

**NAVY TRAINING SYSTEM PLAN  
FOR THE  
MH-53E HELICOPTER**

**N88-NTSP-A-50-8417D/A**

**FEBRUARY 2001**

## **MH-53E HELICOPTER**

### **EXECUTIVE SUMMARY**

The MH-53E Sea Dragon Helicopter's primary role is Airborne Mine Countermeasures (AMCM) missions, which include hunting, neutralizing, and destroying mines. Other duties include ancillary spotting, channel marking, and surface towing of small craft and ships. The MH-53E Helicopter is also capable of Vertical Onboard Delivery missions, as well as transportation of personnel and cargo. Initial Operating Capability was attained in FY87 upon delivery of the first MH-53E Helicopter to the fleet. All MH-53E Helicopter deliveries to the Navy have been completed. The MH-53E program is in Phase III (Production, Deployment, and Operational Support) of the Weapon System Acquisition Process.

The Navy has two MH-53E squadrons, Helicopter Mine Countermeasure Squadrons HM-14 and HM-15, consisting of both active duty and Naval Reserve aircraft. These integrated squadrons each contain ten aircraft; six active duty and four reserve. A third activity, HC-4, has nine MH-53E Helicopters; however, the aircraft are not configured for AMCM missions, and are used primarily in fleet support roles.

Several modifications to the MH-53E Helicopter are planned over the next few years. These modifications include upgrading to the T64-GE-419 engine, upgrading to the MAGR 2000 Global Positioning System (GPS), an Engineering Change Proposal to the main gearbox, and other minor Airframe Change modifications to the helicopter.

Maintenance concepts for the MH-53E Helicopter are based on the Naval Aviation Maintenance Program, OPNAVINST 4790.2 series, which details the three levels of maintenance concept. Personnel from various aviation maintenance ratings with applicable Navy Enlisted Classifications perform organizational and intermediate level maintenance. Depot level maintenance is accomplished by Naval Aviation Depot, Cherry Point, North Carolina.

Activity Manpower Documents reflect the billet structure of integrated squadrons having both active duty and reserve billets. The currently planned modifications to the MH-53E Helicopter will not cause any quantitative changes in manpower requirements.

All MH-53E Helicopter Pilots receive ground training and aircraft familiarization using simulators at Airborne Mine Countermeasures Weapon Systems Training School (AWSTS), Norfolk, Virginia. Basic MH-53E Pilot and Aircrew flight training is conducted at HMT-302, Marine Corps Air Station New River, North Carolina. Flight crews destined for AMCM activities receive further mission and tactics training at AWSTS, while MH-53E fleet support Pilots and Aircrew proceed directly to HC-4, Sigonella, Sicily. Organizational level maintenance training is conducted at Maintenance Training Unit (MTU) 1031, Naval Air Maintenance Training Unit, Norfolk, Virginia. Active duty and Training and Administration of the Naval Reserve personnel train at HMT-302, AWSTS, and MTU 1031. Selected Reserve personnel receive operator and maintenance training via On-the-Job Training or by attending the appropriate courses conducted by HMT-302, AWSTS, and MTU 1031.

**MH-53E HELICOPTER**

**TABLE OF CONTENTS**

	<b>Page</b>
Executive Summary.....	i
List of Acronyms.....	iii
Preface.....	vi
<b>PART I - TECHNICAL PROGRAM DATA</b>	
A. Nomenclature-Title-Program .....	I-1
B. Security Classification .....	I-1
C. Manpower, Personnel, and Training Principals.....	I-1
D. System Description.....	I-1
E. Developmental Test and Operational Test.....	I-2
F. Aircraft and/or Equipment/System/Subsystem Replaced .....	I-2
G. Description of New Development.....	I-3
H. Concepts .....	I-8
I. Onboard (In-Service) Training.....	I-55
J. Logistics Support .....	I-57
K. Schedules .....	I-58
L. Government-Furnished Equipment and Contractor-Furnished Equipment Training Requirements.....	I-59
M. Related NTSPs and Other Applicable Documents .....	I-59
<b>PART II - BILLET AND PERSONNEL REQUIREMENTS .....</b>	<b>II-1</b>
<b>PART III - TRAINING REQUIREMENTS.....</b>	<b>III-1</b>
<b>PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS.....</b>	<b>IV-1</b>
<b>PART V - MPT MILESTONES.....</b>	<b>V-1</b>
<b>PART VI - DECISION ITEMS/ACTION REQUIRED .....</b>	<b>VI-1</b>
<b>PART VII - POINTS OF CONTACT .....</b>	<b>VII-1</b>

**MH-53E HELICOPTER**

**LIST OF ACRONYMS**

ACDU	Active Duty
AD	Aviation Machinist's Mate
AE	Aviation Electrician's Mate
AFC	Airframe Change
AFCS	Automatic Flight Control System
AIMD	Aircraft Intermediate Maintenance Department
ALMDS	Airborne Laser Mine Detection System
AMCM	Airborne Mine Countermeasures
AME	Aviation Structural Mechanic (Safety Equipment)
AMH	Aviation Structural Mechanic (Hydraulics)
AMNSYS	Airborne Mine Neutralization System
AMS	Aviation Structural Mechanic (Structures)
AMTCS	Aviation Maintenance Training Continuum System
AO	Aviation Ordnanceman
AS	Aviation Support Equipment Technician
ASE	Aircraft Survivability Equipment
ASPA	Aircraft Service Period Adjustment
AT	Aviation Electronics Technician
AWSTS	AMCM Weapon Systems Training School
CBT	Computer-Based Training
CIN	Course Identification Number
CINCLANTFLT	Commander In Chief, Atlantic Fleet
CINCPACFLT	Commander In Chief, Pacific Fleet
CNET	Commander Naval Education and Training
CNI	Communication-Navigation-Identification
CNO	Chief of Naval Operations
COMNAVAIRESFOR	Commander Naval Air Reserve Forces
ECP	Engineering Change Proposal
EMCI	Enhanced Material Condition Inspection
ECCM	Electronic Counter Countermeasures
FMS	Foreign Military Sales
FRAC	Fleet Replacement Aircrew
FRP	Fleet Replacement Pilot
FY	Fiscal Year

