0602	F/A-18 Fleet Replacement Pilot Cat 2A	On-line
D/E-2A-0604	F/A-18 Fleet Replacement Pilot Cat 3A	On-line
D/E-2A-0606	F/A-18 Fleet Replacement Pilot Cat 4	On-line
None (USMC)	F/A-18D Fleet Replacement Pilot Cat 1	On-line
None (USMC)	F/A-18D Fleet Replacement Pilot Cat 2	On-line
None (USMC)	F/A-18D Fleet Replacement Pilot Cat 3	On-line
None (USMC)	F/A-18D Fleet Replacement Pilot Cat 4	On-line
None (USMC)	F/A-18D (WSO) Cat 1	On-line
None (USMC)	F/A-18D (WSO) Cat 2	On-line

<b>COURSE NUMBER</b>	<b>COURSE TITLE</b>	<b>RFT DATE INCLUDING IIR MAVERICK</b>
None (USMC)	F/A-18D (WSO) Cat 3	On-line
None (USMC)	F/A-18D (WSO) Cat 4	On-line
None (USMC)	AV-8B Pilot Basic	On-line
None (USMC)	AV-8B Pilot Transition	On-line
None (USMC)	AV-8B Pilot Conversion	On-line
None (USMC)	AV-8B Pilot Refresher	On-line
D-2A-1101	P-3C and P-3C Update III Replacement Pilot Cat 1	On-line
D-2A-1102	P-3C and P-3C Update III Replacement Pilot Cat 2	On-line
D-2A-1111	P-3C and P-3C Update III Replacement Pilot Cat 1 TRK	On-line
D-2A-1113	P-3C and P-3C Update III Replacement Pilot (PXO) CAT 3 Pipeline	On-line
D-2D-1101	P-3C and P-3C Update III Replacement NFO Cat 1	On-line
D-2D-1102	P-3C and P-3C Update III Replacement NFO Cat 2	On-line
D-2D-1107	P-3C and P-3C Update III Post Command NFO Cat 4	On-line
D-2D-1111	P-3C and P-3C Update III Replacement NFO Cat 1 TRK	On-line
D-2D-1112	P-3C and P-3C Update III Replacement NFO Cat 2 TRK	On-line
D-2D-1116	P-3C and P-3C Update III Replacement NFO Cat 5 TRK	On-line
D-600-XXXB	P-3C and P-3C Update III AIP Pilot Transition Training	On-line
D-600-XXXD	P-3C and P-3C Update III AIP NFO Transition Training	On-line

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

- **Dummy Air Training Missile.** The DATM-65E/F is physically representative of the IIR Maverick. It is a training device to facilitate instruction and familiarization for transporting, handling, loading, and visual inspection procedures for organizational and intermediate level training purposes. The DATM is not certified for flight, and is designed for ground training use only.

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



<b>COURSE NUMBER</b>	<b>COURSE TITLE</b>	<b>TRACK NUMBER</b>	<b>RFT DATE INCLUDING IIR MAVERICK</b>
C-646-9973	F/A-18 Stores Management System (Initial) Organizational Maintenance	D/E-646-0653 D/E-646-0654	On-line
C-646-9974	F/A-18 Stores Management System Organizational Maintenance (Career)	D/E-646-0641	On-line
D/E-646-0640	F/A-18 Conventional Weapons Loading	D/E-646-0653	On-line
D/E-646-0647	F/A-18 Conventional Release System Test	D/E-646-0653	On-line
C-646-9888	AV-8B Aircraft Ordnance Technician Integrated Organizational Maintenance	M-646-0143	On-line
C-646-3893	AV-8B Conventional Weapons Loading	M-646-0143	On-line

**Note:** P-3C AO personnel no longer have formal training available to receive NEC 8319. NEC 8319 is now earned through On-the-Job-Training .

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

The following courses have been updated to include IIR Maverick data:

Title .....	Air Launched Guided Missiles Intermediate Maintenance
CIN .....	C-122-3111 (part of D/E-646-7007)
Model Manager...	MTU 4030, Naval Air Maintenance Training Group Detachment (NAMTRAGRU DET) Mayport
Description .....	From Catalog of Navy Training Courses (CANTRAC): To provide ordnance personnel with knowledge of the Sparrow, Sidewinder, Phoenix, Sidearm, Shrike, Maverick, Harpoon, SLAM, HARM, Walleye, TALD, and Air Nitrogen Purifier Units.
Locations .....	MTU 4030, NAMTRAGRU DET, NAS Mayport, Florida MTU 4032, NAMTRAGRU DET, NAS Norfolk, Virginia MTU 4033, NAMTRAGRU DET, NAS North Island, California
Length .....	11 days
RFT date .....	Currently available
Source rating .....	AO
Skill identifier .....	6801 awarded upon completion of track D/E-646-7007
TTE/TD .....	DATM-65E/F

Prerequisite .....	AO A1 or equivalent
Title .....	Aviation Ordnance Intermediate Maintenance Technician
CIN .....	C-646-3105 (part of M-646-7026)
Model Manager...	VMAT-203
Description .....	From CANTRAC: To provide ordnance personnel with knowledge required by USMC personnel working on ordnance/armament in the AIMD environment.
Location .....	VMAT-203 FREST, MCAS Cherry Point, North Carolina
Length .....	93 days
RFT date .....	Currently available
Skill identifier .....	MOS 6541 awarded upon completion of track M-646-7026
TTE/TD .....	DATM-65E/F
Prerequisite .....	Security clearance: Confidential

**NOTE:** C-646-3105, Aviation Ordnance Intermediate Maintenance Technician, as part of track M-646-7026, is currently 93 days long. During the initial teaching of the course, the instructors from VMAT-203 identified areas where time could possibly be deleted from C-646-3105 without compromising the content of the course. The Instructional Systems Development Group, attached to VMAT-203, will evaluate this information and determine what will be deleted from C-646-3105. If this course is reduced in length, it will reduce average-on-board and chargeable student billet requirements. Updated information about this course will be included into this NTSP when the appropriate decisions are made available.

**(4) Explosive Ordnance Disposal Training.** Explosive Ordnance Disposal Training is conducted at Naval Surface Warfare Center (NAVSURFWARCEN), Indian Head, Maryland. The TDs required for Explosive Ordnance Disposal (EOD) training are the Practical Explosive Ordnance Disposal System Trainer (PEST) and the Classroom Explosive System Trainer (CEST):

- **Practical Explosive Ordnance Disposal System Trainer.** The IIR Maverick PEST is a full scale model fabricated from actual hardware, having approximately the same weight and center of gravity as the tactical missile. The PEST is used for teaching Rendering Safe Procedures (RSP).
- **Classroom Explosive System Trainer.** The IIR Maverick CEST is an inert cutaway model displaying locations and types of explosive and hazardous materials, initiators, igniters, and fuze.

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

Title ..... EOD Phase II (Navy)  
 CIN ..... A-431-0011  
 Model Manager... Naval Explosive Ordnance Disposal School  
 (NAVSCOLEOD)  
 Description ..... From CANTRAC: To provide training in the best methods  
 and procedures for recovery, evaluation, and disposal of  
 surface and underwater explosive ordnance, nuclear weapons,  
 and diving techniques related to EOD.  
 Location ..... NAVSCOLEOD, NAVSURFWARCEN Indian Head,  
 Maryland  
 Length ..... 213 days  
 RFT date ..... Currently available  
 Source ratings ..... Thirty-one source ratings listed in the NEC manual  
 Skill identifiers .... NEC 5332, Navy Officer Billet Code 9230  
 TTE/TD ..... PEST, CEST  
 Prerequisite ..... Extensive; see CANTRAC for detailed listing.

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

Title ..... EOD Pre-deployment Team Training  
 CIN ..... G-431-0001  
 Model Manager... EOD Technical Evaluation Unit (EODTEU) TWO  
 Description..... From CANTRAC: To provide advanced and specialized  
 training for established EOD teams and training prior to  
 deployment of shipboard EOD teams.  
 Locations..... EODTEU ONE, Barbers Point, Hawaii  
 EODTEU TWO, Fort Story, Virginia  
 Length ..... 31 days  
 RFT date ..... Currently available  
 Source rating ..... General

Skill identifier ..... None  
 TTE/TD ..... See Part IV  
 Prerequisite ..... Extensive; see CANTRAC for detailed listing.

**c. Student Profiles**

<b>SKILL IDENTIFIER</b>	<b>PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS</b>
AO 6801 or MOS 6541	C-646-2011, Aviation Ordnance “Class A1” School (Common Core)  and C-646-2012, Aviation Ordnance “Class A1” School (Airwing Strand)  or C-646-2013, Aviation Ordnance “Class A1” School (Weapons Department Strand)

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

<b>TRACK NUMBER</b>	<b>TRACK TITLE</b>
D/E-646-7007	Air Launched Guided Missiles Intermediate Maintenance
M-646-7026	Aviation Ordnance Technician Intermediate Maintenance

**I. ON-BOARD (IN-SERVICE) TRAINING**

**1. Proficiency or Other Training Organic to the New Development.** The Maintenance Training Improvement Program (MTIP) will be used to establish an effective and efficient training system that is responsive to fleet training requirements. MTIP is the comprehensive testing of one's knowledge. It consists of a bank of test questions that are managed through automated data processing. The Deputy Chief of Staff for Training will assist in the development of MTIP by providing those question banks (software) already developed by the Navy. MTIP will be implemented in accordance with OPNAVINST 4790.2 (Series), and will be used to establish an effective and efficient training system that is responsive to fleet training requirements. MTIP is a training management tool that, through diagnostic testing, identifies individual training deficiencies at both the organizational and intermediate levels of maintenance. MTIP will allow increased effectiveness in the application of training resources through identification of skills and knowledge deficiencies at the activity, work center, or individual

technician level. Remedial training will be concentrated where needed to combat identified skill and knowledge shortfalls.

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

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

Pilot and NFO weapons proficiency training is accomplished in three steps: Academic, Simulator, and Captive Carry:

- **Academic.** Selected squadron aircrewmen receive in depth classroom weapon training from an appropriate source (contractor, weapons school, etc.) to become the squadron subject matter expert on the selected weapon. The subject matter expert then returns to the squadron and holds academic training with the squadron aircrew. As an option to this step, all the squadron's aircrew would attend an academic class held at the appropriate weapons school to fulfill the academic requirement.
- **Simulator.** The appropriate weapons tactical trainer is set up by the squadron for the aircrewmen to gain required proficiency prior to captive carry of the selected weapon.
- **Captive Carry.** The selected training weapon is loaded on an aircraft at which time the aircrewmen will gain proficiency and final qualification on the selected weapon.

## **2. Personnel Qualification Standards. NA.**

**3. Other On-Board or In-service Training Packages.** Marine Corps on-board training is based on the current series of MCO P4790.12, Individual Training Standards System and Marine Aviation Training Management Evaluation Program (MATMEP). This program is designed to meet Marine Corps, as well as Navy OPNAVINST 4790.2 (Series), maintenance training requirements. It is a performance-based, standardized, level-progressive, documentable, training management and evaluation program. It identifies and prioritizes task inventories by MOS through a front-end analysis process that identifies task, skill, and knowledge requirements

of each MOS. MTIP questions coupled to MATMEP tasks will help identify training deficiencies that can be addressed with remedial training.

