

DRAFT

NAVY TRAINING SYSTEM PLAN

FOR THE

AIM-54 PHOENIX MISSILE

N88-NTSP-A-50-8007C/D

JUNE 1997

Enclosure (1)

AIM-54 PHOENIX MISSILE

EXECUTIVE SUMMARY

The AIM-54 Phoenix Missile was developed in the 1970s as the principle long-range, air-to-air, defense armament of the F-14 Aircraft. The AIM-54 Phoenix Missile is a fielded weapon currently in Phase III, the Production, Fielding/Deployment, and Operational Support Phase of the Weapon System Acquisition Process. The AIM-54 Phoenix Missile is used exclusively on the F-14A/B/D Aircraft.

The AIM-54 Phoenix Missile is a radar guided, air-to-air missile consisting of a guidance section, armament section, propulsion section, control section, interconnecting surface cables, wings, and fins. The three versions of the AIM-54 Phoenix Missile currently being used are the AIM-54A, AIM-54C, and the AIM-54 ECCM/Sealed. Initial Operating Capability was attained in 1974 for the AIM-54A, 1986 for the AIM-54C, and 1988 for the AIM-54C ECCM/Sealed.

The AIM-54 Phoenix Missile maintenance concept is based on an overall objective to assure All-Up-Rounds are available to fulfill commitments of operational activities and provide the means to restore unserviceable missiles to serviceable condition with minimal downtime. Maintenance requirements are allocated to the organizational, intermediate, and depot levels of maintenance as defined in the Naval Airborne Weapons Maintenance Program, OPNAVINST 8600.2B. Workload associated with AIM-54 Phoenix Missile does not increase existing manning levels.

The AIM-54 Phoenix Missile training concept is divided into organizational and intermediate level. Organizational level training is provided to the operator and maintenance personnel. Operator training is provided to F-14 pilot and Naval Flight Officer personnel by VF-101, Naval Air Station (NAS) Oceana, Strike Weapons and Tactics School, Atlantic (SWATSLANT) NAS Oceana provides F-14 aircrew instruction on Phoenix employment and tactics prior to Carrier Air Wing deployment, and Naval Strike and Air Warfare Center (NSAWC) TOPGUN at NAS Fallon provides select F-14 aircrew instruction on Phoenix employment and tactics. Organizational level maintenance training is provided to Aviation Ordnanceman (AO) by Maintenance Training Unit (MTU) 1007, NAS Oceana. Intermediate level maintenance training is provided to AO personnel by MTU 4030, Naval Station Mayport; MTU 4032, NAS Norfolk; MTU 4033, NAS North Island.

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LIST OF ACRONYMS

AEM	Air Evaluation Missile
AIMD	Aircraft Intermediate Maintenance Department
AMIST	Aviation Maintenance In-Service Training
AMTCS	Aviation Maintenance Training Continuum System
AO	Aviation Ordnanceman
ATM	Air Training Missile
AUR	All-Up-Round
BIST	Built-In Self Test
BUPERS	Bureau of Naval Personnel
CAI	Computer Aided Instruction
CANTRAC	Catalog of Navy Training Courses
CATM	Captive Air Training Missile
CBT	Computer Based Training
CIN	Course Information Number
CINCLANTFLT	Commander in Chief, Atlantic Fleet
CINCPACFLT	Commander in Chief, Pacific Fleet
CMI	Computer Managed Instruction
CNARF	Commander, Naval Air Reserve Force
CNET	Commander, Naval Education and Training
CNO	Chief of Naval Operations
CWTPFI	Conventional Weapon Technical Proficiency Inspection
DATM	Dummy Air Training Missile
DEU	Digital Electronics Unit
DOP	Designated Overhaul Point
EA	Electronic Assembly
EAG	Extended Active Gate
ECCM	Electronic Counter Counter-Measure
ECM	Electronic Counter Measure
ECP	Engineering Change Proposal
EOD	Explosive Ordnance Disposal
EODTEU	Explosive Ordnance Disposal Training Evaluation Unit
ESCA	Electronic Servo Control Amplifier
FOT&E	Follow-On Test and Evaluation
GMTS	Guided Missile Test Set

HAP	High Altitude Performance
ICW	Interactive Courseware
ILSP	Integrated Logistics Support Plan
ISA	Inertial Sensor Assembly
IUT	Instructor Under Training
MOAT	Missile On Aircraft Test
MOS	Military Occupational Specialty
MSD	Material Support Date
MTIP	Maintenance Training Improvement Program
MTU	Maintenance Training Unit
NALC	Navy Ammunition Logistics Code
NAMTRAGRU DET	Naval Air Maintenance Training Group Detachment
NAS	Naval Air Station
NAVAIRSYSCOM	Naval Air Systems Command
NAVEDTRA	Naval Education and Training
NAVSCOLEOD	Navy School, Explosive Ordnance Disposal
NAVSURFWARCEN	Naval Surface Warfare Center
NEC	Navy Enlisted Classification
NFO	Naval Flight Officer
NS	Naval Station
NSAWC	Naval Strike and Air Warfare Center
NSD	Navy Support Date
NTSP	Navy Training System Plan
NWS	Naval Weapons Station
OPEVAL	Operational Evaluation
OPNAV	Office of the Chief of Naval Operations
OPNAVINST	Office of the Chief of Naval Operations Instructions
OPO	OPNAV Principle Official
OTMS	OPNAV Training Management System
PDA	Principal Development Agency
PQS	Personnel Qualification Standard
RFT	Ready For Training
RID	Reject Image Device
RSP	Rendering Safe Procedures
SELRES	Selected Reserve
SIST	Serviceable In Service Time

SRA	Shop Replaceable Assembly
SSRTU	Solid-State Receiver-Transmitter Unit
SWATSLANT	Strike Weapons And Tactics School, Atlantic
TD	Training Device
TDD	Target Detecting Device
TECHEVAL	Technical Evaluation
TMCR	Technical Manual Control Requirements
TSA	Training Support Agency
TTE	Technical Training Equipment
WR	Work Requests
WST	Weapons System Trainer

PREFACE

This Draft Navy Training System Plan (NTSP) for the AIM-54 Phoenix Missile was prepared as part of the regular NTSP update process within the guidelines as set forth in OPNAVINST 1500.8M. This NTSP reflects the changes that have occurred since the previously approved Navy Training Plan, A-50-8007B/A for the AIM-54C Phoenix Missile dated September 1992.

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 (TD) allocation listings; identification of “A” School Core and Strand training and “C” School Initial and Career training; and deletion and relocation of training sites due to decisions made by the Base Realignment Commission.
- 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** No major changes.
- PART VI** No major changes.
- 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.** AIM-54 Phoenix Missile.
- 2. **Program Element.** 663321N.

B. SECURITY CLASSIFICATION

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

C. MANPOWER, PERSONNEL, AND TRAINING PRINCIPALS

- OPNAV Principal Official (OPO) Program Sponsor..... CNO (N88)
- OPO Resource Sponsor..... CNO (N880C7)
- Developing Agency (DA) NAVAIRSYSCOM (PMA259)
- Training Agency (TA) CINCLANTFLT
CINCPACFLT
CNET
- Training Support Agency (TSA)..... NAVAIRSYSCOM (PMA205)
- Manpower and Personnel (M&P) Mission Sponsor..... CNO (N1)
BUPERS (PERS-4, -22)
- Commander, Reserve Program Manager..... COMNAVAIRESFOR
(Code N85)
- Director of Naval Training CNO (N7)

D. SYSTEM DESCRIPTION

1. Operational Uses. The AIM-54 Phoenix Missile; hereafter referred to as the AIM-54A, AIM-54C, or AIM-54C Electronic Counter Counter-Measure (ECCM)/Sealed Missile when describing each specific configuration, or the Phoenix Missile when referring to all configurations, was developed as the principal long-range, air-to-air, defense armament of the F-14A/B/D aircraft. The combination of the Phoenix Missile and F-14 aircraft are a total weapon system that has the capability to launch up to six missiles against an equal number of targets at ranges sufficient to provide a distant first line of defense.