**MH-53E HELICOPTER**

**LIST OF ACRONYMS**

GPS	Global Positioning System
HC	Helicopter Combat Support Squadron
HM	Helicopter Mine Countermeasures Squadron
HMT	Marine Helicopter Training Squadron
ILS	Instrument Landing System
ILSP	Integrated Logistics Support Plan
IMC	Integrated Maintenance Concept
MALS	Marine Aviation Logistics Squadron
MATMEP	Maintenance Training Management and Evaluation Program
MCAS	Marine Corps Air Station
MMF	Mobile Maintenance Facility
MSD	Material Support Date
MTIP	Maintenance Training Improvement Program
MTU	Maintenance Training Unit
NA	Not Applicable
NAMP	Naval Aviation Maintenance Program
NAMTRAU	Naval Air Maintenance Training Unit
NAS	Naval Air Station
NATOPS	Naval Air Training and Operating Procedures Standardization
NATTIC	Naval Air Technical Training Center
NAVAIRSYSCOM	Naval Air Systems Command
NAVAVNDEPOT	Naval Aviation Depot
NAVPERSCOM	Naval Personnel Command
NB	Naval Base
NEC	Navy Enlisted Classification
NSD	Navy Support Date
NTSP	Navy Training System Plan
NVG	Night Vision Goggles
OFT	Operational Flight Trainer
OPO	OPNAV Principal Official
OSP	Operation Service Period
PM	Preventive Maintenance

**MH-53E HELICOPTER**

**LIST OF ACRONYMS**

PMA	Program Manager, Air
PNS	Precise Navigation System
POE	Projected Operational Environment
PR	Aircrew Survival Equipmentman
RCM	Reliability Centered Maintenance
RFI	Ready For Issue
RFT	Ready For Training
ROC	Required Operational Capability
SDLM	Standard Depot Level Maintenance
SELRES	Selected Reserve
SRA	Shop Replaceable Assembly
STEP	Service Tour Extension Process
TACAN	Tactical Air Navigation
TAR	Training and Administration of the Naval Reserve
TD	Training Device
TS	Test Set
TTE	Technical Training Equipment
UHF	Ultra High Frequency
VHF	Very High Frequency
VOD	Vertical Onboard Delivery
VOR	Very High Frequency Omni Directional Radio
WRA	Weapon Replaceable Assembly

**MH-53E HELICOPTER**

**PREFACE**

This Approved Navy Training System Plan (NTSP) for the MH-53E Helicopter has been prepared to update the Draft MH-53E Helicopter Navy Training Plan, (NTSP-A-50-8417D/D), dated July 2000. This NTSP reflects the latest information on the MH-53E Program and complies with guidelines set forth in the Navy Training Requirements Documentation Manual, OPNAV Publication P-751-1-9-97. It incorporates comments received on the July 2000 Draft version.

This NTSP contains current manpower requirements, training requirements, and points of contact to support the MH-53E program. This NTSP addresses the Integrated Maintenance Concept (IMC) as the new methodology of aircraft maintenance and the proposed Permanent and Field Team Support IMC sites for the MH-53E aircraft. Specifically, this includes several modifications to the MH-53E Helicopter, such as upgrade to the T64-GE-419 engine, an Engineering Change Proposal to the main gearbox, and other minor Airframe Change modifications.

## PART I - TECHNICAL PROGRAM DATA

### A. TITLE-NOMENCLATURE-PROGRAM

1. **Title-Nomenclature-Acronym.** MH-53E Helicopter
2. **Program Element.** 24453N

### B. SECURITY CLASSIFICATION

1. **System Characteristics** ..... Unclassified
2. **Capabilities** ..... Classified
3. **Functions** ..... Unclassified

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

OPNAV Principal Official (OPO) Program Sponsor.....	CNO (N780H)
OPO Resource Sponsor.....	CNO (N781B)
Developing Agency.....	NAVAIRSYSCOM (PMA261)
Training Agency .....	CINCLANTFLT CINCPACFLT COMNAVRESFOR CNET
Training Support Agency .....	NAVAIRSYSCOM (PMA205) NAVSEASYSCOM (PMS210, AMCM Equipment) COMNAVAIRESFOR
Manpower and Personnel Mission Sponsor .....	CNO (N12) NAVPERSCOM (PERS-4, PERS-404)
Director of Naval Training .....	CNO (N7)
Commander, Reserve Program Manager.....	COMNAVAIRESFOR (N32)

### D. SYSTEM DESCRIPTION

1. **Operational Uses.** The MH-53E Sea Dragon Helicopter is employed by Navy squadrons as the primary aircraft platform for performing Airborne Mine Countermeasures

(AMCM) missions. This includes mine sweeping and ancillary spotting, mine neutralization, floating mine destruction, channel marking, and surface towing of small craft and ships. The MH-53E Helicopter also has the ability to perform Vertical Onboard Delivery (VOD) missions as well as transportation of personnel and cargo.

A new type of Navy squadron was developed by combining active duty squadrons with Naval Reserve squadrons resulting in two integrated Helicopter Mine Countermeasures Squadrons (HM), each comprised of six active duty and four reserve MH-53E Aircraft.

- HM-14, Naval Base (NB) Norfolk, Virginia
- HM-15, Naval Air Station (NAS) Corpus Christi, Texas

Helicopter Combat Support Squadron (HC)-4 in Sigonella, Sicily, transitioned from CH-53E to MH-53Es in April 1995. The mission of HC-4 was not affected by this transition; their assigned MH-53Es are not configured for AMCM missions.