The Conventional Weapon Technical Proficiency Inspection. (CWTPI) is a graded inspection administered by either Strike Fighter Weapons School Pacific or Atlantic. The CWTPI covers all areas of conventional weapon load and release, and control systems checks. The inspection evaluates the squadron's ability to correctly wire-check, upload & download conventional ordnance, use applicable publications, and place ordnance on its designated target. The squadron inspection is conducted annually, six months prior to deployment, or at the request of the squadron's Commanding Officer. A written examination is required by all personnel, including squadron pilots, directly involved in the inspection. There is 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 pilots proficiency to deliver weapons on target. Pre-inspection training is provided by the appropriate SFWS followed by the CWTPI. The CWTPI determines the need for further conventional weapons load training of squadron AO and Aviation Electronics Technician personnel at the appropriate SFWS.

The USMC fighter and attack wings are scheduled by Headquarters, Marine Corps for a yearly Marine Corps 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 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.

## **J. LOGISTICS SUPPORT**

### **1. Manufacturer and Contract Numbers**

<b>CONTRACT NUMBER</b>	<b>MANUFACTURER</b>	<b>ADDRESS</b>
F33657-78-C-0468	Hughes Aircraft Company	Tucson, Arizona
F33657-86-C-2138	Raytheon	Bristol, Tennessee
F33657-86-C-0130		
F33657-88-C-0033		
F33657-89-C-0003		
F33657-89-C-0004		
F33657-90-C-0020		

**2. Program Documentation.** The current Integrated Logistics Support Plan (ILSP) is ILSP No. MS-063, approved August 1991. Program Manager, Air (PMA)242 plans to update this plan in FY97.

**3. Technical Data Plan.** Naval Air Systems Command (NAVAIRSYSCOM) has designated the Naval Air Technical Services Facility (NATSF) as the central agency for procurement and distribution control of technical manuals. As part of this responsibility, NATSF maintains an automated file of fleet and field publication requirements for each activity. Manuals required to support the IIR Maverick are listed in Section 7.6 of ILSP No. MS-063. Manuals required for training are currently available and listed in element IV.B.3 of this NTSP.

**4. Test Sets, Tools, and Test Equipment.** Test set, tools, and test equipment required to support the IIR Maverick are listed in section 7.4 of ILSP No. MS-063. The TTU-519/E Guided Missile Test Set is used in conjunction with the DSM-787 DSM IIR Target Simulator at the AUR depots to test IIR Maverick and CATM-65F missiles and fault isolate to a section (GCS or CAS).

The AN/AWM-92 Aircraft Weapons Circuit Test Set is used at the organizational level to functionally test the aircraft weapons circuits prior to loading the aircraft. The AN/AWM-54 Firing Circuit Test Set and W-30 Igniter adapter are used at the organizational level to perform stray voltage tests on the launcher igniter connector. The AN/AWM-90 Launcher Test Set is used at intermediate level activities to functionally test the launcher and fault isolate to an SRA. The AN/AWM-92, AN/AWM-54, and AN/AWM-90 are not unique to the IIR Maverick.

**5. Repair Parts.** The IIR Maverick supply support program is a joint effort between Navy and Air Force supply activities. Requirements for all levels of maintenance were identified and acquired during the provisioning process to ensure availability of spare and repair parts during the Initial Operating Capability and throughout the life-cycle. The Navy Inventory Control Point provides all common consumable and repairable items and acquires peculiar and unique consumable and repairable items for organizational and intermediate levels of maintenance by submitting a funded requisition to the Air Force. The Air Force will procure, stock, and issue unique depot level items in accordance with the Depot Maintenance Inter-service Support Agreement. The Navy Material Support Date was attained in first quarter FY92.

**6. Human Systems Integration.** NA.

## **K. SCHEDULES**

**1. Schedule of Events.** Fleet introduction of the IIR Maverick occurred in January 1991. All fleet deliveries are complete. The Navy Support Date was attained in September 1991. All training activities are currently RFT.

**a. Installation and Delivery Schedules.** IIR Maverick schedules are classified and are contained in the Weapon Systems Planning Document for the AGM-65F IIR Maverick Missile System, NAVAIRNOTE C13100 of 5 January 1996.

**b. Ready for Operational Use Schedule.** The IIR Maverick is currently considered to be ready for operational use.

**c. Time Required to Install at Operational Sites.** No time is required, since the IIR Maverick is delivered as an All-Up-Round.

**d. Foreign Military Sales and Other Source Delivery Schedules.** Information on FMS deliveries must be obtained through PMA242.

**e. Training Devices and Delivery Schedule.** Since both the Laser Maverick and the IIR Maverick are physically similar, all DATMs will be collectively shared by activities for load drill training. One hundred ten CATM-65Fs and 15 DATM-65E/Fs have been delivered to the fleet. Element IV.A.2 of this NTSP contains information on locations of Training Devices as of March 1997. Current asset status and location can be obtained from the Conventional Ammunition Integrated Management System (CAIMS).

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



## M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS

<b>DOCUMENT OR NTSP TITLE</b>	<b>DOCUMENT OR NTSP NUMBER</b>	<b>PDA CODE</b>	<b>STATUS</b>
AV-8B Harrier II Weapons System	A-50-8210D/A	PMA257	Approved August 1994
F/A-18 Weapon System	A-50-7703G/D	PMA265	Draft June 1997
AGM-65E Laser Maverick Missile System	A-50-8201C/D	PMA242	Approved June 1994
AGM-65E/F Laser/IIR Maverick ILSP	ILSP NO: MS-063	PDA AIR-3.1.1K	August 1991
AGM-65E/F Laser/IIR Maverick Phase Support Plan	PSP NO: MS-063	AIR 3.1.1K	Approved September 1991
P-3C Update III Aircraft and ASUWIP	A-50-8112B/D	PMA205-8B1	Draft May 1996
Weapon System Planning Document for the AGM-65F IIR Maverick Missile System	NAVAIRNOTE C13100	PMA242	Approved 5 January 1994
WS D/E/F/G Maverick Security Classification Guide for AGM-65 Missile System		USAF	Approved 1 August 1995

**PART II - BILLET AND PERSONNEL REQUIREMENTS**

The following elements are not affected by the AGM-65F; therefore, they are not included in Part II of this NTSP:

II.B. Personnel Requirements

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

**NOTE 1:** This section of the AGM-65F NTSP reflects maintenance billet and personnel requirements for the AGM-65F. It is a compilation of four organizational and one intermediate level NEC (AO 8319, AO 8342, AO 8819, AO 8842 and AO 6801, respectively) and one organizational and one intermediate level MOS (6531 and 6541, respectively) with associated billets. The addition of the AGM-65F 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 AGM-65F; 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 AGM-65F.

**NOTE 2:** All billets identified in this section are programmed through other NTSPs, e.g., F/A-18 NTSP, AV-8 NTSP, P-3 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 AGM-65F.

**NOTE 3:** There are no plans to outfit Reserve P-3 squadrons with AGM-65F capability. However, numerous Reserve P-3 squadrons have received aircrew/maintenance training for AGM-65F to supplement Fleet P-3 squadron requirements when deployed.

May 1997

## PART II - BILLET AND PERSONNEL REQUIREMENTS

## II.A. BILLET REQUIREMENTS

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

SOURCE: NAVAIRSYSCOM PMA242/PMA205

DATE: 12/97

ACTIVITY	UIC	PFYs	CFY98	FY99	FY00	FY01	FY02
<b>OPERATIONAL</b>	<b>NAVY</b>						
NAVWPNTSTRON CL	39787	1	0	0	0	0	0
NAVWPNTSTRON PM	39788	1	0	0	0	0	0
NAVSTKAIRSTRON	39783	1	0	0	0	0	0
VX-9	55646	1	0	0	0	0	0
VFA-106	09679	1	0	0	0	0	0
VFA-125	09485	1	0	0	0	0	0
VFA-15	09015	1	0	0	0	0	0
VFA-34	09070	1	0	0	0	0	0
VFA-37	09478	1	0	0	0	0	0
VFA-81	09221	1	0	0	0	0	0
VFA-82	09122	1	0	0	0	0	0
VFA-83	09223	1	0	0	0	0	0
VFA-86	09943	1	0	0	0	0	0
VFA-87	63922	1	0	0	0	0	0
VFA-105	65183	1	0	0	0	0	0
VFA-131	63934	1	0	0	0	0	0
VFA-136	55141	1	0	0	0	0	0
VFA-127	08956	1	0	0	0	0	0
VFA-22	09561	1	0	0	0	0	0
VFA-25	09637	1	0	0	0	0	0
VFA-94	09295	1	0	0	0	0	0
VFA-97	63923	1	0	0	0	0	0
VFA-113	09092	1	0	0	0	0	0
VFA-115	09604	1	0	0	0	0	0
VFA-137	55142	1	0	0	0	0	0
VFA-146	09063	1	0	0	0	0	0
VFA-147	63925	1	0	0	0	0	0
VFA-151	09558	1	0	0	0	0	0
VFA-27	65185	1	0	0	0	0	0
VFA-192	55179	1	0	0	0	0	0
VFA-195	09706	1	0	0	0	0	0
VFA-203	09030	1	0	0	0	0	0
VFA-204	09032	1	0	0	0	0	0
VX-1	55600	1	0	0	0	0	0
VP-30	09047	1	0	0	0	0	0
VP-5	09630	1	0	0	0	0	0
VP-8	09661	1	0	0	0	0	0
VP-10	09639	1	0	0	0	0	0
VP-16	09229	1	0	0	0	0	0
VP-26	09610	1	0	0	0	0	0
VP-45	09665	1	0	0	0	0	0
VP-1	09618	1	0	0	0	0	0
VP-4	09623	1	0	0	0	0	0
VP-9	09644	1	0	0	0	0	0
VP-40	09674	1	0	0	0	0	0
VP-46	09632	1	0	0	0	0	0

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

SOURCE: NAVAIRSYSCOM PMA242/PMA205

DATE: 12/97

ACTIVITY	UIC	PFYs	CFY98	FY99	FY00	FY01	FY02
VP-47	09600	1	0	0	0	0	0
NSAWC N7	69190	1	0	0	0	0	0
SFWSL	47084	1	0	0	0	0	0
SFWSP	35185	1	0	0	0	0	0
<b>TOTAL:</b>		50	0	0	0	0	0
<b>OPERATIONAL</b>	<b>USMC</b>						
VMFA-115	09234	1	0	0	0	0	0
VMFA-122	09407	1	0	0	0	0	0
VMFA-251	09241	1	0	0	0	0	0
VMFA-312	09253	1	0	0	0	0	0
VMFA (AW)-224	01224	1	0	0	0	0	0
VMFA (AW)-332	09501	1	0	0	0	0	0
VMFA (AW)-533	09193	1	0	0	0	0	0
VMFA-212	09434	1	0	0	0	0	0
VMFA-232	09242	1	0	0	0	0	0
VMFA-235	09237	1	0	0	0	0	0
VMFA-314	09230	1	0	0	0	0	0
VMFA-323	09235	1	0	0	0	0	0
VMFA (AW)-121	09257	1	0	0	0	0	0
VMFA (AW)-225	09232	1	0	0	0	0	0
VMFA (AW)-242	09668	1	0	0	0	0	0
VMFA-112	08954	1	0	0	0	0	0
VMFA-134	09365	1	0	0	0	0	0
VMFA-142	67243	1	0	0	0	0	0
VMFA-321	67235	1	0	0	0	0	0
VMA-223	09438	1	0	0	0	0	0
VMA-231	52948	1	0	0	0	0	0
VMA-542	52847	1	0	0	0	0	0
VMA-211	09412	1	0	0	0	0	0
VMA-214	09436	1	0	0	0	0	0
VMA-311	09416	1	0	0	0	0	0
VMA-513	09231	1	0	0	0	0	0
MALS Aug Beaufort	67863	1	0	0	0	0	0
MALS Aug Miramar	09111	1	0	0	0	0	0
MAWTS-1	55167	1	0	0	0	0	0
VMFAT-101	09965	1	0	0	0	0	0
VMAT-203	45483	1	0	0	0	0	0
<b>TOTAL:</b>		31	0	0	0	0	0
<b>FLEET SUPPORT</b>	<b>NAVY</b>						
NAS Cecil Field	60200	1	0	0	0	0	0
NAS Fallon	60495	1	0	0	0	0	0
NAS Lemoore	63042	1	0	0	0	0	0
NAS Oceana	60191	1	0	0	0	0	0
NAS Jacksonville	00207	1	0	0	0	0	0
NAS Brunswick	60087	1	0	0	0	0	0
NAS Roosevelt Roads	00389	1	0	0	0	0	0
NAS Sigonella	62995	1	0	0	0	0	0
NAS Keflavik	63032	1	0	0	0	0	0
NS Rota	62863	1	0	0	0	0	0