2. Foreign Military Sales. Currently, there are no Foreign Military Sales of the Phoenix Missile.

E. DEVELOPMENTAL TEST AND OPERATIONAL TEST. The AIM-54A Technical Evaluation (TECHEVAL) was completed in November 1973. Operational Evaluation (OPEVAL) was completed in November 1974. The AIM-54C TECHEVAL began in May 1982 and was completed in November 1982. The OPEVAL began in March 1983 and was completed in August 1983. AIM-54C ECCM/Sealed Missile TECHEVAL was completed in June 1985, and OPEVAL was completed in July 1988.

F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED. The AIM-54C and AIM-54C ECCM/Sealed are replacing the AIM-54A. As AIM-54A inventories are depleted they will not be replenished.

G. DESCRIPTION OF NEW DEVELOPMENT

1. Functional Description. The Phoenix Missile is a radar guided air-to-air missile consisting of a guidance section, armament section, propulsion section, control section, interconnecting surface cables, wings, and fins. The missile is designed for ejection launch using the LAU-93 or LAU-132 launchers. Semi-active and active homing radar and hydraulically operated fins direct and stabilize the missile on course to the target. Propulsion is provided by a solid propellant rocket motor, and lethality by a high explosive warhead. Performance modifications to the AIM-54A were incorporated during and after production. The Reject Image Device (RID), High Altitude Performance (HAP), and Extended Active Gate (EAG) were incorporated during production. The MK 11 MOD 3 Electronics Assembly (EA) modification was installed by retrofit after production. The AIM-54C and AIM-54C ECCM/Sealed Missile have a Built In Self Test (BIST) feature. BIST may be selected in conjunction with Missile On Aircraft Test (MOAT). The AIM-54C ECCM/Sealed Missile provides two major improvements over the AIM-54C. ECCM provides enhanced electronic protection and sealing the missile eliminates the requirement for aircraft supplied liquid thermal conditioning fluid during captive flight. Major modifications to each section of the different versions of the Phoenix Missile are described below.

a. Guidance Section

(1) **AIM-54A.** The RID modification offers improved capabilities against low altitude targets over water. The EAG modification improves capabilities against certain Electronic Counter Measure (ECM) threats.

(2) **AIM-54C.** The AIM-54C Guidance Section has a new Solid-State Receiver-Transmitter Unit (SSRTU), Digital Electronics Unit (DEU), and Inertial Sensor Assembly (ISA) as well as a modified guidance section wiring harness. Design improvements reduce inherent oscillator drift, provide range discrimination, and improve reliability.

(3) **AIM-54 ECCM/Sealed Missile.** The DEU front receiver has been modified and an improved version of the program memory has been added to enhance ECCM capabilities. Heaters have been added, operating temperatures of selected subassemblies have been extended, and circuit temperature compensation has been added for sealed operation. The SSRTU has been modified to improve ECCM performance, selected subassemblies have been improved to increase operating temperature ranges, circuit temperature compensation has been added for sealed operation, and the ISA has been modified to include a heater for sealed operation.

b. Armament Section

(1) **AIM-54A.** The MK 11 MOD 3 EA modification upgrades the Targeting Detecting Device (TDD) to improve warhead lethality against short targets.

(2) **AIM-54C.** The AIM-54C has a new TDD, the DSU-28, utilizing the MK 82 MOD 0 warhead. The MK 82 MOD 0 warhead is used with the DSU-28 on AIM-54C All-Up-Round (AUR), serial number 83001 through 83054. A new warhead, WDU-29/B was incorporated in the FY83 production of the AIM-54C AUR starting with serial number 83055. The new warhead offers a 20-25 percent increase in effectiveness.

(3) **AIM-54C ECCM/Sealed Missile.** The AIM-54C ECCM/Sealed Missile uses the same armament section as the AIM-54C.

c. Propulsion Section. The AIM-54A, AIM-54C, and AIM-54C ECCM/Sealed Missile use the MK 47 MOD 1 rocket motor assembly.

d. Control Section

(1) **AIM-54A.** The HAP modification improves capabilities against very high and fast targets.

(2) **AIM-54C.** The Electronic Servo Control Amplifier (ESCA) replaces the autopilot unit in the AIM-54A control section.

(3) **AIM-54 ECCM/Sealed Missile.** The Electrical Conversion Unit (ECU) has been completely redesigned for sealed operations. The new design requires no heater for temperature regulation.

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

Length	156 inches
Diameter	15 inches
Wing span	36 inches
Fin span	36 inches
Weight, AIM-54A.....	1000 pounds
Weight, AIM-54C.....	1020-1040 pounds
Weight AIM-54C ECCM/Sealed Missile ..	1023 pounds

Note: Weight varies with missile configuration.

3. New Development. The Phoenix Missile was introduced as new production. The AIM-54C was introduced to the fleet in August 1982 as an upgrade to the AIM-54A. The AIM-54C ECCM/Sealed Missile was introduced to the fleet in February 1985 as a configuration Engineering Change Proposal (ECP) to the AIM-54C.

4. Significant Interfaces. The F-14A/B/D aircraft missile interface system consists of launchers, weapons rails, multi-purpose pylons, and Phoenix adapter assemblies. The launcher LAU-93 series is used to carry and launch the AIM-54A and AIM-54C from the F-14A/B. The launcher LAU-132 is used to carry and launch the AIM-54C ECCM/Sealed Missile from the F-14D.

5. New Features, Configurations, or Material. Not Applicable (NA).

H. CONCEPTS

1. Operational Concept. The Phoenix Missile is employed by F-14 aircrew during air-to-air combat missions, primarily against medium and long range aerial threats. The F-14 aircraft can be configured with up to six Phoenix Missiles.

2. Maintenance Concept. Maintenance of the Phoenix Missile employed on the F-14A/B and the F-14D aircraft is accomplished using the basic maintenance philosophy outlined in OPNAVINST 4790.2F, and specific weapons maintenance instructions outlined in OPNAVINST 8600.2B.

a. Organizational. Organizational maintenance units receive the Phoenix Missile as an AUR. Work Center 230 manned by Navy Aviation Ordnanceman (AO) personnel with Navy Enlisted Classification (NEC) 8335 and 8835 (F-14D) or 8345 and 8845 (F-14A/B) perform

organizational level maintenance. Phoenix Missile readiness can be performed and verified on deck or in the air by the aircrew. Organizational level maintenance tasks include:

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

b. Intermediate. Intermediate Maintenance Activities' Weapons Departments (shipboard and Naval Air Stations) receive AURs from the Naval Weapons Station (NWS), and launchers from the supply system or Aircraft Intermediate Maintenance Department (AIMD). Phoenix Missile maintenance is performed by Weapons Department AO personnel with NEC 6801. AIMD Work Center 710 Navy AO personnel with NECs 6802 and 6803 functionally test the launchers. Weapons Department intermediate level maintenance tasks include:

- Visually inspect for damage and corrosion
- Perform corrosion control procedures
- De-can and can AUR
- Install and remove wings and fins
- Ready service inspection
- Record keeping and reporting
- Prepare AUR for shipping or storage
- Technical Directive implementation
- Deliver missile to organizational activity

c. Depot. OPNAVINST 8600.2B divides Depot Level into two sub-levels of maintenance: Naval Weapon Station and Designated Overhaul Point (DOP). The Integrated Logistics Support Plan (ILSP) for the AIM-54 Phoenix Air to Air Guided Missile also divides this level into two sub-levels: AUR Depot Level Maintenance and Depot Level Maintenance. This document will use the terms described in the OPNAVINST 8600.2B.