**2. Foreign Military Sales.** The MH-53E Helicopter was procured by Japan directly from Sikorsky Aircraft Corporation. The Navy provides support for the procured aircraft. Contact H-53 Foreign Military Sales (FMS), Program Manager, Air (PMA) 226-0121, Cherry Point, for additional information.

**E. DEVELOPMENTAL TEST AND OPERATIONAL TEST.** Technical Evaluation (TECHEVAL) was conducted from July to November 1985 at the Naval Air Test Center, now the Naval Air Warfare Center Aircraft Division (NAWCAD), Patuxent River, Maryland. Operational Evaluation (OPEVAL) was conducted by Commander, Operational Test and Evaluation Force from January through April 1986. Follow-On Test and Evaluation was conducted from October to November 1987, in December 1987, from July to September 1988, and from February to March 1990.

**F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED.** The MH-53E Helicopter replaced the RH-53D in the fleet and fleet reserve squadrons. In HC-4, the MH-53E replaced the CH-53E. The following systems in the MH-53E Helicopter are currently being replaced:

NEW SYSTEM	OLD SYSTEM
R-2606/U Global Positioning System (GPS)	AN/ARN-151 Global Positioning System (GPS)
T64-GE-419 Engine	T64-GE-416 Engine
AN/ARC-210(V) Radio System	AN/ARC-182(V) Radio Set
AN/ARC-220(V)1 Radio System	AN/ARC-174(V) Radio System

## **G. DESCRIPTION OF NEW DEVELOPMENT**

**1. Functional Description.** The MH-53E Helicopter is a CH-53E modified to perform AMCM missions. The modifications include:

- Enlarged sponsons
- Rear escape hatches
- Improved tail rotor system
- Airframe structural reinforcement
- 30,000-pound tension tow boom
- 90-degree stub ramp
- Winch control system
- AN/APN-217(V)2 Doppler Radar
- A second AN/APN-171(V) Radar Altimeter
- Improved mirrors
- Equipment stowage box
- Mk-104 davit hardpoints
- Egress lighting
- Guillotine, tension, and skew system
- Tow hook release system
- Transfer hook and control system
- Smoke marker rack
- XM-218.50 caliber machine gun.

Specialized VOD equipment includes a crew stowage box and single point hook support. An interim GPS has been installed by integrating the AN/ARN-151 receiver with the Precise Navigation System (PNS).

Several changes are planned for the MH-53E Helicopter. The MH-53E will be modified with the new AN/ARC-210(V) Electronic Counter Countermeasures (ECCM) Radio System, the new T64-GE-419 engine, and an Engineering Change Proposal (ECP) to the main gearbox. The Airframes Changes (AFC) to the MH-53E include swashplate duplex bearing and tail rotor drive shaft disconnect coupling monitor (AFC 500), exterior lights for use with Night Vision Goggles (NVGs) (AFC 479 Part 4), and #2 engine thermal fire detector for the engine (AFC 440). The MH-53E major systems are briefly described below including the major modifications.

### **a. Avionics**

**(1) Digital Automatic Flight Control System Coupler System.** A coupler system has been incorporated with modifications to the MH-53E Helicopter Digital Automatic Flight Control System (AFCS) computer. This provides longitudinal and lateral ground speed control, selected ground speed stabilization, and automatic altitude retention.

**(2) Navigation.** The AN/ARN-151 GPS is being replaced by the R-2606/U MAGR 2000 GPS, fully integrated with the aircraft navigation instruments and providing

non-precision approach capability. The AN/APN-217(V)2 Radar Navigation Set is a Doppler radar that measures aircraft ground speed and drift angle. It has the unique ability to perform accurately at low airspeeds over smooth water. Additional navigation systems aboard the MH-53E Helicopter include two AN/APN-171(V) Radar Altimeters, the AN/ARN-118(V) Tactical Air Navigation (TACAN), AN/ARN-89A Automatic Direction Finder, VIR-31A Very High Frequency Omni Directional Radio (VOR)/Instrument Landing System (ILS) navigation system, and vertical gyro system.

**(3) Communication.** The two AN/ARC-182(V) Radios provide direct securable communications in the Ultra High Frequency (UHF) and Very High Frequency (VHF) bands. When operated with a C-11984 Control Unit, the AN/ARC-182(V) provides a frequency hopping anti-jam capability in the UHF mode. Other communication systems aboard the MH-53E Helicopter include the AN/ARC-174A(V)2 High Frequency Radio, AN/APX-72 Identification Friend or Foe Transponder, KIT-1A/TSEC Computer Transponder, TSEC/KY-58 Secure Voice Data Set, and the AN/AIC-14A Intercom. The AN/ARC-182(V) Radio is being replaced by the AN/ARC-210(V) ECCM Radio System, and the AN/ARC-174 is being replaced by the AN/ARC-220 to provide a data-link capability. The AN/ARC-210(V) provides normal and secure communication in the Amplitude Modulation and Frequency Modulation modes in both UHF and VHF bands. It is compatible with the TSEC/KY-58, has frequency hopping jam-resistant capabilities, and is interoperable with other Air Force and Army radio systems.

**(4) Airborne Mine Countermeasures Navigation.** The PNS is a navigation system that has been integrated with the AN/ARN-151 Receiver (which was part of the AN/ARN-151 provisions installation). It is used for precise mine field navigation during AMCM missions. The interim GPS functions are assumed by the R-2606/U GPS when integrated into the MH-53E Helicopter.

**(5) Countermeasures Avionics.** The AN/ALE-39 Countermeasures Dispensing System is mounted either internally or externally and is designed to dispense chaff, infrared decoy flares, or expendable jammers.

## b. Airframe

**(1) Enlarged Sponsons.** The newly designed sponsons each contain two fuel tanks. This allows for a total fuel capacity of 3,200 gallons, which will increase both aircraft range and loiter time.