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

SOURCE: NAVAIRSYSCOM PMA242/PMA205

DATE: 12/97

ACTIVITY	UIC	PFYs	CFY98	FY99	FY00	FY01	FY02
NAS Whidbey Island	00620	1	0	0	0	0	0
NAS Barbers Point	00334	1	0	0	0	0	0
NAF Misawa	68212	1	0	0	0	0	0
NAF Kadena	62254	1	0	0	0	0	0
NSF Diego Garcia	68539	1	0	0	0	0	0
NAS JRB Willow Grove	00158	1	0	0	0	0	0
NAS JRB Fort Worth	83447	1	0	0	0	0	0
NAS JRB New Orleans	00206	1	0	0	0	0	0
COMNAVAIRLANT	57012	1	0	0	0	0	0
CV-62 USS Independence	03362	1	0	0	0	0	0
CV-63 USS Kitty Hawk	03363	1	0	0	0	0	0
CV-64 USS Constellation	03364	1	0	0	0	0	0
CVN-65 USS Enterprise	03365	1	0	0	0	0	0
CV-67 USS Kennedy	03367	1	0	0	0	0	0
CVN-68 USS Nimitz	03368	1	0	0	0	0	0
CVN-69 USS Eisenhower	03369	1	0	0	0	0	0
CVN-70 USS Vinson	20993	1	0	0	0	0	0
CVN-71 USS Roosevelt	21247	1	0	0	0	0	0
CVN-72 USS Lincoln	21297	1	0	0	0	0	0
CVN-73 USS Washington	21412	1	0	0	0	0	0
CVN-74 USS Stennis	21847	1	0	0	0	0	0
CVN-75 USS Truman	21853	0	1	0	0	0	0
NAWMU-1	52821	1	0	0	0	0	0
NAWCAD Patuxent River	00421	1	0	0	0	0	0
NAWCWD Point Mugu	63126	1	0	0	0	0	0
NAWS Point Mugu	0429A	1	0	0	0	0	0
NAWS China Lake	68937	1	0	0	0	0	0
<b>TOTAL:</b>		<b>36</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>FLEET SUPPORT</b>	<b>USMC</b>						
MAD China Lake	67852	1	0	0	0	0	0
MAD Patuxent River	67356	1	0	0	0	0	0
MALS-11 Miramar	09233	1	0	0	0	0	0
MALS-12 Iwakuni	09377	1	0	0	0	0	0
MALS-13 Yuma	57082	1	0	0	0	0	0
MALS-14 Cherry Point	09114	1	0	0	0	0	0
MALS-31 Beaufort	09384	1	0	0	0	0	0
MALS-41 Fort Worth	67239	1	0	0	0	0	0
MALS-42 Marietta	67236	1	0	0	0	0	0
MALS-46 Miramar	67244	1	0	0	0	0	0
MASD Andrews	04801	1	0	0	0	0	0
<b>TOTAL:</b>		<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES<sup>1</sup>

ACTIVITY	UIC	PHASING INCR.	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
<b>OPERATIONAL</b>	<b>NAVY</b>					
NAVWPNTSTRON CL	39787					
ACDU			0	3	AO	6801
ACDU			0	5	AO	8342
<b>ACTIVITY TOTAL:</b>			0	8		
NAVWPNTSTRON PM	39788					
ACDU			0	3	AO	6801
ACDU			0	5	AO	8342
<b>ACTIVITY TOTAL:</b>			0	8		
NAVSTKAIRSTRON	39783					
ACDU			0	3	AO	6801
ACDU			0	5	AO	8342
<b>ACTIVITY TOTAL:</b>			0	8		
VX-9	55646					
ACDU			0	3	AO	6801
ACDU			0	5	AO	8342
<b>ACTIVITY TOTAL:</b>			0	8		
VFA-106	09679					
AD			0	1	AO	6541
ACDU			0	5	AO	8342
<b>ACTIVITY TOTAL:</b>			0	6		
VFA-125	09485					
AD			0	1	AO	6541
ACDU			0	5	AO	8342
<b>ACTIVITY TOTAL:</b>			0	6		
VFA-15	09015					
ACDU			0	5	AO	8342
VFA-34	09070					
ACDU			0	5	AO	8342
VFA-37	09478					
ACDU			0	5	AO	8342
VFA-81	09221					
ACDU			0	5	AO	8342
VFA-82	09122					
ACDU			0	5	AO	8342
VFA-83	09223					
ACDU			0	5	AO	8342
VFA-86	09943					
ACDU			0	5	AO	8342
VFA-87	63922					
ACDU			0	5	AO	8342
VFA-105	65183					
ACDU			0	5	AO	8342
VFA-131	63934					
ACDU			0	5	AO	8342

<sup>1</sup> All billet requirements shown are programmed in the P-3 NTSP, AV-8 NTSP, F/A-18 NTSP, the applicable CV/CVN Class Total Ship NTSP, or applicable Shore Activity Manning Document.

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES<sup>1</sup>

ACTIVITY	UIC	PHASING INCR.	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
VFA-136	55141		0	5	AO	8342
VFA-127	ACDU 08956		0	5	AO	8342
VFA-22	09561		0	5	AO	8342
VFA-25	ACDU 09637		0	5	AO	8342
VFA-94	09295		0	5	AO	8342
VFA-97	ACDU 63923		0	5	AO	8342
VFA-113	09092		0	5	AO	8342
VFA-115	ACDU 09604		0	5	AO	8342
VFA-137	55142		0	5	AO	8342
VFA-146	ACDU 09063		0	5	AO	8342
VFA-147	ACDU 63925		0	5	AO	8342
VFA-151	ACDU 09558		0	5	AO	8342
VFA-27	ACDU 65185		0	5	AO	8342
VFA-192	ACDU 55179		0	5	AO	8342
VFA-195	ACDU 09706		0	5	AO	8342
VFA-203	09030		0	5	AO	8342
VFA-204	TAR 09032		0	5	AO	8342
VX-1	TAR 55600		0	5	AO	8342
VP-30	ACDU 09047		0	5	AO	8319
VP-5	ACDU 09630		0	5	AO	8319
VP-8	ACDU 09661		0	5	AO	8319
VP-10	ACDU 09639		0	5	AO	8319
VP-16	ACDU 09229		0	5	AO	8319
VP-26	ACDU 09610		0	5	AO	8319
VP-45	ACDU 09665		0	5	AO	8319
VP-1	ACDU 09618		0	5	AO	8319

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES<sup>1</sup>

ACTIVITY	UIC	PHASING INCR.	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
VP-4		09623				
	ACDU		0	5	AO	8319
VP-9		09644				
	ACDU		0	5	AO	8319
VP-40		09674				
	ACDU		0	5	AO	8319
VP-46		09632				
	ACDU		0	5	AO	8319
VP-47		09600				
	ACDU		0	5	AO	8319
NSAWC N7		69190				
	ACDU		0	5	AO	8342
SFWSL		47084				
	ACDU		0	5	AO	8342
SFWSP		35185				
	ACDU		0	5	AO	8342
<b>OPERATIONAL</b>		<b>USMC</b>				
VMFA-115		09234				
	AD		0	5	AO	6531
	AD		0	3	AO	6541
<b>ACTIVITY TOTAL:</b>			0	8		
VMFA-122		09407				
	AD		0	5	AO	6531
	AD		0	3	AO	6541
<b>ACTIVITY TOTAL:</b>			0	8		
VMFA-251		09241				
	AD		0	5	AO	6531
	AD		0	3	AO	6541
<b>ACTIVITY TOTAL:</b>			0	8		
VMFA-312		09253				
	AD		0	5	AO	6531
	AD		0	3	AO	6541
<b>ACTIVITY TOTAL:</b>			0	8		
VMFA (AW)-224		01224				
	AD		0	5	AO	6531
	AD		0	3	AO	6541
<b>ACTIVITY TOTAL:</b>			0	8		
VMFA (AW)-332		09501				
	AD		0	5	AO	6531
	AD		0	3	AO	6541
<b>ACTIVITY TOTAL:</b>			0	8		
VMFA (AW)-533		09193				
	AD		0	5	AO	6531
	AD		0	3	AO	6541
<b>ACTIVITY TOTAL:</b>			0	8		
VMFA-212		09434				
	AD		0	5	AO	6531
	AD		0	3	AO	6541



II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES<sup>1</sup>

ACTIVITY	UIC	PHASING INCR.	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
<b>ACTIVITY TOTAL:</b>			0	8		
VMFA-232	09242					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
<b>ACTIVITY TOTAL:</b>			0	8		
VMFA-235	09237					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
<b>ACTIVITY TOTAL:</b>			0	8		
VMFA-314	09230					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
<b>ACTIVITY TOTAL:</b>			0	8		
VMFA-323	09235					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
<b>ACTIVITY TOTAL:</b>			0	8		
VMFA (AW)-121	09257					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
<b>ACTIVITY TOTAL:</b>			0	8		
VMFA (AW)-225	09232					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
<b>ACTIVITY TOTAL:</b>			0	8		
VMFA (AW)-242	09668					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
<b>ACTIVITY TOTAL:</b>			0	8		
VMFA-112	08954					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
	AR		0	3	AO	6541
<b>ACTIVITY TOTAL:</b>			0	11		
VMFA-134	09365					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
	AR		0	3	AO	6541
<b>ACTIVITY TOTAL:</b>			0	11		
VMFA-142	67243					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
	AR		0	3	AO	6541
<b>ACTIVITY TOTAL:</b>			0	11		
VMFA-321	67235					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
	AR		0	3	AO	6541