(1) Naval Weapons Station. NWS Seal Beach (Fallbrook Annex), California, and NWS Yorktown, Virginia, are the depot level AUR maintenance activities for the Phoenix Missile. NWS maintenance tasks include:

- Visual inspection for damage and corrosion
- Fault isolation by AUR test to faulty section
- Repair by replacement of failed sections and external components

- Perform corrosion control procedures
- Containerize AUR for storage or loadout
- Technical Directive implementation
- Recertification of AUR by retest
- Record keeping and reporting
- Minor container repair

(2) Designated Overhaul Point. The DOP is responsible for maintenance beyond the capabilities of the NWS (depot level AUR) activities, including major overhaul or complete rebuild of sections or subassemblies required to restore defective sections and repairable Shop Replaceable Assemblies (SRAs) to original acceptance standards. DOP maintenance is performed on warheads, containers, wings, and fins at the NWS Yorktown, Virginia. Container DOP maintenance is performed at NWS Seal Beach (Fallbrook Annex), California, and NWS Seal Beach, California. Guidance, control section, and internal sensor assembly DOP maintenance is performed at Letterkenny Army Depot, Chambersburg, Pennsylvania. Rocket motor assembly and igniter DOP maintenance is performed at Naval Surface Warfare Center (NAVSURFWARCEN) Indian Head, Maryland. Serviceable sections and components repaired by the DOP, are returned to the NWS.

d. Interim Maintenance. The Phoenix Missile has achieved full organic support. Navy Support Date (NSD) for the AIM-54A was May 1977 and March 1988 for the AIM-54C and AIM-54C ECCM/Sealed Missile.

e. Life Cycle Maintenance Plan. The Serviceable In Service Time (SIST) defines an interval during which a missile or missile component is in a serviceable condition. SIST for AIM-54A is 18 months after testing at the NWS, and 24 months for the AIM-54C and AIM-54C ECCM/Sealed Missile.

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

4. Training Concept. The Phoenix Missile training concept is divided into organizational and intermediate level maintenance based on OPNAVINST 4790.2F. Organizational level training is provided to operator and maintenance personnel. Operator training is provided for F-14 pilot and NFO personnel. Organizational level maintenance training is provided to AO personnel awarding NECs 8845, 8335, and 8345. Intermediate level training is provided to maintenance personnel with NEC 6801.

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

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

b. Follow-on Training. Follow-on training for the Phoenix Missile is available as part of courses taught at Fleet Readiness Squadron (FRS), VF-101, Naval Air Station (NAS) Oceana, Virginia; Maintenance Training Unit (MTU) 1007, Naval Air Maintenance Training Group Detachment (NAMTRAGRU DET), NAS Oceana, Virginia; Strike Weapons And Tactics School, Atlantic (SWATSLANT), NAS Oceana; MTU 4030, NAMTRAGRU DET, Naval Station (NS) Mayport, Florida; MTU 4032, NAMTRAGRU DET, NAS Norfolk, Virginia; and MTU 4033, NAMTRAGRU DET, NAS North Island, California. Explosive Ordnance Disposal (EOD) training is available through Navy School, Explosive Ordnance Disposal (NAVSCOLEOD), NAVSURWARCEN, Indian Head, Maryland. The Phoenix Missile causes no change in student throughput or chargeable student billets. Follow-on training courses have all been modified to include the updated AIM-54C and AIM-54C ECCM/Sealed Missile.

(1) Operator Training. Pilots and NFOs are trained at VF-101 NAS Oceana for specific aircraft operation, tactic skills, and ordnance delivery. Training on the Phoenix Missile at the FRS includes use of a simulator known as the Weapons Systems Trainer (WST). Other TDs required for operator proficiency training include Captive Air Training Missile (CATM), Air Training Missile (ATM) and Air Evaluation Missile (AEM) at fleet squadrons.

- **Captive Air Training Missile.** The CATM-54A-2 and CATM-54C are inert, captive flight training missiles permitting realistic exercise of the Phoenix Missile. The CATM airborne operation provides direct comparison with actual weapon firings by simulation without expending the missile.
- **Air Evaluation Missile.** AEMs are telemetry equipped missiles required for live

firings in Follow-On Test and Evaluation (FOT&E), operational readiness evaluation, test and evaluation, and fleet readiness.

- **Air Training Missiles.** ATMs are equivalent to tactical missiles in weight, balance, and external appearance. The ATM consists of a tactical guidance, control, and propulsion section. The armament section fuze, fuze booster, and explosive lead have been removed to prevent warhead detonation upon target intercept. ATMs function identical to tactical missiles and are used for live firings at airborne targets during fleet training exercises.

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 Phoenix Missile source material has been incorporated in these courses with minimal impact. The Phoenix Missile causes no change in student throughput or chargeable student billets, and, therefore, these courses will not appear in Parts II and III. For complete course listings, please refer to NTP A-50-8511A.

FOLLOW-ON TRAINING MATRIX

COURSE NUMBER	COURSE TITLE	RFT DATE INCLUDING PHOENIX
D-2A-1601	F-14 Pilot Category 1	On-line
D-2A-1602	F-14 Pilot Category 2	On-line
D-2A-1603	F-14 Pilot Category 3	On-line
D-2A-1604	F-14 Pilot Category 4	On-line
D-2A-1605	F-14 Pilot Instructor Under Training (IUT) Category 5	On-line
D-2A-1631	F-14D Category 1 Replacement Pilot	On-line
D-2A-1634	F-14D Category 2 Replacement Pilot	On-line
D-2A-1637	F-14D Category 3 Replacement Pilot	On-line
D-2A-1640	F-14D Category 4 Replacement Pilot	On-line
D-2D-1601	F-14 Naval Flight Officer Category 1	On-line

COURSE NUMBER	COURSE TITLE	RFT DATE INCLUDING PHOENIX
D-2D-1602	F-14 Naval Flight Officer Category 2	On-line
D-2D-1603	F-14 Naval Flight Officer Category 3	On-line
D-2D-1604	F-14 Naval Flight Officer Category 4	On-line
D-2D-1631	F-14D Naval Flight Officer Category 1	On-line
D-2D-1634	F-14D Naval Flight Officer Category 2	On-line
D-2D-1637	F-14D Naval Flight Officer Category 3	On-line
D-2D-1640	F-14D Naval Flight Officer Category 4	On-line

(2) **Organizational Maintenance.** Organizational level maintenance personnel are trained at the appropriate MTU for specific aircraft maintenance 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 is physically representative of the Phoenix Missile. It is a TD 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 Phoenix Missile will be taught in “A” school and in the following organizational level maintenance training courses. The Phoenix Missile source material has been incorporated in these courses with minimal impact. The Phoenix Missile causes no change in student throughput or chargeable student billets, and, therefore, these courses will not appear in Parts II and III. For complete course listings, please refer to NTP A-50-8511A.