**(2) Enlarged Aft Escape Hatches.** Two enlarged window-type escape hatches in the aft cabin area permit easier egress for aircrew in an emergency situation.

**(3) Single Point Suspension System Stowage.** An A-frame suspension system is stowed in the forward position.

**(4) Tow Boom.** The Tow Boom is a fixed length four-inch diameter composite tubing that increases towing capacity. The boom has 32 degrees of movement in the

pitch plane, and can yaw about the vertical axis to either side of the cabin. The forward end of the boom is set in sleeve bearings to allow operating motion for a load cell that monitors tow loads.

**c. Power Plants.** The power for the MH-53E Helicopter is currently furnished by three T64-GE-416 or -416A Engines. Upgraded engines are installed on 14 MH-53E Helicopters out of 44 aircraft in the fleet. This new engine, the T64-GE-419, increases engine performance and allows for contingency power during a One-Engine-Inoperative condition.

**d. Gearbox.** The Main Gearbox improvement program will provide greater reliability and an increased time between unscheduled removals. This redesign effort for fleet aircraft will be accomplished through an ECP.

**e. Hydraulics.** The MH-53E Helicopter has a modified CH-53E Hydraulic System consisting of an additional 3,000 pounds per square inch hydraulic supply system dedicated to AMCM.

**f. Fuel System.** In addition to the onboard fuel system, the MH-53E Helicopter has air-to-air and Helicopter-In-Flight Refueling (ship-to-air) pressure refueling systems, an inner tank fuel dump system, and a range extension fuel transfer system. The MH-53E Helicopter has enlarged fuel sponsons and uses a new fuel management system. There are three independent suction-pressure type fuel systems, one for each engine. The fuel systems are joined by a crossfeed system for maximum fuel utilization.

**g. Electrical System.** Due to the additional electronic equipment, the MH-53E Helicopter wiring system and circuit breaker panel have been redesigned.

**h. Flight Station Design.** The flight station design for the MH-53E Helicopter differs from the CH-53E in the gages, switches, and circuit breaker panels necessary for effective AMCM aircraft operations. Some modifications to the flight station layout will result from the Navigation and Communication System integration.

**i. Airborne Mine Countermeasures Equipment.** The MH-53E Helicopter is capable of using a variety of AMCM equipment described below. In addition, new AMCM equipment is currently in various stages of development. These include the AN/AQS-20 Sonar Detecting Set, Airborne Laser Mine Detection System (ALMDS), A/N37U-1 Mine Clearing Set for moored mines, and Airborne Mine Neutralization System (AMNSYS).

**(1) AN/SPU-1/W.** A single magnetized orange pipe mine sweeping system may be externally transported to and from the operating area by an appropriately configured MH-53E Helicopter. The MH-53E Helicopter is capable of towing a single unit or three units in tandem; however, streaming and recovering tandem units is accomplished from surface craft or shore ramp facilities.

**(2) Mk-103 Mod 2.** The Mk-103 Mod 2 is a mechanical mine sweeping system used for sweeping moored mines. This system is streamed, towed, and recovered by an appropriately configured MH-53E Helicopter. The system is a port and starboard diverted wire

sweep that is armed with cutters. The sweep wires are diverted by otters and supported by marker floats.

**(3) Mk-104 Mod 3.** The Mk-104 Mod 3 acoustic mine sweeping gear generates a sound field capable of actuating acoustic mines. The acoustic gear is designed to be streamed, towed, and recovered by appropriately configured MH-53E Helicopters.

**(4) Mk-105.** The Mk-105 is a magnetic influence sweep device. The MH-53E Helicopter is not capable of carrying this device; therefore, it is streamed from a surface vessel or shore site. The helicopter acquires the tow cable and aircrews make the electrical and mechanical connections necessary to begin towing operations. When the mission is completed, the tow cable is transferred to another helicopter or back to personnel either aboard a surface vessel or ashore.

**(5) Mk-106.** The Mk-106 is a combination of acoustic and magnetic sweep formed by attaching the Mk-104 to the Mk-105. General operating procedures are identical to the Mk-105 procedures.

**(6) AN/AQS-14.** The AN/AQS-14 Sonar Detecting Set is a high resolution, dual side-looking, mine-hunting sonar that is used for detection, classification, and marking of mines and other underwater objects. The sonar's transducers are housed in an underwater towed vehicle while the information processing and display equipment and controls are located in the helicopter. The sonar components are divided into three major groups; underwater towed vehicle, electro-mechanical tow cable, and airborne electronic assembly. The AN/AQS-14 is streamed, towed, and recovered by the MH-53E Helicopter.

**(7) AN/ALQ-141.** The AN/ALQ-141 Acoustic Mine Countermeasures equipment is capable of actuating acoustic mines. The AN/ALQ-141 is composed of the towed sonar vehicle, the electro-mechanical tow cable, and the MH-53E mounted electronic controls. The AN/ALQ-141 is capable of being streamed, towed, and recovered by an appropriately configured MH-53E Helicopter.

**(8) AN/AQS-20.** The AN/AQS-20 Sonar Detecting Set is a high-resolution sonar that provides the fleet with the operational capability to hunt mines from air and surface craft. The AN/AQS-20 system was initiated to develop a high-speed reconnaissance and mine hunting sonar capable of searching large volumes of the sea for mine-like objects with a high probability of detection and classification and low probability of false alarms. This information is used for mine avoidance and neutralization.

**(9) Airborne Laser Mine Detection System.** The ALMDS is an airborne electro-optical system that is capable of rapid detection, classification, and localization of floating and moored mines located in relatively shallow water. With input from GPS, accurate navigation data is provided to determine target location. Operation of the ALMDS consists of firing a pulsed laser into the water and imaging any objects within the illuminated sector using a gated camera system.