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES<sup>1</sup>

ACTIVITY	UIC	PHASING INCR.	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
<b>ACTIVITY TOTAL:</b>			0	11		
VMA-223	09438					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
<b>ACTIVITY TOTAL:</b>			0	8		
VMA-231	52948					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
<b>ACTIVITY TOTAL:</b>			0	8		
VMA-542	52847					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
<b>ACTIVITY TOTAL:</b>			0	8		
VMA-211	09412					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
<b>ACTIVITY TOTAL:</b>			0	8		
VMA-214	09436					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
<b>ACTIVITY TOTAL:</b>			0	8		
VMA-311	09416					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
<b>ACTIVITY TOTAL:</b>			0	8		
VMA-513	09231					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
<b>ACTIVITY TOTAL:</b>			0	8		
MALS Aug Beaufort	67863					
	AD		0	3	AO	6541
MALS Aug Miramar	09111					
	AD		0	3	AO	6541
MAWTS-1	55167					
	AD		0	2	AO	6541
VMFAT-101	09965					
	AD		0	6	AO	6541
VMAT-203	45483					
	AD		0	6	AO	6541
<b>FLEET SUPPORT</b>	<b>NAVY</b>					
NAS Cecil Field	60200					
	ACDU		0	3	AO	6801
NAS Fallon	60495					
	ACDU		0	3	AO	6801
NAS Lemoore	63042					
	ACDU		0	3	AO	6801
NAS Oceana	60191					
	ACDU		0	3	AO	6801

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES<sup>1</sup>

ACTIVITY	UIC	PHASING INCR.	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
NAS Jacksonville	00207					
ACDU			0	3	AO	6801
NAS Brunswick	60087					
ACDU			0	3	AO	6801
NAS Roosevelt Roads	00389					
ACDU			0	3	AO	6801
NAS Sigonella	62995					
ACDU			0	3	AO	6801
NAS Keflavik	63032					
ACDU			0	3	AO	6801
NS Rota	62863					
ACDU			0	3	AO	6801
NAS Whidbey Island	00620					
ACDU			0	3	AO	6801
NAS Barbers Point	00334					
ACDU			0	3	AO	6801
NAF Misawa	68212					
ACDU			0	3	AO	6801
NAF Kadena	62254					
ACDU			0	3	AO	6801
NSF Diego Garcia	68539					
ACDU			0	3	AO	6801
NAS JRB Willow Grove	00158					
TAR			0	3	AO	6801
NAS JRB Fort Worth	83447					
TAR			0	3	AO	6801
NAS JRB New Orleans	00206					
TAR			0	3	AO	6801
COMNAVAIRLANT	57012					
ACDU			0	3	AO	6801
CV-62 USS Independence	03362					
ACDU			0	3	AO	6801
CV-63 USS Kitty Hawk	03363					
ACDU			0	3	AO	6801
SELRES			0	2	AO	6801
<b>ACTIVITY TOTAL:</b>			0	5		
CV-64 USS Constellation	03364					
ACDU			0	3	AO	6801
CVN-65 USS Enterprise	03365					
ACDU			0	3	AO	6801
CV-67 USS Kennedy	03367					
ACDU			0	3	AO	6801
SELRES			0	2	AO	6801
<b>ACTIVITY TOTAL:</b>			0	5		
CVN-68 USS Nimitz	03368					
ACDU			0	3	AO	6801
CVN-69 USS Eisenhower	03369					
ACDU			0	3	AO	6801
CVN-70 USS Vinson	20993					
ACDU			0	3	AO	6801
CVN-71 USS Roosevelt	21247					

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES<sup>1</sup>

ACTIVITY	UIC	PHASING INCR.	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
CVN-72 USS Lincoln	ACDU 21297		0	3	AO	6801
CVN-73 USS Washington	ACDU 21412		0	3	AO	6801
CVN-74 USS Stennis	ACDU 21847		0	3	AO	6801
CVN-75 USS Truman	ACDU 21853		0	3	AO	6801
NAWMU-1	ACDU 52821		0	3	AO	6801
NAWCAD Patuxent River	ACDU 00421		0	6	AO	6801
	ACDU		0	2	AO	6801
	ACDU		0	2	AO	6801/8342
<b>ACTIVITY TOTAL:</b>			0	4		
NAWCWD Point Mugu	ACDU 63126		0	1	AO	6801
NAWS Point Mugu	ACDU 0429A		0	3	AO	6801
NAWS China Lake	ACDU 68937		0	3	AO	6801
	SELRES		0	1	AO	6801
<b>FLEET SUPPORT</b>	<b>USMC</b>					
MAD China Lake	67852					
MAD Patuxent River	AD 67356		0	2	AO	6541
MALS-11 Miramar	AD 09233		0	1	AO	6541
MALS-12 Iwakuni	AD 09377		0	3	AO	6541
MALS-13 Yuma	AD 57082		0	3	AO	6541
MALS-14 Cherry Point	AD 09114		0	3	AO	6541
MALS-31 Beaufort	AD 09384		0	3	AO	6541
MALS-41 Fort Worth	AD 67239		0	3	AO	6541
	AR		0	3	AO	6541
	AD		0	3	AO	6541
<b>ACTIVITY TOTAL:</b>			0	6		
MALS-42 Marietta	67236					
	AR		0	3	AO	6541
	AD		0	2	AO	6541
<b>ACTIVITY TOTAL:</b>			0	5		
MALS-46 Miramar	67244					
MASD Andrews	AR 04801		0	3	AO	6541
	AD		0	1	AO	6541

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES<sup>2</sup>

DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
OPERATIONAL ACTIVITY - ACDU													
AO	6801	0	12	0	0	0	0	0	0	0	0	0	0
AO	8319	0	70	0	0	0	0	0	0	0	0	0	0
AO	8342	0	180	0	0	0	0	0	0	0	0	0	0
OPERATIONAL ACTIVITY - TAR													
AO	8342	0	10	0	0	0	0	0	0	0	0	0	0
OPERATIONAL ACTIVITY - AD													
AO	6531	0	130	0	0	0	0	0	0	0	0	0	0
AO	6541	0	100	0	0	0	0	0	0	0	0	0	0
OPERATIONAL ACTIVITY - AR													
AO	6541	0	12	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - ACDU													
AO	6801	0	99	0	0	0	0	0	0	0	0	0	0
AO	6801/8342	0	2	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - TAR													
AO	6801	0	9	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - SELRES													
AO	6801	0	5	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - AD													
AO	6541	0	24	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - AR													
AO	6541	0	9	0	0	0	0	0	0	0	0	0	0
<b>SUMMARY TOTAL:</b>													
OPERATIONAL ACTIVITY - ACDU													
		0	262	0	0	0	0	0	0	0	0	0	0
OPERATIONAL ACTIVITY - TAR													
		0	10	0	0	0	0	0	0	0	0	0	0
OPERATIONAL ACTIVITY - AD													
		0	230	0	0	0	0	0	0	0	0	0	0
OPERATIONAL ACTIVITY - AR													
		0	12	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - ACDU													
		0	101	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - TAR													
		0	9	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - SELRES													
		0	5	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - AD													
		0	24	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - AR													
		0	9	0	0	0	0	0	0	0	0	0	0

<sup>2</sup> All billet requirements shown are programmed in the P-3 NTSP, AV-8 NTSP, F/A-18 NTSP, the applicable CV/CVN Class Total Ship NTSP, or applicable Shore Activity Manning Document.

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES<sup>2</sup>

DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
GRAND TOTAL:													
	ACDU	0	363	0	0	0	0	0	0	0	0	0	0
	TAR	0	19	0	0	0	0	0	0	0	0	0	0
	SELRES	0	5	0	0	0	0	0	0	0	0	0	0
	AD	0	254	0	0	0	0	0	0	0	0	0	0
	AR	0	21	0	0	0	0	0	0	0	0	0	0

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

SOURCE: NAVAIRSYSCOM PMA242/PMA205

DATE: 12/97

ACTIVITY	UIC	PFYs	CFY98	FY99	FY00	FY01	FY02
<b>FLEET SUPPORT</b>	<b>NAVY</b>						
CV-62 USS Independence	03362	0	1	0	0	0	0
<b>TOTAL</b>		0	1	0	0	0	0

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

SOURCE:

DATE: 12/97

ACTIVITY	UIC	PHASING INCR.	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
<b>FLEET SUPPORT</b>	<b>NAVY</b>					
CV-62 USS Independence ACDU	03362	FY98	0	3	AO	6801

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

DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	ENL	CFY98 OFF	ENL	FY99 OFF	ENL	FY00 OFF	ENL	FY01 OFF	ENL	FY02 OFF	ENL
FLEET SUPPORT ACTIVITY - ACDU													
AO	6801	0	0	0	3	0	0	0	0	0	0	0	0

II.A.3. TRAINING ACTIVITIES INSTRUCTOR AND SUPPORT BILLET REQUIREMENTS<sup>3</sup>

INSTRUCTOR BILLETS

TRAINING ACTIVITY, LOCATION, UIC: MTU 4032 NAMTRAGRUDET NAS Norfolk 66046													
DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
ACDU													
AO	6801/9502	0	7	0	7	0	7	0	7	0	7	0	7
SELRES													
AO	6801/9502	0	2	0	2	0	2	0	2	0	2	0	2
<b>TOTAL:</b>		0	9	0	9	0	9	0	9	0	9	0	9

TRAINING ACTIVITY, LOCATION, UIC: MTU 4030 NAMTRAGRUDET NS Mayport 66069													
DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
ACDU													
AO	6801/9502	0	3	0	3	0	3	0	3	0	3	0	3
SELRES													
AO	6801/9502	0	1	0	1	0	1	0	1	0	1	0	1
<b>TOTAL:</b>		0	4	0	4	0	4	0	4	0	4	0	4

TRAINING ACTIVITY, LOCATION, UIC: MTU 4033 NAMTRAGRUDET NAS North Island 66065													
DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
ACDU													
AO	6801/9502	0	4	0	4	0	4	0	4	0	4	0	4

TRAINING ACTIVITY, LOCATION, UIC: VMAT-203 FREST MCAS Cherry Point 45483													
DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
AD													
	6541	0	21	0	21	0	21	0	21	0	21	0	21

<sup>3</sup> Instructor billet requirements shown are for the total course throughput for applicable NEC/MOS, not just throughput required to support AGM-65F.



II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS <sup>4</sup>

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 4032 NAMTRAGRUDET, NAS Norfolk, 66046	USN	0	5.6	0	4.9	0	5.1	0	5.1	0	5.1	0	5.1
MTU 4030 NAMTRAGRUDET, NS Mayport, 66069	USN	0	0.8	0	0.8	0	0.7	0	0.1	0	0.1	0	0.1
MTU 4033 NAMTRAGRUDET, NAS North Island, 66065	USN	0	3.8	0	3.8	0	3.8	0	3.8	0	3.8	0	3.8
VMAT-203 FREST, MCAS Cherry Point, 45483	USMC	0	55.6	0	55.6	0	56.6	0	55.6	0	55.6	0	55.6
SUMMARY TOTAL:	USN	0	10.2	0	9.5	0	9.6	0	9.0	0	9.0	0	9.0
	USMC	0	55.6	0	55.6	0	55.6	0	55.6	0	55.6	0	55.6
<b>GRAND TOTAL:</b>		0	65.8	0	65.1	0	65.2	0	64.6	0	64.6	0	64.6

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<sup>4</sup> Chargeable student billet requirements shown are for the total course throughput for applicable NEC/MOS, not just throughput required to support AGM-65F.