FOLLOW-ON TRAINING MATRIX

COURSE NUMBER	COURSE TITLE	TRACK NUMBER	RFT DATE INCLUDING PHOENIX
C-646-9962	F-14A/B Armament Systems Organizational Maintenance (Initial)	D-646-1647	On-line
C-646-9963	F-14A/B Armament Systems Organizational Maintenance (Career)	D-646-1641	On-line
C-646-9906	F-14D Armament Systems Organizational Maintenance	D-646-1640	On-line
D-646-1644	F-14A/B Conventional Weapons Loading	Stand alone	On-line

(3) **Intermediate Maintenance.** Intermediate maintenance training is available for AO 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 course have been updated to include Phoenix Missile data:

Title Air Launched Guided Missiles Intermediate Maintenance
 CIN C-122-3111 (part of D/E-646-7007)
 Model Manager... MTU 4030
 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, NS Mayport
 MTU 4032, NAMTRAGRU DET, NAS Norfolk
 MTU 4033, NAMTRAGRU DET, NAS North Island
 Length 11 days
 RFT date Currently available
 Skill identifier 6801 awarded upon completion of track
 D/E-646-7007
 TTE/TD DATM
 Prerequisite AO A1 or equivalent

(4) **Explosive Ordnance Disposal Training.** EOD Training is conducted at NAVSURFWARCEN, Indian Head. EOD personnel at NAVSCOLEOD use salvaged CATMs as TDs for EOD training. However, these CATMs do not contain the safe and arm section

required for teaching practical application of Rendering Safe Procedures (RSP).

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

Title EOD Phase II (Navy)
CIN A-431-0011
Model Manager... 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
Length 201 days
RFT date Currently available
Skill identifiers .. NEC 5332, Navy Officer Billet Code 9230
TTE/TD CATM
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 CATM
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 41 days
RFT date Currently available

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

c. Student Profiles

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
AO 6801	C-646-2011, Aviation Ordnance “Class A1” School (Common Core) and 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):

TRACK NUMBER	TRACK TITLE
D/E-646-7007	Air Launched Guided Missiles Intermediate Maintenance

I. ON-BOARD (IN-SERVICE) TRAINING

1. Proficiency or Other Training Organic to the New Development. Pilot and NFO weapons proficiency training is accomplished in three steps: Academic, Simulator, and Captive Carry:

- **Academic.** Aircrew receive academic training within their respective squadron from the weapon subject matter expert. Selected squadron aircrew receive additional classroom weapon training from Navy Fighter Weapons School, NAS Fallon, Nevada.
- **Simulator.** The appropriate WST is set up by the squadron for the aircrew 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 aircrew will gain proficiency and final qualification on the selected weapon.

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 4790.2F, 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 simulator is used by the squadron for the aircrew 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 aircrew will gain proficiency and final qualification on the selected weapon.

2. Personnel Qualification Standards. NA.

3. Other On-Board or Inservice Training Packages. The Conventional Weapon Technical Proficiency Inspection (CWTPI) is a graded inspection administered every 24 months by SWATSLANT, NAS Oceana. A five day training course is provided by SWATSLANT prior to the actual CWTPI. The inspection evaluates a squadron's ability to wire-check correctly, upload & download conventional ordnance. The CWTPI determines the need for further conventional weapons load training of squadron AO and Aviation Electronics Technician (AT) personnel.

J. LOGISTICS SUPPORT

1. Manufacturer and Contract Numbers

CONTRACT NUMBER	MANUFACTURER	ADDRESS
N00019-89-C-0079 N00019-90-C-0069	Hughes Aircraft Co.	Los Angeles, California
N00019-89-C-0112	Raytheon	San Diego, California

2. Program Documentation. The current ILSP is ILSP No. MS-027, approved January 1993.

3. Technical Data Plan. Navy technical publication requirements are identified in Technical Manual Control Requirements (TMCR) and Work Requests (WR) issued by the Naval Air Technical Services Facility, Philadelphia, Pennsylvania. Each TMCR and WR identifies the required technical manuals or technical source data to be furnished, the general and detailed technical content, and the preparation specifications. NA-01-AIM54-0 lists all technical manuals required for the AIM-54A, AIM-54C and AIM-54C ECCM/Sealed Missiles. Manuals required for training are currently available and listed in element IV.B.3 of this NTSP.

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

The AN/DSM-130 Guided Missile Test Set (GMTS), used at the NWS for testing the AUR, is an integrated test set designed for computer controlled testing of the AIM-54A, AIM-54C, and AIM-54C ECCM/Sealed Missile.

Depot level test sets have been delivered. AIM-54A depot level test sets were modified for use with the AIM-54C and AIM-54C ECCM/Sealed Missile configuration testing. The following test sets and stations were modified:

- Unit/Assembly Test Station - 1046245
- Flexible Automatic Circuit Tester - 1046290
- Guidance Section Test Station - N089122-4
- Control Section Test Station - N089122-5

Letterkenny Army Depot, Chambersburg, Pennsylvania, test station requirements for the AIM-54C and AIM-54C ECCM/Sealed Missile configurations are:

- DEU Test Station - 1351200
- Front/Rear Receiver Test Station - 1128620
- Digital Chassis Test Station - 1351500
- ISA Test Station - 1351951
- Receiver-Transmitter Test Station - 1352000
- Programmable Read-Only Memory Test Station - 1046240
- Hybrid Test Station (analog) - 1351600
- Hybrid Test Station (digital) - 1351800

AIM-54A test stations that do not support the AIM-54C and AIM-54C ECCM/Sealed Missile and will no longer be required when AIM-54A inventories are depleted:

- Electronics Unit Test Station - 1046220
- Rate Sensor Unit Test Station - 1046280
- Receiver-Transmitter Unit Test Station - 1046240
- Target Detecting Device Test Station - MK 488

5. Repair Parts. The Material Support Date (MSD) for the AIM-54A was completed April 1975, the AIM-54C and AIM-54 ECCM/Sealed Missile was completed August 1986. Repair parts are available through the Navy supply system. Normal replenishment procedures based upon demand and usage are used to maintain stock levels of spares, repair parts, and consumables.

6. Human Systems Integration. NA.

K. SCHEDULES

1. Schedule of Events. The AIM-54A attained initial operational capability in 1974 as the principal long range defense armament of the F-14 Aircraft. Approximately 2,500 production AIM-54A missiles were delivered between 1972 and October 1980.

The AIM-54C missile attained initial operational capability in December 1986. Approximately 300 production AIM-54C missiles were delivered between August 1982 and August 1986.

The AIM-54C ECCM/Sealed Missile attained initial operational capability in 1988. Approximately 1900 production AIM-54C ECCM/Sealed Missiles were delivered between February 1986 and September 1992. All fleet deliveries are complete. NSD was attained in September 1991. All training activities are currently Ready For Training (RFT).

a. Installation and Delivery Schedules. Phoenix Missile schedules are classified and are contained in the Weapon Systems Planning Document for the Phoenix Missile, NAVAIRNOTE C13100 of 5 January 1996.

b. Ready For Operational Use Schedule. The Phoenix Missile is currently considered to be ready for operational use.

c. Time Required to Install at Operational Sites. The Phoenix Missile is delivered as an AUR.