**(10) A/N37U-1 Mine Clearing Set, Moored Mines.** The A/N37U-1 system consists of sweepwires which deploy Mk-17 Mod 1 cutters to sever mine moorings; electro-mechanical depressors which "fly" submerged in the water to maintain predetermined sweep depth; electro-mechanical otters, which function like depressors, but also separate the port and starboard sweepwire sections in order to maintain the proper sweep width; and one or more sections of Kevlar tow wire, depending on the desired sweep depth.

**(11) Airborne Mine Neutralization System.** The AMNSYS is a helicopter-deployed system capable of identifying and neutralizing close tethered, bottom, and moored mines. The AMNSYS hardware is a collection of modular units designed to integrate with the MH-53E Helicopter using certain mission interface removable and related mission equipment.

**2. Physical Description.** The MH-53E Helicopter has retained approximately 80 percent of the CH-53E configuration. The physical changes include the larger fuel sponsons and auxiliary AMCM equipment. The following are the dimensions for the MH-53E Helicopter:

Length: Overall... 99 feet, 0.50 inch  
Folded ... 71 feet, 0.02 inch

Width: Overall... 25 feet  
Folded ... 18 feet, 6 inches

Rotor diameter..... 79 feet

Height: Overall... 28 feet, 4 inches  
Folded ... 18 feet, 7 inches

**3. New Development Introduction.** The MH-53E Helicopter is a new production aircraft first introduced to the fleet in Fiscal Year (FY) 87. New production aircraft were delivered to the Naval Air Reserve beginning in November 1993.

The T64-GE-419 engine, AN/ARC-210(V), R-2606/U GPS, and AN/ARC-220 are being retrofitted into the MH-53E by field modification teams or by the Naval Aviation Depot (NAVAVNDEPOT) Cherry Point, North Carolina, during scheduled Standard Depot Level Maintenance (SDLM). The minor changes to the MH-53E Helicopter will also be introduced into the fleet by field modification teams or during SDLM. The main gearbox ECP will be retrofitted on an attrition basis.

**4. Significant Interfaces.** Not Applicable (NA)

**5. New Features, Configurations, or Material.** NA

## H. CONCEPTS

**1. Operational Concept.** For AMCM missions, the MH-53E Helicopter is operated by a crew of seven consisting of pilot, copilot, safety observer, port and starboard AMCM equipment handlers, and port and starboard ramp operators.

The primary mission of HM-14 and HM-15 is minesweeping that is conducted independently or in conjunction with surface forces. Mine sweeping missions either use all squadron aircraft assets or deploy separate detachments, as stated in the Required Operational Capability and Projected Operational Environment (ROC/POE). Enlisted personnel from aviation maintenance ratings with Navy Enlisted Classifications (NECs) 8225 or 8226 perform aircrew duties. These squadrons also perform secondary missions such as transportation of passengers, equipment, and cargo, as well as VOD missions.

**2. Maintenance Concept.** The maintenance concept for the MH-53E is based on three levels of maintenance as stated in the Naval Aviation Maintenance Program Manual, OPNAVINST 4790.2 Series: organizational, intermediate, and depot. The MH-53E traditional maintenance concept is in the process of changing to a new methodology of aircraft maintenance. This new method is the IMC.

**a. Integrated Maintenance Concept.** IMC is achieved through the application of Reliability Centered Maintenance (RCM) principles that change the focus from a restoration maintenance program, i.e., Aircraft Service Period Adjustment (ASPA) and SDLM, to a prevention maintenance program. This concept will repack all MH-53E Preventive Maintenance (PM) tasks to integrate organizational, intermediate, and depot level maintenance to be performed on-site between deployments. Organizational activities will continue to perform PM while deployed. However, the bulk of the inspections and PM tasks will be performed in port by integrated maintenance teams. The IMC team may include a combination of organic and contractor maintenance personnel. Over a specific period of time, they will perform SDLM-like tasks on aircraft, but with more frequency than the current eight to 11 year SDLM cycle. IMC will require depot artisans to be permanently assigned to MH-53E home sites, while others will deploy as required to other home sites (see table below).

PERMANENT SITES	FIELD TEAM SUPPORT *
MCAS Miramar, California	Edwards AFB, California
MCAS New River, North Carolina	NAS Willow Grove, Pennsylvania
MCBH Kaneohe, Hawaii	NAS Patuxent River, Maryland
MCAS Futenma, Japan	NCSC Panama City, Florida
NAS Sigonella, Italy	NB Norfolk, Virginia

PERMANENT SITES	FIELD TEAM SUPPORT *
NAS Corpus Christi, Texas	MCAS Quantico, Virginia

\* Depot Field Team Support mechanics are sent out to MH-53E IMC sites.

The criteria for MH-53E helicopters entering IMC is that the aircraft must be in good material condition prior to acceptance, then IMC maintains that good material condition. During the transition from ASPA/SDLM/Maintenance Requirement Cards (MRC) to IMC, it is necessary to perform restoration maintenance on aircraft in poor material condition. This will be accomplished in the current SDLM program and the Service Tour Extension Process (STEP).

The STEP program is an in-service inspection and repair process that is designed to improve the material condition of the aircraft. The STEP requirement is focused on the restoration of the airframe structure, flight controls, fixed provisions, and wiring. It will also include an exterior paint condition assessment. The decision to strip and paint the aircraft will be made once the assessment is completed. Enhanced Material Condition Inspection (EMCI) is required for all aircraft undergoing STEP. The inspection will be used to gather data that will be analyzed to assess an Operation Service Period (OSP) for future STEP aircraft and will also support RCM analysis. The OSP of STEP aircraft is initially estimated to be six years but will be adjusted up or down depending on the results of the initial EMCI inspections.

**b. Organizational.** MH-53E Helicopter organizational level maintenance requirements are performed by the operating unit on a day-to-day basis in support of its own operation. These actions encompass inspections, servicing, handling, removing, and replacing Weapon Replaceable Assemblies (WRAs) and major aircraft components, and on-equipment corrective maintenance. Enlisted personnel from various aviation ratings with NECs 8303 or 8803 perform maintenance tasks.