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS<sup>5</sup>

a. OFFICER - USN: NA

b. ENLISTED - USN:

RATING	PNEC/SNEC	BILLET BASE	CFY98		FY99		FY00		FY01		FY02	
			+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
Operational Billets ACDU and TAR												
AO	6801	12	0	12	0	12	0	12	0	12	0	12
AO	8319	70	0	70	0	70	0	70	0	70	0	70
AO	8342	180	0	180	0	180	0	180	0	180	0	180
Fleet Support Billets ACDU and TAR												
AO	6801	99	-3	96	0	96	0	96	0	96	0	96
AO	6801/8342	2	0	2	0	2	0	2	0	2	0	2
Instructor and Support (Staff) Billets ACDU and TAR												
AO	6801/9502	14	0	14	0	14	0	14	0	14	0	14
Chargeable Student Billets ACDU and TAR												
		10	0	10	0	10	0	10	0	10	0	10
<b>TOTAL USN ENLISTED BILLETS:</b>												
Operational		262	0	262	0	262	0	262	0	262	0	262
Fleet Support		101	-3	98	0	98	0	98	0	98	0	98
Staff		14	0	14	0	14	0	14	0	14	0	14
Student		10	0	10	0	10	0	10	0	10	0	10
SELRES		5	0	5	0	5	0	5	0	5	0	5

c. OFFICER - USMC: NA

d. ENLISTED - USMC:

RATING	PMOS/SMOS	BILLET BASE	CFY97		FY98		FY99		FY00		FY01	
			+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
Operational Billets AD and AR												
	6531	130	0	130	0	130	0	130	0	130	0	130
	6541	100	0	100	0	100	0	100	0	100	0	100
Fleet Support Billets AD and AR												
	6541	33	0	33	0	33	0	33	0	33	0	33
Instructor and Support (Staff) Billets AD and AR												
	6541	21	0	21	0	21	0	21	0	21	0	21
Chargeable Student Billets AD and AR												
		56	0	56	0	56	0	56	0	56	0	56
<b>TOTAL USMC ENLISTED BILLETS:</b>												
Operational		230	0	230	0	230	0	230	0	230	0	230
Fleet Support		33	0	33	0	33	0	33	0	33	0	33
Staff		21	0	21	0	21	0	21	0	21	0	21
Student		56	0	56	0	56	0	56	0	56	0	56
SMCR		0	0	0	0	0	0	0	0	0	0	0

<sup>5</sup> Billet base identified is only a portion of the total applicable NEC/MOS billet base, which is allocated for all air-launched weapons and ordnance maintenance. Billets are programmed through applicable CV/CVN Class Total Ship NTSPs and Shore Activity Manning Documents.

II.B. PERSONNEL REQUIREMENTS

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS<sup>6</sup>

CIN, COURSE TITLE: D-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance  
 COURSE LENGTH: 6.0 Weeks SEA TOUR LENGTH: Navy: 36 Months  
 ATTRITION FACTOR: Navy: 10 % BACKOUT FACTOR: 0.12

TRAINING ACTIVITY	SOURCE	ACDU-TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU-4030 NAMTRAGRUDET, NS Mayport <sup>7</sup>												
	USN	ACDU-TAR	0	8	0	7	0	1	0	1	0	1
MTU-4032 NAMTRAGRU DET, NAS Norfolk												
	USN	ACDU-TAR	0	47	0	49	0	49	0	49	0	49
	USN	SELRES	0	1	0	0	0	0	0	1	0	0
		TOTAL	0	48	0	49	0	49	0	50	0	49

CIN, COURSE TITLE: E-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance  
 COURSE LENGTH: 6.0 Weeks SEA TOUR LENGTH: Navy: 36 Months  
 ATTRITION FACTOR: Navy: 10 % BACKOUT FACTOR: 0.12

TRAINING ACTIVITY	SOURCE	ACDU-TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU-4033 NAMTRAGRU DET, NAS North Island												
	USN	ACDU-TAR	0	37	0	37	0	37	0	37	0	37
	USN	SELRES	0	1	0	1	0	1	0	1	0	1
		TOTAL	0	38	0	38	0	38	0	38	0	38

CIN, COURSE TITLE: M-646-7026, Aircraft Ordnance Intermediate Maintenance  
 COURSE LENGTH: 11.4 Weeks  
 ATTRITION FACTOR: Marine: 0 % BACKOUT FACTOR: 0.23

TRAINING ACTIVITY	SOURCE	AD-AR SMCR	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
VMAT-203 FREST, MCAS Cherry Point												
	USMC	AD-AR	0	257	0	257	0	257	0	257	0	257

ACTIVITY TOTAL:

MTU-4030 NAMTRAGRU DET			0	8	0	7	0	1	0	1	0	1
MTU-4032 NAMTRAGRU DET			0	48	0	49	0	49	0	50	0	49
MTU-4033 NAMTRAGRU DET			0	38	0	38	0	38	0	38	0	38
VMAT-203 FREST			0	257	0	257	0	257	0	257	0	257

<sup>6</sup> ATIR shown are for the total course throughput for applicable NEC/MOS, not just throughput required to support AGM-65F.

<sup>7</sup> MTU 4030 NAMTRAGRUDET will begin to transfer functions to Everett, Washington in FY99.

## PART III - TRAINING REQUIREMENTS

The following elements are not affected by the AGM-65F IIR Maverick Missile System; therefore, they are not included in Part III of this NTSP:

### III.A. Training Course Requirements

#### 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

**III.A.2. FOLLOW-ON TRAINING**

**III.A.2.a. EXISTING COURSES**

**TRAINING ACTIVITY:** MTU-4030 NAMTRAGRUDET<sup>8</sup>

**LOCATION, UIC:** NAS Mayport, 66069

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

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	8	0	7	0	1	0	1	0	1	ATIR
0	7	0	6	0	1	0	1	0	1	Output
0.0	0.8	0.0	0.7	0.0	0.1	0.0	0.1	0.0	0.1	AOB
0.0	0.8	0.0	0.7	0.0	0.1	0.0	0.1	0.0	0.1	Chargeable

**TRAINING ACTIVITY:** MTU-4032 NAMTRAGRUDET

**LOCATION, UIC:** NAS Norfolk, 66046

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

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	47	0	49	0	49	0	49	0	49	ATIR
0	42	0	44	0	44	0	44	0	44	Output
0.0	4.9	0.0	5.1	0.0	5.1	0.0	5.1	0.0	5.1	AOB
0.0	4.9	0.0	5.1	0.0	5.1	0.0	5.1	0.0	5.1	Chargeable

**SOURCE:** NAVY **STUDENT CATEGORY:** SELRES

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	1	0	0	0	0	0	1	0	1	ATIR
0	1	0	0	0	0	0	1	0	1	Output
0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

<sup>8</sup> MTU 4030 NAMTRAGRUDET will begin to transfer functions to Everett, Washington in FY99.

**TRAINING ACTIVITY:** MTU-4033 NAMTRAGRUDET  
**LOCATION, UIC:** NAS North Island, 66065  
**CIN, COURSE TITLE:** E-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance  
**SOURCE:** NAVY **STUDENT CATEGORY:** ACDU-TAR

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	37	0	37	0	37	0	37	0	37	ATIR
0	33	0	33	0	33	0	33	0	33	Output
0.0	3.8	0.0	3.8	0.0	3.8	0.0	3.8	0.0	3.8	AOB
0.0	3.8	0.0	3.8	0.0	3.8	0.0	3.8	0.0	3.8	Chargeable

**SOURCE:** NAVY **STUDENT CATEGORY:** SELRES

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	1	0	1	0	1	0	1	0	1	ATIR
0	1	0	1	0	1	0	1	0	1	Output
0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

**TRAINING ACTIVITY:** VMAT-203 FREST  
**LOCATION, UIC:** MCAS Cherry Point, 45483  
**CIN, COURSE TITLE:** M-646-7026, Aircraft Ordnance Intermediate Maintenance (See Note Below)  
**SOURCE:** USMC **STUDENT CATEGORY:** AD-AR

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	257	0	257	0	257	0	257	0	257	ATIR
0	257	0	257	0	257	0	257	0	257	Output
0.0	55.6	0.0	55.6	0.0	55.6	0.0	55.6	0.0	55.6	AOB
0.0	55.6	0.0	55.6	0.0	55.6	0.0	55.6	0.0	55.6	Chargeable

**NOTE:** C-646-3105, Aviation Ordnance Intermediate Maintenance Technician, as part of track M-646-7026, is currently listed in OPNAV Training Management System (OTMS) as 93 days. In July 1997, VMAT-203 shortened this course and is currently teaching it as a 73 day course, as is reflected in this NTSP. This makes the length of training track M-646-7026, Aircraft Ordnance Intermediate Maintenance, 11.4 weeks (79 days). It is shown in OTMS as 99 days.

## PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

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

- IV.A.1 TTE/GPTE/SPTE/ST/GPETE/SPETE
- IV.A.4 Repair Parts for Technical Training Equipment
- IV.B.1 Training Services
- IV.C.1 Facility Requirements Summary (Space/Support) by Activity
- IV.C.2 Facility Requirements Detailed by Activity by Course
- IV.C.3 Facility Project Summary by Program

**IV.A. TRAINING HARDWARE REQUIREMENTS**

**IV.A.2. TRAINING DEVICES**

**DEVICE:** Captive Air Training Missile, CATM-65F

**DESCRIPTION OF DEVICE:** The CATM-65F is an inert, captive flight training missile permitting realistic exercise of the IIR Maverick. The CATM airborne operation provides direct comparison with actual weapon firings by simulation without expending the missile.

**MANUFACTURER:** NA

**CONTRACT NUMBER:** NA

**TEE STATUS:** NA

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

QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
9			On board	D-2A-0601 D-2A-0602 D-2A-0604 D-2A-0606 D-646-0640 D-646-0647

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

QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
8			On board	E-2A-0601 E-2A-0602 E-2A-0604 E-2A-0606 E-646-0640 E-646-0647

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

QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
7			On board	See note below

**NOTE:** The following courses are supported by CATMs (listed by title because no course numbers exist).

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



**IV.A.2. TRAINING DEVICES**

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

<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>RFT DATE</b>	<b>STATUS</b>	<b>COURSES SUPPORTED</b>
5			On board	See note below

NOTE: The following courses are supported by CATMs (listed by title because no course numbers exist).