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

e. Training Device and Delivery Schedule. One hundred twenty-two CATMs and 23 DATMs have been delivered to the fleet. The following table shows the location of all TDs, with the information currently available. For the most up-to-date list of the location of the TDs, a current listing from Conventional Ammunition Integrated Management System (CAIMS) should be obtained. Element IV.A.2 of this NTSP contains information on locations of TDs.

NOMENCLATURE	DESIGNATOR	NALC	LOCATION	QTY	DATE
Phoenix	CATM-54-A-2	NW90	Yorktown	14	On board
Phoenix	CATM-54A-2	NW90	Norfolk	1	On board
Phoenix	CATM-54A-2	NW90	Fallbrook	27	On board
Phoenix	CATM-54A-2	NW90	Patuxent River	6	On board
Phoenix	CATM-54A-2	NW90	Letterkenney	8	On board
Phoenix	CATM-54A-2	NW90	Pacific	1	On board
Phoenix	CATM-54A-2	NW90	China Lake	2	On board
Phoenix	CATM-54A-2	NW90	Dallas	2	On board
Phoenix	CATM-54C	PU23	Yorktown	2	On board
Phoenix	CATM-54C	PU23	Fallbrook	11	On board
Phoenix	CATM-54C	PU23	Letterkenny	14	On board
Phoenix	CATM-54C	PU23	Oceana	8	On board
Phoenix	CATM-54C	PU23	Pt. Mugu	8	On board
Phoenix	CATM-54C	PU23	Pacific	5	On board
Phoenix	CATM-54C	PU23	Atlantic	5	On board
Phoenix	CATM-54C	PU23	Dallas	4	On board
Phoenix	CATM-54C	PU22	Fallbrook	4	On board
Phoenix	DATM-54	BWDI	Miramar	2	On-board

NOMENCLATURE	DESIGNATOR	NALC	LOCATION	QTY	DATE
Phoenix	DATM-54	BWDI	Oceana	2	On-board
Phoenix	DATM-54	BWDI	CINCLANTFLT	2	On-board
Phoenix	DATM-54	BWDI	CINCPACFLT	2	On-board
Phoenix	DATM-54	BWDI	Indian Head	2	On-board
Phoenix	DATM-54	BWDI	Pt. Mugu	2	On-board
Phoenix	DATM-54	BWDI	NAVAIRSYSCOM	2	On-board
Phoenix	DATM-54	BWDI	NAMTRAGRU DET	3	On-board
Phoenix	DATM-54	BWDI	Naval Reserve	3	On-board
Phoenix	DATM-54	BWDI	NWS	3	On-board

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

M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS

DOCUMENT OR NTSP TITLE	DOCUMENT OR NTSP NUMBER	PDA CODE	STATUS
F-14A (Plus)/F-14D Aircraft	A-50-8511A	PMA241	Approved April 1993
Phoenix ILSP	MS-027	AIR-4101L2	Approved January 1993
Phoenix Operational Logistics Support Plan	MS-020	AIR-4181C2	Approved January 1989

PART II - BILLET AND PERSONNEL REQUIREMENTS

II.A. BILLET REQUIREMENTS

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

SOURCE:

DATE: 6/1/96

ACTIVITY, UIC	PFYs	CFY97	FY98	FY99	FY00	FY01
OPERATIONAL ACTIVITY	NAVY					
VAQ-129, 09995	1	0	0	0	0	0
VFA-106, 09679	1	0	0	0	0	0
VFA-125, 09485	1	0	0	0	0	0
TOTAL:	3	0	0	0	0	0
FLEET SUPPORT ACTIVITY	NAVY					
AIMD Brunswick, 60087	1	0	0	0	0	0
AIMD Cecil Field, 60200	1	0	0	0	0	0
AIMD Fallon, 44317	1	0	0	0	0	0
AIMD Keflavik, 63032	1	0	0	0	0	0
AIMD Lemoore, 44321	1	0	0	0	0	0
AIMD Memphis, 00639	1	0	0	0	0	0
AIMD Oceana, 60191	1	0	0	0	0	0
AVORD/MTT Norfolk, 48764	1	0	0	0	0	0
COMNAVAIRLANT, 57012	1	0	0	0	0	0
CV-61 USS Ranger, 03361	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	1	0	0	0
CV-67 USS Kennedy, 03367	1	0	0	0	0	0
CVN-65 USS Enterprise, 03365	1	0	0	0	0	0
CVN-68 USS Nimitz, 03368	1	0	0	0	0	0
CVN-69 USS Eisenhower, 03369	1	0	0	0	0	0
CVN-70 USS Vinson, 20993	1	0	0	0	0	0
CVN-71 USS Roosevelt, 21247	1	0	0	0	0	0
CVN-72 USS Lincoln, 21297	1	0	0	0	0	0
CVN-73 USS Washington, 21412	1	0	0	0	0	0
CVN-74 USS Stennis, 21847	1	0	0	0	0	0
CVN-75 USS Truman, 21853	1	0	0	0	0	0
LHA-1 USS Tarawa, 20550	1	0	0	0	0	0
LHA-2 USS Saipan, 20632	1	0	0	0	0	0
LHA-3 USS Belleau Wood, 20633	1	0	0	0	0	0
LHA-4 USS Nassau, 20725	1	0	0	0	0	0
LHA-5 USS Peleliu, 20748	1	0	0	0	0	0
LPH-10 USS Tripoli, 07198	1	0	0	0	0	0
LPH-11 USS New Orleans, 07202	1	0	0	0	0	0
LPH-7 USS Guadalcanal, 07352	1	0	0	0	0	0
LPH-9 USS Guam, 07178	1	0	0	0	0	0
NAVAIRWP-MAINTUN, 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, 63126	1	0	0	0	0	0
TOTAL:	36	0	1	0	0	0

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIGN RATING	PNEC/SNEC PMOS/SMOS	
	OFF	ENL			
AIMD Brunswick, 60087 ACDU	0	8	AO	6801	
	0	1	AO	6810	6801
ACTIVITY TOTAL:	0	9			
AIMD Cecil Field, 60200 ACDU	0	20	AO	6801	
ACTIVITY TOTAL:	0	20			
AIMD Fallon, 44317 ACDU	0	2	AO	6801	
ACTIVITY TOTAL:	0	2			
AIMD Keflavik, 63032 ACDU	0	7	AO	6801	
	0	1	AO	6801	9502
ACTIVITY TOTAL:	0	8			
AIMD Lemoore, 44321 ACDU	0	3	AO	6801	
ACTIVITY TOTAL:	0	3			
RAIMD Memphis, 00639 TAR	0	1	AO	6801	
ACTIVITY TOTAL:	0	1			
AIMD Oceana, 60191 ACDU	0	10	AO	6801	
ACTIVITY TOTAL:	0	10			
AVORD/MTT Norfolk, 48764 ACDU	0	5	AO	6801	
ACTIVITY TOTAL:	0	5			
COMNAVAIRLANT, 57012 ACDU	0	2	AO	6801	
ACTIVITY TOTAL:	0	2			
CV-61 USS Ranger, 03361 ACDU	0	1	AO	6801	
ACTIVITY TOTAL:	0	1			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIGN RATING	PNEC/SNEC PMOS/SMOS
	OFF	ENL		
CV-62 USS Independence, 03362 ACDU	0	6	AO	6801
ACTIVITY TOTAL:	0	6		
CV-63 USS Kitty Hawk, 03363 ACDU	0	9	AO	6801
ACTIVITY TOTAL:	0	9		
CV-64 USS Constellation, 03364 ACDU	0	11	AO	6801
ACTIVITY TOTAL:	0	11		
CV-67 USS Kennedy, 03367 ACDU	0	12	AO	6801
ACTIVITY TOTAL:	0	12		
CVN-65 USS Enterprise, 03365 ACDU	0	11	AO	6801
ACTIVITY TOTAL:	0	11		
CVN-68 USS Nimitz, 03368 ACDU	0	11	AO	6801
ACTIVITY TOTAL:	0	11		
CVN-69 USS Eisenhower, 03369 ACDU	0	7	AO	6801
ACTIVITY TOTAL:	0	7		
CVN-70 USS Vinson, 20993 ACDU	0	11	AO	6801
ACTIVITY TOTAL:	0	11		
CVN-71 USS Roosevelt, 21247 ACDU	0	11	AO	6801
ACTIVITY TOTAL:	0	11		
CVN-72 USS Lincoln, 21297 ACDU	0	11	AO	6801
ACTIVITY TOTAL:	0	11		