**(1) Preventive Maintenance.** Preventive maintenance consists of periodic prescribed inspections and servicing of equipment accomplished on a phase, sortie, or hours of operation basis.

**(2) Corrective Maintenance.** MH-53E Helicopter organizational level maintenance personnel use Built-In Test (BIT) for primary fault isolation to a WRA. Faulty WRAs and components are removed and replaced using standard hand tools; some larger WRAs require the use of support equipment (i.e., engines and rotor blades). Faulty WRAs are forwarded to the Aircraft Intermediate Maintenance Department (AIMD) for repair. Organizational level maintenance personnel may also be authorized, in approved publications, to initiate repairs such as blending of minor nicks on airframe structures or rotor blades.

In accordance with the Naval Aviation Maintenance Program (NAMP), AMCM maintenance technicians assigned to MH-53E squadrons are authorized to perform limited intermediate level maintenance on AMCM equipment when the squadron or detachment is deployed.

HM-14 and HM-15 are assigned Mobile Maintenance Facilities (MMFs) to support detachments. These MMFs include limited avionics and airframe repair, maintenance, administration, and supply facilities.

**c. Intermediate.** MH-53E Helicopter intermediate maintenance actions performed in support of organizational activities by AIMD host activities include test, repair, and modification of aeronautical equipment; calibration of support equipment; and disposition of assets from stricken aircraft. Repair of faulty WRAs is accomplished using appropriate test equipment. Intermediate maintenance tasks are performed by enlisted personnel from various aviation maintenance ratings with NECs 8391, 8891, 6424, 7323, 7212, 7105, 7144, 7603, 7615, 6609, 6605, 7225, and 9527.

Designated first-degree engine repair intermediate maintenance sites are:

- AIMD Sigonella, Sicily
- AIMD Norfolk, Virginia
- Marine Aviation Logistics Squadron (MALS)-16 Miramar, California
- MALS-24 Kaneohe, Hawaii
- MALS-26 New River, North Carolina
- MALS-36, Futenma, Japan

The following table lists the intermediate level repair requirements by system.

#### **INTERMEDIATE LEVEL REPAIR REQUIREMENTS BY SYSTEM**

<b>SYSTEM</b>	<b>INTERMEDIATE MAINTENANCE REQUIREMENTS</b>
T64-GE-416 Engine	First degree repair, with test cell facility
T64-GE-416A Engine	First degree repair, with test cell facility
T64-GE-419 Engine	First degree repair, with test cell facility
AN/APN-171(V) Radar Altimeter	Fault isolate using the W104488-1 Test Set (TS), replace faulty components, Ready For Issue (RFI) unit
AN/APX-72 Identification Friend or Foe (IFF)	Fault isolate WRA using AN/UPM-155 TS, fault isolate Shop Replaceable Assembly (SRA) using AN/UPM-239A TS, replace faulty SRA, RFI unit
TSEC/KY-28 Secure Voice Data Set	Fault isolate using a multi-meter, replace faulty component, RFI unit
AN/ARN-118(V) TACAN	Fault isolate using ARM-155/156 TS, replace faulty SRA, align as required, RFI unit

<b>SYSTEM</b>	<b>INTERMEDIATE MAINTENANCE REQUIREMENTS</b>
AN/AQS-20 Sonar Detection Set	No intermediate level repair, equipment is sent to contractor for maintenance
AN/APN-217(V)2 Radar Navigation Set	No intermediate level repair, equipment is sent to contractor for maintenance
AN/ARC-94 HF Radio	Fault isolate using 678P-1 TS, replace faulty SRA, RFI unit
AN/ARC-174A(V)2 HF Radio	Test and check to verify faulty WRA using locally manufactured TS, RFI or BCM unit
AN/ARC-182 (V) Radio	Fault isolate WRA using the AN/ARM-200, TS-4110, or TG-8300 TS, replace faulty SRA, RFI unit
AN/ALE-39 Countermeasures Dispensing System	Fault isolate Controller using AN/ALM-224 TS, fault isolate Programmer using AN/ALM-164 TS, replace faulty SRA, RFI unit
AN/ARC-210(V) UHF/VHF Comm	No intermediate level repair, equipment is sent to contractor for maintenance
AN/ARN-89A Auto Direction Finder	Fault isolate using Mk-944/AR TS, RFI, replace faulty SRA, RFI unit
AN/ARN-151 GPS	Fault isolate using AN/GSM-336(V)3 TS, replace faulty SRA, RFI unit, SRA sent to contractor for maintenance
AN/ALQ-141 Mine Countermeasure Set	No intermediate level repair, equipment is sent to contractor for maintenance
Mk-105 Magnetic Sweep Device	No intermediate level repair, equipment is sent to contractor for maintenance
A/N37U-1 Mine Clearing Set	No intermediate level repair, equipment is sent to contractor for maintenance
AN/AQS-14 Sonar Detecting Set	Intermediate level repair using the AN/USM-668 SONAR Detecting Test Set, replace faulty SRA, RFI unit
VIR-31A VOR/ILS	Test and check only using AN/ARN-126 TS, faulty component sent to depot for maintenance

<b>SYSTEM</b>	<b>INTERMEDIATE MAINTENANCE REQUIREMENTS</b>
AN/AAQ-168 FLIR	No intermediate level repair, equipment is sent to contractor for maintenance

**d. Depot.** MH-53E Helicopter depot maintenance actions are those requiring major overhaul or a complete rebuilding, manufacturing, or modification of parts, assemblies, subassemblies, and end items. The Navy Support Date (NSD) for the MH-53E Helicopter was September 1992. The NSDs for the T64-GE-419 engine and main gearbox ECP have not yet been determined, but will be included in future updates to this NTSP. Depot maintenance is performed at the following NAVAVNDEPOT locations:

Airframe..... NAVAVNDEPOT Cherry Point

Engine(s) ..... NAVAVNDEPOT Cherry Point

Rotor Blades..... NAVAVNDEPOT Cherry Point

Components:

C/MH-53E common items..... NAVAVNDEPOT Cherry Point

MH-53E peculiar items..... Commercial (Sikorsky)

**e. Interim Maintenance.** NA

**f. Life Cycle Maintenance Plan.** The MH-53E Helicopter is on a three-year SDLM Cycle. At the end of a 36-month service period, an ASPA inspection is performed, and those aircraft found to be in satisfactory material condition will be granted a 12-month period extension, when another ASPA inspection is performed. This process continues until an aircraft fails the ASPA inspection and is inducted into standard rework. This will no longer be practiced when the IMC is fully established.