- AV-8B Pilot Basic
- AV-8B Pilot Transition
- AV-8B Pilot Conversion
- AV-8B Pilot Refresher

**TRAINING ACTIVITY:** Atlantic Fleet  
**LOCATION, UIC :** Atlantic Fleet

<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>RFT DATE</b>	<b>STATUS</b>	<b>COURSES SUPPORTED</b>
7			On-board	Readiness/Loading/Handling

**TRAINING ACTIVITY:** Pacific Fleet  
**LOCATION, UIC :** Pacific Fleet

<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>RFT DATE</b>	<b>STATUS</b>	<b>COURSES SUPPORTED</b>
10			On-board	Readiness/Loading/Handling

**TRAINING ACTIVITY:** MAG Alameda  
**LOCATION, UIC :** MAG Alameda 67251

<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>RFT DATE</b>	<b>STATUS</b>	<b>COURSES SUPPORTED</b>
1			On-board	Readiness/Loading/Handling

**TRAINING ACTIVITY:** MALS Yuma  
**LOCATION, UIC :** MALS Yuma 55585

<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>RFT DATE</b>	<b>STATUS</b>	<b>COURSES SUPPORTED</b>
3			On-board	Readiness/Loading/Handling

**TRAINING ACTIVITY:** NAF Washington  
**LOCATION, UIC :** NAF Washington 00166

<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>RFT DATE</b>	<b>STATUS</b>	<b>COURSES SUPPORTED</b>
1			On-board	Readiness/Loading/Handling

**IV.A.2. TRAINING DEVICES**

<b>TRAINING ACTIVITY:</b>	NAS Barbers Point					
<b>LOCATION, UIC :</b>	NAS Barbers Point		00334			
	<b>QUANT</b>	<b>DATE</b>	<b>RFT</b>	<b>STATUS</b>	<b>COURSES</b>	
	<b>REQD</b>	<b>REQD</b>	<b>DATE</b>		<b>SUPPORTED</b>	
	2			On-board	Readiness/Loading/Handling	
<b>TRAINING ACTIVITY:</b>	NAS Brunswick					
<b>LOCATION, UIC :</b>	NAS Brunswick		60087			
	<b>QUANT</b>	<b>DATE</b>	<b>RFT</b>	<b>STATUS</b>	<b>COURSES</b>	
	<b>REQD</b>	<b>REQD</b>	<b>DATE</b>		<b>SUPPORTED</b>	
	1			On-board	Readiness/Loading/Handling	
<b>TRAINING ACTIVITY:</b>	NAS Fallon					
<b>LOCATION, UIC :</b>	NAS Fallon		60495			
	<b>QUANT</b>	<b>DATE</b>	<b>RFT</b>	<b>STATUS</b>	<b>COURSES</b>	
	<b>REQD</b>	<b>REQD</b>	<b>DATE</b>		<b>SUPPORTED</b>	
	4			On-board	Readiness/Loading/Handling	
<b>TRAINING ACTIVITY:</b>	NAS Jacksonville					
<b>LOCATION, UIC :</b>	NAS Jacksonville		00207			
	<b>QUANT</b>	<b>DATE</b>	<b>RFT</b>	<b>STATUS</b>	<b>COURSES</b>	
	<b>REQD</b>	<b>REQD</b>	<b>DATE</b>		<b>SUPPORTED</b>	
	2			On-board	Readiness/Loading/Handling	
<b>TRAINING ACTIVITY:</b>	NAS New Orleans					
<b>LOCATION, UIC :</b>	NAS New Orleans		00206			
	<b>QUANT</b>	<b>DATE</b>	<b>RFT</b>	<b>STATUS</b>	<b>COURSES</b>	
	<b>REQD</b>	<b>REQD</b>	<b>DATE</b>		<b>SUPPORTED</b>	
	1			On-board	Readiness/Loading/Handling	
<b>TRAINING ACTIVITY:</b>	NAS Norfolk					
<b>LOCATION, UIC :</b>	NAS Norfolk		00188			
	<b>QUANT</b>	<b>DATE</b>	<b>RFT</b>	<b>STATUS</b>	<b>COURSES</b>	
	<b>REQD</b>	<b>REQD</b>	<b>DATE</b>		<b>SUPPORTED</b>	
	1			On-board	Readiness/Loading/Handling	
<b>TRAINING ACTIVITY:</b>	NAS Patuxent River					
<b>LOCATION, UIC :</b>	NAS Patuxent River		0428A			
	<b>QUANT</b>	<b>DATE</b>	<b>RFT</b>	<b>STATUS</b>	<b>COURSES</b>	
	<b>5EQD</b>	<b>REQD</b>	<b>DATE</b>		<b>SUPPORTED</b>	
	2			On-board	Readiness/Loading/Handling	

**IV.A.2. TRAINING DEVICES**

<b>TRAINING ACTIVITY:</b>	NAS South Weymouth					
<b>LOCATION, UIC :</b>	NAS South Weymouth	00101				
	<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>RFT DATE</b>	<b>STATUS</b>	<b>COURSES SUPPORTED</b>	
	1			On-board	Readiness/Loading/Handling	
<b>TRAINING ACTIVITY:</b>	NAS Whidbey Island					
<b>LOCATION, UIC :</b>	NAS Whidbey Island	00620				
	<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>RFT DATE</b>	<b>STATUS</b>	<b>COURSES SUPPORTED</b>	
	2			On-board	Readiness/Loading/Handling	
<b>TRAINING ACTIVITY:</b>	NAWC WD China Lake					
<b>LOCATION, UIC :</b>	NAWC WD China Lake	60530				
	<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>RFT DATE</b>	<b>STATUS</b>	<b>COURSES SUPPORTED</b>	
	1			On-board	Readiness/Loading/Handling	
<b>TRAINING ACTIVITY:</b>	NAVWPNSST Fallbrook					
<b>LOCATION, UIC :</b>	NAVWPNSST Fallbrook	00396				
	<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>RFT DATE</b>	<b>STATUS</b>	<b>COURSES SUPPORTED</b>	
	8			On-board	Readiness/Loading/Handling	
<b>TRAINING ACTIVITY:</b>	NAVWPNSSTA Yorktown					
<b>LOCATION, UIC :</b>	NAVWPNSSTA Yorktown	00109				
	<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>RFT DATE</b>	<b>STATUS</b>	<b>COURSES SUPPORTED</b>	
	5			On-board	Readiness/Loading/Handling	

**IV.A.2. TRAINING DEVICES**

**DEVICE:** Dummy Air Training Missile, DATM-65E/F

**DESCRIPTION OF DEVICE:** The DATM-65E/F is physically representative of the IIR Maverick. It is a training device to facilitate instruction and familiarization for transporting, handling, loading, and visual inspection procedures for organizational and intermediate level training purposes. The DATM is not certified for flight, and is designed for ground training use only.

**MANUFACTURER:** NA

**CONTRACT NUMBER:** NA

**TEE STATUS:** NA

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

QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1			On board	C-646-9973 C-646-9974 D-646-0640 D-646-0647

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

QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1			On board	C-646-9973 C-646-9974 E-646-0640 E-646-0647

**TRAINING ACTIVITY:** VMFAT-101  
**LOCATION, UIC :** MCAS Miramar 45526

QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1			On board	C-646-9973 C-646-9974 E-646-0640 E-646-0647

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

QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1			On board	C-646-9888 C-646-3893 C-646-3105

**IV.A.2. TRAINING DEVICES**

<b>TRAINING ACTIVITY:</b>	NAF El Centro					
<b>LOCATION, UIC :</b>	NAF El Centro	60042				
	<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>RFT DATE</b>	<b>STATUS</b>	<b>COURSES SUPPORTED</b>	
	1			On-board	Loading/Handling	
<b>TRAINING ACTIVITY:</b>	NAS North Island					
<b>LOCATION, UIC :</b>	NAS North Island	00246				
	<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>RFT DATE</b>	<b>STATUS</b>	<b>COURSES SUPPORTED</b>	
	1			On-board	Loading/Handling	
<b>TRAINING ACTIVITY:</b>	NAS Fallon					
<b>LOCATION, UIC :</b>	NAS Fallon	60495				
	<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>RFT DATE</b>	<b>STATUS</b>	<b>COURSES SUPPORTED</b>	
	1			On-board	Loading/Handling	
<b>TRAINING ACTIVITY:</b>	NAS Oceana					
<b>LOCATION, UIC :</b>	NAS Oceana	60191				
	<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>RFT DATE</b>	<b>STATUS</b>	<b>COURSES SUPPORTED</b>	
	1			On-board	Loading/Handling	
<b>TRAINING ACTIVITY:</b>	NAS Dallas					
<b>LOCATION, UIC :</b>	NAS Dallas	00215				
	<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>RFT DATE</b>	<b>STATUS</b>	<b>COURSES SUPPORTED</b>	
	1			On-board	Loading/Handling	
<b>TRAINING ACTIVITY:</b>	NAS Pensacola					
<b>LOCATION, UIC :</b>	NAS Pensacola	00204				
	<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>RFT DATE</b>	<b>STATUS</b>	<b>COURSES SUPPORTED</b>	
	1			On-board	Loading/Handling	
<b>TRAINING ACTIVITY:</b>	NAS New Orleans					
<b>LOCATION, UIC :</b>	NAS New Orleans	00206				
	<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>RFT DATE</b>	<b>STATUS</b>	<b>COURSES SUPPORTED</b>	
	1			On-board	Loading/Handling	

**IV.A.2. TRAINING DEVICES**

**TRAINING ACTIVITY:** NAF Washington  
**LOCATION, UIC :** NAF Washington

00166

QUANT REQD	DATE REQD	RFT DATE	STATUS
1			On-board

**COURSES  
SUPPORTED**  
Loading/Handling

**TRAINING ACTIVITY:** NAS Whidbey Island  
**LOCATION, UIC :** NAS Whidbey Island

00620

QUANT REQD	DATE REQD	RFT DATE	STATUS
1			On-board

**COURSES  
SUPPORTED**  
Loading/Handling

**TRAINING ACTIVITY:** NAS Willow Grove  
**LOCATION, UIC :** NAS Willow Grove

00158

QUANT REQD	DATE REQD	RFT DATE	STATUS
1			On-board

**COURSES  
SUPPORTED**  
Loading/Handling

**IV.A.2. TRAINING DEVICES**

**DEVICE:** Practical Explosive Ordnance Disposal System Trainer

**DESCRIPTION OF DEVICE:** The IIR Maverick PEST is a full scale model fabricated from actual hardware, having approximately the same weight and center of gravity as the tactical missile. The PEST is used for teaching Rendering Safe Procedures.

**MANUFACTURER:** NA

**CONTRACT NUMBER:** NA

**TEE STATUS:** NA

**TRAINING ACTIVITY:** NAVSCOLEOD  
**LOCATION, UIC :** NAVSURFWARCEN Indian Head 68636

QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1			On board	A-431-0011 A-431-0012

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

QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1			On board	G-431-0001

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

QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1			On board	G-431-0001

**IV.A.2. TRAINING DEVICES**

**DEVICE:** Classroom Explosive System Trainer

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

**MANUFACTURER:** NA

**CONTRACT NUMBER:** NA

**TEE STATUS:** NA

**TRAINING ACTIVITY:** NAVSCOLEOD  
**LOCATION, UIC :** NAVSURFWARCEN Indian Head 68636

QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1			On board	A-431-0011 A-431-0012

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

QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1			On board	G-431-0001

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

QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1			On board	G-431-0001



**IV.B. COURSEWARE REQUIREMENTS**

**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  
 D-646-0640 F/A-18 Conventional Weapons Loading  
 D-646-0647 F/A-18 Conventional Release System Test

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
IIR Maverick Source Data	1 Set		On board

**TRAINING ACTIVITY:** VFA-125  
**LOCATION, UIC:** NAS Lemoore 65554  
**CIN, COURSE TITLE:** E-2A-0601 F/A-18 Fleet Replacement Pilot Cat 1  
 ED-2A-0602 F/A-18 Fleet Replacement Pilot Cat 2A  
 E-2A-0604 F/A-18 Fleet Replacement Pilot Cat 3A  
 E-2A-0606 F/A-18 Fleet Replacement Pilot Cat 4  
 E-646-0640 F/A-18 Conventional Weapons Loading  
 E-646-0647 F/A-18 Conventional Release System Test

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
IIR Maverick Source Data	1 Set		On board

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

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
IIR Maverick Source Data	1 Set		On board

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

**IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS**

**TRAINING ACTIVITY:** VMAT-203  
**LOCATION, UIC:** MCAS Cherry Point 45483  
**CIN, COURSE TITLE:** AV-8B Pilot Basic  
 AV-8B Pilot Transition  
 AV-8B Pilot Conversion  
 AV-8B Pilot Refresher

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
IIR Maverick Source Data	1 Set		On board