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIGN RATING	PNEC/SNEC PMOS/SMOS
	OFF	ENL		
CVN-73 USS Washington, 21412 ACDU	0	11	AO	6801
ACTIVITY TOTAL:	0	11		
CVN-74 USS Stennis, 21847 ACDU	0	11	AO	6801
ACTIVITY TOTAL:	0	11		
CVN-75 USS Truman, 21853 ACDU	0	11	AO	6801
ACTIVITY TOTAL:	0	11		
LHA-1 USS Tarawa, 20550 ACDU	0	2	AO	6801
ACTIVITY TOTAL:	0	2		
LHA-2 USS Saipan, 20632 ACDU	0	2	AO	6801
ACTIVITY TOTAL:	0	2		
LHA-3 USS Belleau Wood, 20633 ACDU	0	2	AO	6801
ACTIVITY TOTAL:	0	2		
LHA-4 USS Nassau, 20725 ACDU	0	2	AO	6801
ACTIVITY TOTAL:	0	2		
LHA-5 USS Peleliu, 20748 ACDU	0	2	AO	6801
ACTIVITY TOTAL:	0	2		
LPH-10 USS Tripoli, 07198 ACDU	0	2	AO	6801
ACTIVITY TOTAL:	0	2		
LPH-11 USS New Orleans, 07202 ACDU	0	2	AO	6801
ACTIVITY TOTAL:	0	2		

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIGN RATING	PNEC/SNEC	
	OFF	ENL		PMOS/SMOS	
LPH-7 USS Guadalcanal, 07352 ACDU	0	2	AO	6801	
ACTIVITY TOTAL:	0	2			
LPH-9 USS Guam, 07178 ACDU	0	2	AO	6801	
ACTIVITY TOTAL:	0	2			
NAVAIRWP-MAINTUN, 52821 ACDU	0	23	AO	6801	
ACTIVITY TOTAL:	0	23			
NAWCAD Patuxent River, 00421 ACDU	0	2	AO	6801	
	0	2	AO	6801	8345
ACTIVITY TOTAL:	0	4			
NAWCWD Point Mugu, 63126 ACDU	0	1	AO	6801	
ACTIVITY TOTAL:	0	1			
NAWS Point Mugu, 63126 ACDU	0	7	AO	6801	
	0	1	AO	6801	8342
ACTIVITY TOTAL:	0	8			

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

DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY97		FY98		FY99		FY00		FY01	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
FLEET SUPPORT ACTIVITY - ACDU													
AO	6801	0	242	0	0	0	0	0	0	0	0	0	0
AO	6801 8342	0	1	0	0	0	0	0	0	0	0	0	0
AO	6801 8345	0	2	0	0	0	0	0	0	0	0	0	0
AO	6801 9502	0	1	0	0	0	0	0	0	0	0	0	0
AO	6810 6801	0	1	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - TAR													
AO	6801	0	1	0	0	0	0	0	0	0	0	0	0
SUMMARY TOTAL:													
FLEET SUPPORT ACTIVITY - ACDU													
		0	247	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - TAR													
		0	1	0	0	0	0	0	0	0	0	0	0
GRAND TOTAL:													
		0	248	0	0	0	0	0	0	0	0	0	0

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

SOURCE:

DATE: 6/1/96

ACTIVITY, UIC	PFYs	CFY97	FY98	FY99	FY00	FY01
CV-67 USS Kennedy, 03367	0	0	1	0	0	0
LPH-11 USS New Orleans, 07202	0	0	1	0	0	0
LPH-9 USS Guam, 07178	0	1	0	0	0	0
TOTAL:	0	1	2	0	0	0

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

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

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

DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY97		FY98		FY99		FY00		FY01	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL

FLEET SUPPORT ACTIVITY - ACDU													
AO	6801	0	0	0	2	0	14	0	0	0	0	0	0

SUMMARY TOTAL:

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

GRAND TOTAL:

- ACDU													
		0	0	0	2	0	14	0	0	0	0	0	0

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

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

DESIGN RATING	PNEC/SNEC PMOS/SMOS		PFYs		CFY97		FY98		FY99		FY00		FY01	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
ACDU AO	6801	9502	0	1	0	1	0	1	0	1	0	1	0	1

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

DESIGN RATING	PNEC/SNEC PMOS/SMOS		PFYs		CFY97		FY98		FY99		FY00		FY01	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
ACDU AO	6801	9502	0	6	0	6	0	6	0	6	0	6	0	6
SELRES AO	6801	9502	0	2	0	2	0	2	0	2	0	2	0	2

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

DESIGN RATING	PNEC/SNEC PMOS/SMOS		PFYs		CFY97		FY98		FY99		FY00		FY01	
			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

II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs		CFY97		FY98		FY99		FY00		FY01	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU-4030 NAMTRAGRU DET, NS Mayport, 66069	NAVY	0	1	0	1	0	1	0	1	0	1	0	1
MTU-4032 NAMTRAGRU DET, NAS Norfolk, 66046	NAVY	0	5	0	5	0	5	0	5	0	5	0	5
MTU-4033 NAMTRAGRU DET, NAS North Island, 66065	NAVY	0	4	0	4	0	4	0	4	0	4	0	4
SUMMARY TOTAL:													
	NAVY	0	10	0	10	0	10	0	10	0	10	0	10
GRAND TOTAL:													
		0	10	0	10	0	10	0	10	0	10	0	10

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESG			BILLET	CFY97		FY98		FY99		FY00		FY01	
RTNG	PNEC/SNEC		BASE	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
b. ENLISTED - USN													
Fleet Support Billets ACDU and TAR													
AO	6810	6801	1	0	1	0	1	0	1	0	1	0	1
AO	6801		259	-2	257	-14	243	0	243	0	243	0	243
AO	6801	8342	1	0	1	0	1	0	1	0	1	0	1
AO	6801	8345	2	0	2	0	2	0	2	0	2	0	2
AO	6801	9502	1	0	1	0	1	0	1	0	1	0	1
Instructor and Support (Staff) Billets ACDU and TAR													
AO	6801	9502	11	0	11	0	11	0	11	0	11	0	11
Chargeable Student Billets ACDU and TAR													
			10	0	10	0	10	0	10	0	10	0	10
TOTAL USN ENLISTED BILLETS													
Fleet Support			264	-2	262	-14	248	0	248	0	248	0	248
Staff			11	0	11	0	11	0	11	0	11	0	11
Student			10	0	10	0	10	0	10	0	10	0	10