**3. Manning Concept.** Qualitative and quantitative manpower requirements for the MH-53E Helicopter are driven by total preventive and corrective maintenance requirements and the squadron ROC/POE. The squadron manpower is dictated by the deployment workload, which demands 24 hours of organizational level servicing during cyclic flight operations. The basic watch conditions consist of two sections, each responsible for a 12-hour period.

The integrated MH-53E squadrons are supported by a cadre of active duty and Training and Administration of the Naval Reserve (TAR) personnel and augmented by Selected Reserve (SELRES) personnel. New Activity Manpower Documents have been developed to identify the billet structure required to operate these combined squadrons. These changes do not affect the manning of MMFs. The table below lists the manpower requirements for HM-14 (AMD dated August 8, 1999) and HM-15 (AMD dated July 7, 1999).

<b>SQUADRON</b>	<b>OFFICER</b>			<b>ENLISTED</b>		
	<b>ACDU</b>	<b>TAR</b>	<b>SELRES</b>	<b>ACDU</b>	<b>TAR</b>	<b>SELRES</b>
HM-14	32	4	21	393	113	133
HM-15	32	4	21	393	113	133

**4. Training Concept.** MH-53E pilots and aircrew receive operational training at Airborne Mine Countermeasures Weapon Systems Training School (AWSTS), Norfolk, Virginia, and Marine Helicopter Training Squadron (HMT)-302, Marine Corps Air Station (MCAS), New River, North Carolina. Maintenance training for the MH-53E Helicopter is taught at Maintenance Training Unit (MTU) 1031, Naval Air Maintenance Training Unit (NAMTRAU) Norfolk, Virginia. The maintenance courses below will require minor changes to provide training on the new T-64-GE-419 Engines, AN/ARN-152 GPS, and AN/ARC-210(V) Radio System. MTU 1031 NAMTRAU Norfolk will begin teaching the new courses in April 2001. Future updates to this NTSP will reflect the revised training courses.

- C-601-3444, T-64-GE-413/415/416 Engine First Degree Intermediate Maintenance
- C-601-9446, MH-53E Power Plants, Rotors, and Related Systems Integrated Organizational Maintenance
- C-602-9442B, MH-53 Electrical/Instrument and DAFCS (Career) Organizational Maintenance
- C-102-9444, MH-53E Communication, Navigation, and Identification Systems (Career) Organizational Maintenance

**a. Initial Training.** Initial training for the MH-53E Helicopter has been successfully completed. MTU 1031 NAMTRAU Norfolk began the initial training for the new T-64-GE-419 engine in June 1999. No initial training is required for the AN/ARC-210 or the minor modifications to the MH-53E. The following table illustrates the T64-GE-419 engine installations by site.

<b>LOCATION</b>	<b>AIRCRAFT INCORPORATED</b>
NSWC Panama City	2
Sikorski	1
HM-14	4
HM-14 Reserve	3

LOCATION	AIRCRAFT INCORPORATED
HM-14 Det One	4
TOTAL AIRCRAFT	14

For the HC-4 transition, Sikorsky Aircraft Corporation provided pilot, aircrew, and maintenance training on the differences between the MH-53E and the CH-53E Helicopters. Transition training began in March 1995 and was completed in April 1995 at NAS Sigonella Sicily. To accommodate transition training, the first MH-53E Helicopters arrived at NAS Sigonella in March 1995 (squadron transition began April 1995). MH-53E Helicopters in HC-4 are not equipped with AMCM equipment and continue to perform VOD missions as well as equipment, passenger, and cargo transportation.

**b. Follow-on Training.** MH-53E Helicopter follow-on training is conducted at AWSTS, HMT-302, and MTU 1031. This training is available to active duty and TAR students through the following training tracks and stand-alone courses:

**(1) Operator.** All MH-53E pilots receive ground training and aircraft familiarization at AWSTS followed by basic MH-53E flight training at HMT-302. Pilots and aircrew designated for AMCM activities then receive further mission and tactics training at AWSTS. MH-53E fleet support aircrew proceed directly to HC-4 following flight training. Student throughput for pilots in AMCM and VOD pipelines is based on training 40% Category 1 Fleet Replacement Pilots (FRP), 40% Category 2 FRP, 10% Category 3 Pilots, 10% Category 4 Pilots. Aircrew student throughput is based on training 60% Category 1 Fleet Replacement Aircrewman (FRAC) and 40% Category 3 FRAC in both AMCM and VOD training tracks. Pilot and aircrew courses are currently available through the pilot pipelines and aircrew training tracks listed below.

**Title..... MH-53E AMCM Pilot Category I Pipeline**

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CIN..... D-2C-2780

Model Manager.... AWSTS

Description..... This course provides training to the first tour MH-53E Fleet Replacement Pilot, including:

- Mine sweeping system employment
- Flight Training Crew Tactics and Safety
- Communications and Navigation
- Naval Air Training and Operations Procedures Standardization (NATOPS)

Upon completion, the student will be able to perform as an MH-53E AMCM Pilot in a squadron environment.