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

**TRAINING ACTIVITY:** VP-30  
**LOCATION, UIC:** NAS Jacksonville 42335  
**CIN, COURSE TITLE:** D-2A-1101 P-3C and P-3C Update III Replacement Pilot Cat 1  
 D-2A-1102 P-3C and P-3C Update III Replacement Pilot Cat 2  
 D-2A-1111 P-3C and P-3C Update III Replacement Pilot Cat 1 Trk  
 D-2A-1113 P-3C and P-3C Update III Replacement Pilot (PXO) Cat 3 Pipeline  
 D-2D-1101 P-3C and P-3C Update III Replacement NFO Cat 1  
 D-2D-1102 P-3C and P-3C Update III Replacement NFO Cat 2  
 D-2D-1107 P-3C and P-3C Update III Replacement NFO Cat 4  
 D-2D-1111 P-3C and P-3C Update III Replacement NFO Cat 1 Trk  
 D-2D-1112 P-3C and P-3C Update III Replacement NFO Cat 2 Trk  
 D-2D-1116 P-3C and P-3C Update III Replacement NFO Cat 5 Trk  
 D-600-XXXB P-3C and P-3C AIP Pilot Transition Training  
 D-600-XXXD P-3C and P-3C AIP NFO Transition Training

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
IIR Maverick Source Data	1 Set		On board

**TRAINING ACTIVITY:** NATTC  
**LOCATION, UIC:** NAS Pensacola 35348  
**CIN, COURSE TITLE:** C-646-2011 Aviation Ordnance "Class A1" School (Common Core)  
 C-646-2012 Aviation Ordnance "Class A1" School (Airwing Strand)  
 C-646-2013 Aviation Ordnance "Class A1" School (Weapons Department Strand)

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
IIR Maverick Source Data	1 Set		On board

**IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS**

**TRAINING ACTIVITY:** MTU 1039 NAMTRAGRU DET  
**LOCATION, UIC:** NAS Cecil Field 66050  
**CIN, COURSE TITLE:** C-646-9973 F/A-18 Stores Management System (Initial) Organizational Maintenance  
 C-646-9974 F/A-18 Stores Management System Organizational Maintenance (Career)

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
IIR Maverick Source Data	1 Set		On board

**TRAINING ACTIVITY:** MTU 1038 NAMTRAGRU DET  
**LOCATION, UIC:** NAS Lemoore 66060  
**CIN, COURSE TITLE:** C-646-9973 F/A-18 Stores Management System (Initial) Organizational Maintenance  
 C-646-9974 F/A-18 Stores Management System Organizational Maintenance (Career)

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
IIR Maverick Source Data	1 Set		On board

**TRAINING ACTIVITY:** Strike Fighter Weapons School - Atlantic  
**LOCATION, UIC:** NAS Cecil Field 47084  
**CIN, COURSE TITLE:** D-646-0640 F/A-18 Conventional Weapons Loading  
 D-646-0647 F/A-18 Conventional Release System Test

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
IIR Maverick Source Data	1 Set		On board

**TRAINING ACTIVITY:** Strike Fighter Weapons School - 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

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
IIR Maverick Source Data	1 Set		On board

**IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS**

**TRAINING ACTIVITY:** VMAT-203 FREST  
**LOCATION, UIC:** MCAS Cherry Point 45483  
**CIN, COURSE TITLE:** C-646-9888 AV-8B Aircraft Ordnance Technician Integrated Organizational Maintenance  
C-646-3893 AV-8B Conventional Weapons Loading

<b>TYPES OF MATERIAL OR AID</b>	<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
IIR Maverick Source Data	1 Set		On board

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

<b>TYPES OF MATERIAL OR AID</b>	<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
IIR Maverick Source Data	1 Set		On board

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

<b>TYPES OF MATERIAL OR AID</b>	<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
IIR Maverick Source Data	1 Set		On board

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

<b>TYPES OF MATERIAL OR AID</b>	<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
IIR Maverick Source Data	1 Set		On board

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

<b>TYPES OF MATERIAL OR AID</b>	<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
IIR Maverick Source Data	1 Set		On board

**IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS**

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

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
IIR Maverick Source Data	1 Set		On board

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

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
IIR Maverick Source Data	1 Set		On board

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

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
IIR Maverick Source Data	1 Set		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

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
NATOPS Flight Manual Navy Model F/A-18A/B/C/D A1-F18AC-NFM-000	Hard Copy	6		On board
NATOPS Pocket Checklist A1-F18AC-NFM-500	Hard Copy	6		On board
Tactical Manual A1-F18AC-TAC-000	Hard Copy	6		On board
Tactical Manual Pocket Guide A1-F18AC-TAC-300	Hard Copy	6		On board

**TRAINING ACTIVITY:** VFA-125

**LOCATION, UIC:** NAS Lemoore 65559

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

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
NATOPS Flight Manual Navy Model F/A-18A/B/C/D A1-F18AC-NFM-000	Hard Copy	6		On board
NATOPS Pocket Checklist A1-F18AC-NFM-500	Hard Copy	6		On board
Tactical Manual A1-F18AC-TAC-000	Hard Copy	6		On board
Tactical Manual Pocket Guide A1-F18AC-TAC-300	Hard Copy	6		On board

**IV.B.3. TECHNICAL MANUALS**

**TRAINING ACTIVITY:** VMFAT-101

**LOCATION, UIC:** MCAS El Toro 45526

**CIN, COURSE TITLE:** F/A-18D Fleet Replacement Pilot Cat 1  
 F/A-18D Fleet Replacement Pilot Cat 2  
 F/A-18D Fleet Replacement Pilot Cat 3  
 F/A-18D Fleet Replacement Pilot Cat 4  
 F/A-18D (WSO) Cat 1  
 F/A-18D (WSO) Cat 2  
 F/A-18D (WSO) Cat 3  
 F/A-18D (WSO) Cat 4

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

<b>TECHNICAL MANUAL TITLE, NUMBER</b>	<b>MEDIUM</b>	<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
NATOPS Flight Manual Navy Model F/A-18A/B/C/D A1-F18AC-NFM-000	Hard Copy	6		On board
NATOPS Pocket Checklist A1-F18AC-NFM-500	Hard Copy	6		On board
Tactical Manual A1-F18AC-TAC-000	Hard Copy	6		On board
Tactical Manual Pocket Guide A1-F18AC-TAC-300	Hard Copy	6		On board

**IV.B.3. TECHNICAL MANUALS**

**TRAINING ACTIVITY:** VMAT-203

**LOCATION, UIC:** MCAS Cherry Point 45483

**CIN, COURSE TITLE:** AV-8B Pilot Basic  
 AV-8B Pilot Transition  
 AV-8B Pilot Conversion  
 AV-8B Pilot Refresher

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

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
NATOPS Flight Manual Navy Model AV-8B/TAV-8B A1-AV8BB-NFM-000	Hard Copy	6		On board
NATOPS Pocket Checklist A1-AV8BB-NFM-500	Hard Copy	6		On board
AV-8B Tactical Manual A1-AV8BB-TAC-050	Hard Copy	6		On board

**TRAINING ACTIVITY:** VP-30

**LOCATION, UIC:** NAS Jacksonville 42335

**CIN, COURSE TITLE:** D-2A-1101 P-3C and P-3C Update III Replacement Pilot Cat 1  
 D-2A-1102 P-3C and P-3C Update III Replacement Pilot Cat 2  
 D-2A-1111 P-3C and P-3C Update III Replacement Pilot Cat 1 Trk  
 D-2A-1113 P-3C and P-3C Update III Replacement Pilot (PXO) Cat 3 Pipeline  
 D-600-XXXB P-3C and P-3C AIP Pilot Transition Training

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
NATOPS Flight Manual Navy Model P-3C Aircraft NA-01-75PAC-1	Hard Copy	8		On board
P-3 Tactical Manual 017-75-TAA-1T	Hard Copy	8		On board



**IV.B.3. TECHNICAL MANUALS**

**TRAINING ACTIVITY:** VP-30

**LOCATION, UIC:** NAS Jacksonville 42335

**CIN, COURSE TITLE:** D-2D-1101 P-3C and P-3C Update III Replacement NFO Cat 1  
 D-2D-1102 P-3C and P-3C Update III Replacement NFO Cat 2  
 D-2D-1107 P-3C and P-3C Update III Replacement NFO Cat 4  
 D-2D-1111 P-3C and P-3C Update III Replacement NFO Cat 1 Trk  
 D-2D-1112 P-3C and P-3C Update III Replacement NFO Cat 2 Trk  
 D-2D-1116 P-3C and P-3C Update III Replacement NFO Cat 5 Trk  
 D-600-XXXX P-3C and P-3C AIP NFO Transition Training

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
NATOPS Flight Manual Navy Model P-3C Aircraft NA-01-75PAC-1	Hard Copy	11		On board
P-3 Tactical Manual 017-75-TAA-1T	Hard Copy	11		On board

**TRAINING ACTIVITY:** MTU 1039, NAMTRAGRU DET

**LOCATION, UIC:** NAS Cecil Field 66050

**CIN, COURSE TITLE:** C-646-9973 F/A-18 Stores Management System (Initial) Organizational Maintenance

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

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

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

**IV.B.3. TECHNICAL MANUALS**

**TRAINING ACTIVITY:** MTU 1038, NAMTRAGRU DET

**LOCATION, UIC:** NAS Lemoore 66060

**CIN, COURSE TITLE:** C-646-9973 F/A-18 Stores Management System (Initial) Organizational Maintenance

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

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

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

**TRAINING ACTIVITY:** Strike Fighter Weapons School Atlantic

**LOCATION, UIC:** NAS Cecil Field 47084

**CIN, COURSE TITLE:** D-646-0640 F/A-18 Conventional Weapons Loading

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

**CIN, COURSE TITLE:** D-646-0647 F/A-18 Conventional Release System Test

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

**IV.B.3. TECHNICAL MANUALS**

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

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

**CIN, COURSE TITLE:** E-646-0647 F/A-18 Conventional Release System Test

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

**TRAINING ACTIVITY:** VMAT-203 FREST  
**LOCATION, UIC:** MCAS Cherry Point 45483  
**CIN, COURSE TITLE:** C-646-9888 AV-8B Aircraft Ordnance Technician Integrated Organizational Maintenance

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Airborne AV-8B Weapons/Stores Loading Manual A1-AV8BB-LWS-000	Hard Copy	12		On board
Organizational Maintenance System Schematics, Weapons Control System A1-AV8BB-741-500	Hard Copy	12		On board

**CIN, COURSE TITLE:** C-646-3893 AV-8B Conventional Weapons Loading. Course C-646-3893, part of training track M-646-0143, is a new course for organizational weapons loading to be added to OTMS.