II.B. PERSONNEL REQUIREMENTS

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

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

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY97		FY98		FY99		FY00		FY01	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU-4030 NAMTRAGRU DET												
	NAVY	ACDU	0	9	0	8	0	8	0	9	0	8
		TAR	0	1	0	0	0	0	0	1	0	0
		TOTAL:	0	10	0	8	0	8	0	10	0	8

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

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY97		FY98		FY99		FY00		FY01	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU-4032 NAMTRAGRU DET												
	NAVY	ACDU	0	46	0	47	0	47	0	46	0	47
		TAR	0	1	0	0	0	1	0	1	0	1
		TOTAL:	0	47	0	47	0	48	0	47	0	48

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

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY97		FY98		FY99		FY00		FY01	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU-4033 NAMTRAGRU DET												
	NAVY	ACDU	0	41	0	41	0	41	0	41	0	41
		TOTAL:	0	41	0	41	0	41	0	41	0	41

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY97		FY98		FY99		FY00		FY01	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL

ACTIVITY TOTAL:

MTU-4030	NAMTRAGRU	DET	0	10	0	8	0	8	0	10	0	8
MTU-4032	NAMTRAGRU	DET	0	47	0	47	0	48	0	47	0	48
MTU-4033	NAMTRAGRU	DET	0	41	0	41	0	41	0	41	0	41

PART III - TRAINING REQUIREMENTS

III.A. TRAINING COURSE AND TRAINING INPUT REQUIREMENTS

III.A.1. INITIAL TRAINING REQUIREMENTS

All initial training has been completed. No further initial training is planned.

III.A.2.a. EXISTING COURSES

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

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

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

CFY97		FY98		FY99		FY00		FY01		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	10	0	8	0	8	0	10	0	8	ATIR
0	9	0	7	0	7	0	9	0	7	Output
0.0	1.0	0.0	0.8	0.0	0.8	0.0	1.0	0.0	0.8	AOB
0.0	1.0	0.0	0.8	0.0	0.8	0.0	1.0	0.0	0.8	Chargeable

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

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

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

CFY97		FY98		FY99		FY00		FY01		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	47	0	47	0	47	0	46	0	47	ATIR
0	42	0	42	0	42	0	41	0	42	Output
0.0	4.9	0.0	4.9	0.0	4.9	0.0	4.8	0.0	4.9	AOB
0.0	4.9	0.0	4.9	0.0	4.9	0.0	4.8	0.0	4.9	Chargeable

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

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

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

CFY97		FY98		FY99		FY00		FY01		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	41	0	41	0	41	0	41	0	41	ATIR
0	37	0	37	0	37	0	37	0	37	Output
0.0	4.3	0.0	4.3	0.0	4.3	0.0	4.3	0.0	4.3	AOB
0.0	4.3	0.0	4.3	0.0	4.3	0.0	4.3	0.0	4.3	Chargeable

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

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

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

IV.B.1 Training Services

IV.C Facility Requirements

IV.A.2. TRAINING DEVICES

DEVICE: Captive Air Training Missile, CATM

DESCRIPTION OF DEVICE: The CATM-54 is an inert, captive flight training missile permitting realistic exercise of the Phoenix Missile. 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: VF-101
LOCATION, UIC : NAS Oceana 09067

QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
8			On board	D-2A-1601 D-2A-1602 D-2A-1603 D-2A-1604 D-2A-1605 D-2A-1631 D-2A-1634 D-2A-1637 D-2A-1640 D-2D-1601 D-2D-1602 D-2D-1603 D-2D-1604 D-2D-1631 D-2D-1634 D-2D-1637 D-2D-1640

TRAINING ACTIVITY: NAVSCOLEOD
LOCATION, UIC : NAVSURFWARZEN Indian Head 62640

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

IV.A.2. TRAINING DEVICES

DEVICE: Dummy Training Missile, DATM

DESCRIPTION OF DEVICE: The DATM-54 is physically representative of the Phoenix Missile. 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: MTU 1007 NAMTRAGRU DET
LOCATION, UIC : NAS Oceana 66045

QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1			On board	C-646-9962 C-646-9963 C-646-9906

TRAINING ACTIVITY: SWATSLANT
LOCATION, UIC : NAS Oceana 47157

QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
8			On board	D-646-1644

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

QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1			On board	C-122-3111

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

QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1			On board	C-122-3111

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

QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1			On board	C-122-3111

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: VF-101

LOCATION, UIC: NAS Oceana 09067

CIN, COURSE TITLE: D-2A-1601 F-14 Pilot Category 1
 D-2A-1602 F-14 Pilot Category 2
 D-2A-1603 F-14 Pilot Category 3
 D-2A-1604 F-14 Pilot Category 4
 D-2A-1605 F-14 Pilot IUT Category 5
 D-2A-1631 F-14D Category 1 Replacement Pilot
 D-2A-1634 F-14D Category 2 Replacement Pilot
 D-2A-1637 F-14D Category 3 Replacement Pilot
 D-2A-1640 F-14D Category 4 Replacement Pilot
 D-2D-1601 F-14 Naval Flight Officer Category 1
 D-2D-1602 F-14 Naval Flight Officer Category 2
 D-2D-1603 F-14 Naval Flight Officer Category 3
 D-2D-1604 F-14 Naval Flight Officer Category 4
 D-2D-1631 F-14D Naval Flight Officer Category 1
 D-2D-1634 F-14D Naval Flight Officer Category 2
 D-2D-1637 F-14D Naval Flight Officer Category 3
 D-2D-1640 F-14D Naval Flight Officer Category 4

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
Phoenix Missile Source Data	1 Set		On board

TRAINING ACTIVITY: MTU 1007 NAMTRAGRU DET

LOCATION, UIC: NAS Oceana 66045

CIN, COURSE TITLE: C-646-9962 F-14A/B Armament Systems Organizational Maintenance (Initial)
 C-646-9963 F-14A/B Armament Systems Organizational Maintenance (Career)
 C-646-9906 F-14D Armament Systems Organizational Maintenance

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
Phoenix Missile Source Data	1 Set		On board

TRAINING ACTIVITY: SWATSLANT

LOCATION, UIC: NAS Oceana 47157

CIN, COURSE TITLE: D-646-1644 F-14A/B Conventional Weapons Loading

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
Phoenix Missile Source Data	1 Set		On board

TRAINING ACTIVITY: MTU 4030 NAMTRAGRU DET

LOCATION, UIC: NS Mayport 66069

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

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
Phoenix Missile Source Data	1 Set		On board

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

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

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
Phoenix Missile 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

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
Phoenix Missile Source Data	1 Set		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

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
Phoenix Missile 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
Phoenix Missile 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
Phoenix Missile Source Data	1 Set		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: VF-101

LOCATION, UIC: NAS Oceana 09067

CIN, COURSE TITLE: D-2A-1601 F-14 Pilot Category 1
 D-2A-1602 F-14 Pilot Category 2
 D-2A-1603 F-14 Pilot Category 3
 D-2A-1604 F-14 Pilot Category 4
 D-2A-1605 F-14 Pilot IUT Category 5
 D-2A-1631 F-14D Category 1 Replacement Pilot
 D-2A-1634 F-14D Category 2 Replacement Pilot
 D-2A-1637 F-14D Category 3 Replacement Pilot
 D-2A-1640 F-14D Category 4 Replacement Pilot
 D-2D-1601 F-14 Naval Flight Officer Category 1
 D-2D-1602 F-14 Naval Flight Officer Category 2
 D-2D-1603 F-14 Naval Flight Officer Category 3
 D-2D-1604 F-14 Naval Flight Officer Category 4
 D-2D-1631 F-14D Naval Flight Officer Category 1
 D-2D-1634 F-14D Naval Flight Officer Category 2
 D-2D-1637 F-14D Naval Flight Officer Category 3
 D-2D-1640 F-14D Naval Flight Officer Category 4