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Airborne AV-8B Weapons/Stores Loading Manual A1-AV8BB-LWS-000	Hard Copy	12		On board
Organizational Maintenance System Schematics, Weapons Control System A1-AV8BB-741-500	Hard Copy	12		On board

**IV.B.3. TECHNICAL MANUALS**

**TRAINING ACTIVITY:** MTU 4030, NAMTRAGRU DET

**LOCATION, UIC:** NAS Mayport 66069

**CIN, COURSE TITLE:** C-122-3111 Air Launched Guided Missiles Intermediate Maintenance

<b>TECHNICAL MANUAL TITLE, NUMBER</b>	<b>MEDIUM</b>	<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
Intermediate Maintenance Instructions with Illustrated Parts Breakdown, Maverick Laser Guided Missile AGM-65E, Maverick Infrared Guided Missile AGM-65F, Training Guided Missile A/A 37A-T9, Captive Air Training Missile CATM-65F, and Load Drill Trainer A/E 37A-T60, Afloat/NAS/MCAS AW-820CE-MIB-010	Hard Copy	8		On board
Airborne Weapons Packaging/Handling/Stowage (Shipboard) Volume I NAVAIR 11-120A-1.1	Hard Copy	8		On board
Airborne Weapons Packaging/Handling/Stowage (Shipboard) Volume II NAVAIR 11-120A-1.2	Hard Copy	8		On board
Ship Weapon Installation Manual, Laser Guided Missile AGM-65E and Infrared Guided Missile AGM-65F (Maverick) NAVAIR 11-120-58	Hard Copy	8		On board
Airborne Weapons Handling Equipment (Shipboard) NAVAIR 19-100-2	Hard Copy	8		On board
Airborne Weapons/Stores Checklist, Transporting and Loading Equipment Configuration (Shipboard) NAVAIR 19-95-1	Hard Copy	8		On board

**IV.B.3. TECHNICAL MANUALS**

**TRAINING ACTIVITY:** MTU 4032, NAMTRAGRU DET

**LOCATION, UIC:** NAS Norfolk 66046

**CIN, COURSE TITLE:** C-122-3111 Air Launched Guided Missiles Intermediate Maintenance

<b>TECHNICAL MANUAL TITLE, NUMBER</b>	<b>MEDIUM</b>	<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
Intermediate Maintenance Instructions with Illustrated Parts Breakdown, Maverick Laser Guided Missile AGM-65E, Maverick Infrared Guided Missile AGM-65F, Training Guided Missile A/A 37A-T9, Captive Air Training Missile CATM-65F, and Load Drill Trainer A/E 37A-T60, Afloat/NAS/MCAS AW-820CE-MIB-010	Hard Copy	8		On board
Airborne Weapons Packaging/Handling/Stowage (Shipboard) Volume I NAVAIR 11-120A-1.1	Hard Copy	8		On board
Airborne Weapons Packaging/Handling/Stowage (Shipboard) Volume II NAVAIR 11-120A-1.2	Hard Copy	8		On board
Ship Weapon Installation Manual, Laser Guided Missile AGM-65E and Infrared Guided Missile AGM-65F (Maverick) NAVAIR 11-120-58	Hard Copy	8		On board
Airborne Weapons Handling Equipment (Shipboard) NAVAIR 19-100-2	Hard Copy	8		On board
Airborne Weapons/Stores Checklist, Transporting and Loading Equipment Configuration (Shipboard) NAVAIR 19-95-1	Hard Copy	8		On board

**IV.B.3. TECHNICAL MANUALS**

**TRAINING ACTIVITY:** MTU 4033, NAMTRAGRU DET

**LOCATION, UIC:** NAS North Island 66065

**CIN, COURSE TITLE:** C-122-3111 Air Launched Guided Missiles Intermediate Maintenance

<b>TECHNICAL MANUAL TITLE, NUMBER</b>	<b>MEDIUM</b>	<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
Intermediate Maintenance Instructions with Illustrated Parts Breakdown, Maverick Laser Guided Missile AGM-65E, Maverick Infrared Guided Missile AGM-65F, Training Guided Missile A/A 37A-T9, Captive Air Training Missile CATM-65F, and Load Drill Trainer A/E 37A-T60, Afloat/NAS/MCAS AW-820CE-MIB-010	Hard Copy	8		On board
Airborne Weapons Packaging/Handling/Stowage (Shipboard) Volume I NAVAIR 11-120A-1.1	Hard Copy	8		On board
Airborne Weapons Packaging/Handling/Stowage (Shipboard) Volume II NAVAIR 11-120A-1.2	Hard Copy	8		On board
Ship Weapon Installation Manual, Laser Guided Missile AGM-65E and Infrared Guided Missile AGM-65F (Maverick) NAVAIR 11-120-58	Hard Copy	8		On board
Airborne Weapons Handling Equipment (Shipboard) NAVAIR 19-100-2	Hard Copy	8		On board
Airborne Weapons/Stores Checklist, Transporting and Loading Equipment Configuration (Shipboard) NAVAIR 19-95-1	Hard Copy	8		On board

**IV.B.3. TECHNICAL MANUALS**

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

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
LAU-117 Maintenance Aircraft Guided Missile Launcher Operations and Intermediate Maintenance Instructions with IPB NA 11-75A-79	Hard Copy	8		On board
Intermediate Maintenance Instructions with Illustrated Parts Breakdown, Maverick Laser Guided Missile AGM-65E, Maverick Infrared Guided Missile AGM-65F, Training Guided Missile A/A 37A-T9, Captive Air Training Missile CATM-65F, and Load Drill Trainer A/E 37A-T60, Afloat/NAS/MCAS AW-820CE-MIB-010	Hard Copy	8		On board
Airborne Weapons Assembly Manual Air Launched Guided Missiles and Selected Vehicles Volume I Air Intercept Missiles (Tactical) Organizational and Intermediate Activities NA 11-140-6.1	Hard Copy	8		On board

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

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

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

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

**IV.B.3. TECHNICAL MANUALS**

**TRAINING ACTIVITY:** EODTEU TWO

**LOCATION, UIC:** Fort Story 43505

**CIN, COURSE TITLE:** G-431-0001 EOD Pre-deployment Team Training

<b>TECHNICAL MANUAL TITLE, NUMBER</b>	<b>MEDIUM</b>	<b>QUANT REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
Explosive Ordnance Disposal Book EODB6OG-02-2-34-5	CD-ROM	4		On board



**PART V - MPT MILESTONES**

<b>COG CODE</b>	<b>MPT MILESTONES</b>	<b>DATE</b>	<b>STATUS</b>
PDA	Commence analysis of manpower personnel, and training requirements		Completed
DCNO/DMSO/CMC SPONSOR	Program manpower and training resource requirements		Completed
PDA	Fleet Introduction		Completed
PDA	ILSP Promulgated		Completed
TA	Commence Follow-on/replacement training		Completed
DA	Promulgate update Draft NTP to ALCON for review and comment		Completed
PDA	Proposed NTP submitted to OPNAV		Completed
DCNO (MPT)	Approve and promulgate NTP		Completed
TSA	Commence Initial Training		Completed
TSA	Technical Training Equipment delivered		Completed
TSA	Curricula material delivered		Completed
TSA	Develop Preliminary Draft NTSP (Update)		Completed

**PART VI - ACTION ITEMS / ACTION REQUIRED**

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

**Note:** As noted in NAMTRAGRU DET Cherry Point letter 4400/OIC of 14 June 1996, the following list of significant equipment reflects shortages for course C-646-3105, due to begin in October 1996:

<b>NOMENCLATURE</b>	<b>ESL</b>	<b>AVAILABLE FROM:</b>	
		<b>VMFAT-101</b>	<b>HMT-303</b>
LAU-7	2	2	1
LAU-115	2	2	0
LAU-116	4	0	0
LAU-117	4	1	0
LAU-118	4	0	0
LAU-127	4	0	0
SUU-62	2	0	0
SUU-63	2	0	0
AERO-7	2	3	0
Ejector Rack	4	0	2
BRU-20	4	0	2
BRU-32	2	0	0
BRU-33	2	2	0
BRU-36	4	0	0
BRU-42	4	1	0
ADU-299	2	2	0
LALS*	2	0	0
TOW Launcher	2	0	0
Hellfire Launcher	2	0	0
M197 20mm Gun	2	0	0
M61 20mm Gun	1	1	0
GAU-12 25mm Gun	1	0	0
XM218 .50 cal MG	2	0	0
GAU-17 7.62mm MG	2	0	0
M240D 7.62mm MG	2	0	0
XM89E1 Feeder	2	0	0
MAU-56 Feeder	2	0	0
AH-1 Turret System	4	0	2
Turret Assembly Stand	4	0	2

\* LALS consists of five components, FREST 101 will be sending only two of the five.

**PART VII - MAVERICK POINTS OF CONTACT**

<b>NAME, ACTIVITY, CODE</b>	<b>FUNCTION</b>	<b>TELEPHONE NUMBERS COMMERCIAL, DSN, FAX INTERNET ADDRESS</b>
CAPT F. Smith CNO N889H	Aviation Technical Training	(703) 604-7730, DSN 664 (703) 604-6969, (fax) smith.frank@hq.navy.mil
MSGT Anderson CNO N889H6	NTSP Policy	(703) 604-7722, DSN 664 (703) 604-6939 (fax) anderson.david@hq.navy.mil
AZC S. Dean CNO N889H7	NTSP Manager	(703) 604-7714, DSN 664 (703) 604-6939 (fax) dean.scott@hq.navy.mil
MAJ Charles Kelly CNO N880D5	Program/Resource Sponsor	(703) 614-2760, DSN 224  kelly.charles@hq.navy.mil
MAJ Ray Rowland CNO N881C8	Maintenance Resource Sponsor	(703) 604-7773, DSN 664 (703) 604-6977 (fax) Rowland.Raymond@hq.navy.mil
LTCOL W. Robinette CMC CMC HQ ASL-30	Aviation Ordnance Coordinator/CMC Sponsor	(703) 614-1133, DSN 224 (703) 697-7343 (fax) robinette_jrw@mcp-smtp3.usmc.mil
LTCOL Klauser MPD Quantico C463FT	Formal Training Plans	(703) 240-3065, DSN 278
LTCOL J. A. Haig MCCDC C532	Force Planning and Development	(703) 784-6180. DSN 278
LCDR T. Kennedy BUPERS PERS-404	Aviation Ordnance Manpower Distribution	(703) 693-1381, DSN 223
AEC A. Davila BUPERS PERS-221C1	Enlisted Plans and Career Management Division	(703) 695-3780 (703) 614-6502 (fax) p221c1@bupers.navy.mil
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Dan Cheek NAWCWD Point Mugu 311200E	Assistant Program Manager, Logistics (APML)	(805) 484-6290, DSN 351 (805) 484-6614 (fax) cheekd1@mugu.navy.mil

**PART VII - MAVERICK POINTS OF CONTACT**

<b>NAME, ACTIVITY, CODE</b>	<b>FUNCTION</b>	<b>TELEPHONE NUMBERS COMMERCIAL, DSN, FAX INTERNET ADDRESS</b>
Richard Brown NAVAIRSYSCOM AIR-3.1.1K	APML Launchers (LAU/117A)	(301) 757-7455, DSN 757 (301) 757-7446 (fax) brownr.jfk@navair.navy.mil
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AOCM T. Carroll NAMTTRAGRU HQ N2412	Air Launched Weapons Technical Coordinator	(904) 452-8911, DSN 922 (904) 452-9769 (fax) namtghq.n2412@smtp.cnet.navy.mil
Ken Claunch NAWCWPNS China Lake 341000D	Fleet Support Manager	(760) 927-1218, DSN 469 (760) 927-2616 (fax) ken_claunch@imdgw.chinalake.navy.mil
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AVCM R. Lovern NAVAIRSYSCOM AIR-3.4.1	NTSP Manager	(301) 757-9183, DSN 757 (301) 342-4723 (fax) lovern_roger%pax8b@mr.nawcad.navy.mil
ATCS D. Butler NAVAIRSYSCOM AIR-3.4.1	NTSP Coordinator	(301) 757-9188, DSN 757 (301) 342-4723 (fax) butler_dell%pax8b@mr.nawcad.navy.mil