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
NATOPS NA 01-F14AAA-1	Hard copy	6		On board
Tactical Manual NA 01-F14AAA-1.1T	Hard copy	6		On board

TRAINING ACTIVITY: MTU 1007 NAMTRAGRU DET

LOCATION, UIC: NAS Oceana 66045

CIN, COURSE TITLE: C-646-9962 F-14A/B Armament Systems Organizational Maintenance (Initial)
 C-646-9963 F-14A/B Armament Systems Organizational Maintenance (Career)
 C-646-9906 F-14D Armament Systems Organizational Maintenance

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Airborne Weapons Stores/Loading Manual NA 01-F14AAA-75	Hard copy	8		On board
Aircraft, Release and Control (Missile), Conventional Weapons Checklist NA 01-F14AAA-75-1A2	Hard copy	8		On board
AIM-54 (Phoenix) Checklist NA 01-F14AAA-75-34	Hard copy	8		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: SWATSLANT

LOCATION, UIC: NAS Oceana 47157

CIN, COURSE TITLE: D-646-1644 F-14A/B Conventional Weapons Loading

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Airborne Weapons Stores/Loading Manual NA 01-F14AAA-75	Hard copy	10		On board
Aircraft, Release and Control (Missile), Conventional Weapons Checklist NA 01-F14AAA-75-1A2	Hard copy	10		On board
AIM-54 (Phoenix) Checklist NA 01-F14AAA-75-35	Hard copy	10		On board
Conventional Weapons Checklist F-14/A/B Arm and De-Arm NA 01-F14AAA-75-40	Hard copy	10		On board

TRAINING ACTIVITY: MTU 4030 NAMTRAGRU DET

LOCATION, UIC: NS Mayport 66069

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

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
CV/NAS Intermediate Missile Handling & Maintenance Instructions, AIM-54A/C/ECCM/Sealed NA 01-AIM54-2-3	Hard copy	8		On board
Guided Missile AIM-54 Phoenix Ship Weapons Installation Manual NA 11-120-26	Hard copy	8		On board
Naval Airborne Weapons Maintenance Program (NAWMP) OPNAVINST 8600.2B	Hard copy	8		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

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
CV/NAS Intermediate Missile Handling & Maintenance Instructions, AIM-54A/C/ECCM/Sealed NA 01-AIM54-2-3	Hard copy	8		On board
Guided Missile AIM-54 Phoenix Ship Weapons Installation Manual NA 11-120-26	Hard copy	8		On board

IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Naval Airborne Weapons Maintenance Program (NAWMP) OPNAVINST 8600.2B	Hard copy	8		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

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
CV/NAS Intermediate Missile Handling & Maintenance Instructions, AIM-54A/C/ECCM/Sealed NA 01-AIM54-2-3	Hard copy	8		On board
Guided Missile AIM-54 Phoenix Ship Weapons Installation Manual NA 11-120-26	Hard copy	8		On board
Naval Airborne Weapons Maintenance Program (NAWMP) OPNAVINST 8600.2B	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

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

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

PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
TSA	Commence initial training	1982	Completed
TSA	DT/OT Training	Aug 1983	Completed
		Jun 1985	Completed
PDA	Initial operating capability		
	AIM-54A	1974	Completed
	AIM-54C	1986	Completed
	AIM-54C/ECCM Sealed Missile	1988	Completed
	Material support date		
	AIM-54A	Apr 1975	Completed
	AIM-54C	Aug 1986	Completed
	AIM-54C/ECCM Sealed Missile	Aug 1986	Completed
	Navy support date		
	AIM-54A	May 1977	Completed
	AIM-54C	Mar 1988	Completed
	AIM-54C/ECCM Sealed Missile	Mar 1988	Completed
PMA259	Phoenix Missile final production commences	Oct 1989	Completed
TSA	Training devices delivered	FY91	Completed
TSA	Follow-on training	FY91	Completed
OPNAV	NTP A-50-8007 B/A approved	Sep 92	Completed
PMA205	Preliminary Draft NTSP	Jun 1997	Completed

PART VI - DECISION ITEMS/ACTION REQUIRED

DECISION ITEM OR ACTION REQUIRED	COMMAND ACTION	DUE DATE	STATUS
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No pending actions or decisions at this time.

PART VII - POINTS OF CONTACT

NAME, ACTIVITY, CODE	FUNCTION	TELEPHONE NUMBERS COMMERCIAL, DSN, FAX INTERNET ADDRESS
CDR J. O. Stutz CNO N880C7A	Program/Resource Sponsor	(703) 695-1841, DSN 225
CAPT F. J. Smith CNO N889H	Head, Aviation Technical Training	(703) 604-7730, DSN 664
MSGT Anderson CNO N889H2A	NTSP Manager	(703) 604-7722, DSN 664
CAPT MacKenzie NAVAIRSYSCOM PMA259	Program Manager	(703) 604-2100, DSN 664
Mr. E. Wallace NAWCWD PT MUGU 311200E	Assistant Program Manager, Logistics	(805) 484-6335, DSN 351
Mr. W. Long NAVAIRSYSCOM PMA205-3F	Assistant Program Mgr. Training System, Weapons	(301) 757-8104, DSN 757
CDR E. Hawkins CINCLANTFLT N721	Aviation NTSP Manager	(757) 322-0101, DSN 565
LT Takamnya CINCPACFLT N-321	Fleet Training and Readiness	(808) 471-6965, DSN 474
LCDR Langlais CNET T-2512	AV/ORD Training	(904) 452-8911, DSN 922
AOCM T. Carroll NAMTRAGRUHQ N2412	ALW Technical Coordinator	(904) 452-9787 ext. 252, DSN 922
AO1 Saintamour BUPERS PERS-404CR3	Aviation Personnel	(703) 614-8365, DSN 224
Mr. A. Sargent NAVMAC 33	Aviation Manpower Manager	(901) 874-5984, DSN 882

PART VII - POINTS OF CONTACT

NAME, ACTIVITY, CODE	FUNCTION	TELEPHONE NUMBERS COMMERCIAL, DSN, FAX INTERNET ADDRESS
AOCS H. Daniel COMNAVAIRESFOR N85	Reserve Type Commander	(504) 678-6844, DSN 678
AOCS Ward BMC Sharp NAVSCOLEOD CISO	EOD Training	(301) 743-4341/4763 DSN 354
Mr. L. Hill Letterkenny	AIM-54 Missile Section	(717) 267-9474, DSN 570
Mr. Phil Szczyglowski NAVAIRSYSCOM 3.4.1	Competency Manager	(301) 757-9182, DSN 757 (301) 342-4723 szczyglowski_phil%pax8b@mr.nawcad.navy.mil
AVCM R. Lovern NAVAIRSYSCOM 3.4.1	NTSP Manager	(301) 757-9183, DSN 757 (301) 342-4723 lovern_roger%pax8b@mr.nawcad.navy.mil
ATCS(AW) Dell Butler NAVAIRSYSCOM 3.4.1	NTSP Coordinator	(301) 757-9188, DSN 757 (301) 342-4723 butler_dell%pax8b@mr.nawcad.navy.mil