Location..... AWSTS, Norfolk

Length..... 159 days

RFT date..... Currently available

Skill identifier..... 1311

TTE/TD..... Operational Flight Trainer (OFT) Device 2F141

Prerequisites .....

- E-2D-0039, Survival Evasion Resistance, and Escape
- P-7C-0025, Navy Leader Development Program Division Officer
- B-322-0042, Refresher Aerospace Physiology Helicopter Training
- B-9E-1226, Naval Aviation Water Survival Program R-3
- C-495-0413, Shipboard Aircraft Fire Fighting
- Secret clearance

**Title .....** **MH-53E AMCM Pilot Category II Pipeline**

**CIN.....** D-2C-2781

**Model Manager....** AWSTS

**Description.....** This course provides training to the second tour MH-53E Fleet Replacement Pilot, including:

- Mine sweeping system employment
- Flight Training Crew Tactics and Safety
- Communications and Navigation
- Naval Air Training and Operations Procedures Standardization (NATOPS)

Upon completion, the student will be able to perform as an MH-53E AMCM Pilot in a squadron environment.

**Location.....** AWSTS, Norfolk

**Length.....** 130 days

**RFT date.....** Currently available

**Skill Identifier ....** 1311

**TTE/TD.....** OFT Device 2F141

**Prerequisites.....**

- E-2D-0039, Survival Evasion Resistance, and Escape
- B-322-0042, Refresher Aerospace Physiology Helicopter Training
- B-9E-1226, Naval Aviation Water Survival Program R-3
- C-495-0413, Shipboard Aircraft Fire Fighting
- Secret clearance

**Title .....** **MH-53E VOD Pilot Category III Pipeline**

**CIN.....** D-2C-2782

**Model Manager....** AWSTS

**Description.....** This course provides training to the MH-53E Fleet Replacement Pilot, including:

- Utility system employment
- Flight Training Crew Tactics and Safety
- Communications and Navigation
- Naval Air Training and Operations Procedures Standardization (NATOPS)

Upon completion, the student will be able to perform as an MH-53E VOD Pilot in a squadron environment.

**Location.....** AWSTS, Norfolk

**Length.....** 73 days

**RFT date.....** Currently available

**Skill Identifier.....** 1311

**TTE/TD.....** OFT Device 2F141

**Prerequisites.....**

- E-2D-0039, Survival Evasion Resistance, and Escape
- B-322-0042, Refresher Aerospace Physiology Helicopter Training
- B-9E-1226, Naval Aviation Water Survival Program R-3
- C-495-0413, Shipboard Aircraft Fire Fighting
- D-2C-2783, MH-53 VOD Pilot Category I Pipeline
- Interim secret clearance

**Title .....** **MH-53 VOD Fleet Replacement Pilot Category I Pipeline**

**CIN.....** D-2C-2783

**Model Manager....** AWSTS

**Description.....** This course provides training to the first tour MH-53E Fleet Replacement Pilot, including:

- Utility system employment
- Flight Training Crew Tactics and Safety
- Communications and Navigation
- Naval Air Training and Operations Procedures Standardization (NATOPS)

Upon completion, the student will be able to perform as an MH-53E VOD Pilot in a squadron environment.

**Location .....** AWSTS, Norfolk

**Length.....** 124 days

**RFT date.....** Currently available

**Skill Identifier....** 1311

**TTE/TD.....** OFT Device 2F141

**Prerequisites.....**

- E-2D-0039, Survival, Evasion, Resistance, and Escape
- P-7C-0025, Navy Leader Development Program Division Officer
- B-322-0042, Refresher Aerospace Physiology Helicopter Training
- B-9E-1226, Naval Aviation Water Survival Program R-3
- C-495-0413, Shipboard Aircraft Fire Fighting
- Interim secret clearance

**Title .....** **MH-53E AMCM Pilot Category III Pipeline**

**CIN.....** D-2C-2784

**Model Manager....** AWSTS

**Description.....** This course provides training to the MH-53E Fleet Replacement Pilot, including:

- Mine sweeping system employment
- Flight Training Crew Tactics and Safety
- Communications and Navigation
- Naval Air Training and Operations Procedures Standardization (NATOPS)

Upon completion, the student will be able to perform as an MH-53E AMCM Pilot in a squadron environment.

**Location.....** AWSTS, Norfolk

**Length.....** 85 days

**RFT date.....** Currently available

**Skill Identifier.....** 1311

**TTE/TD.....** OFT Device 2F141

**Prerequisites.....**

- E-2D-0039, Survival, Evasion, Resistance, and Escape
- B-322-0042, Refresher Aerospace Physiology Helicopter Training
- B-9E-1226, Naval Aviation Water Survival Program R-3
- C-495-0413, Shipboard Aircraft Fire Fighting
- Secret clearance

**Title .....** **MH-53 VOD Pilot Category II Pipeline**

CIN..... D-2C-2785

Model Manager.... AWSTS

Description..... This course provides training to the second tour MH-53E Fleet Replacement Pilot, including:

- Utility system employment
- Flight Training Crew Tactics and Safety
- Communications and Navigation
- Naval Air Training and Operations Procedures Standardization (NATOPS)

Upon completion, the student will be able to perform as an MH-53E VOD Pilot in a squadron environment.

Location..... AWSTS, Norfolk

Length..... 95 days

RFT date..... Currently available

Skill Identifier.... 1311

TTE/TD..... OFT Device 2F141

Prerequisites.....

- E-2D-0039, Survival, Evasion, Resistance, and Escape
- B-322-0042, Refresher Aerospace Physiology Helicopter Training
- B-9E-1226, Naval Aviation Water Survival Program R-3
- C-495-0413, Shipboard Aircraft Fire Fighting
- Interim secret clearance

**Title .....** **MH-53 VOD Pilot Category IV Pipeline**

CIN..... D-2C-2786

Model Manager.... AWSTS

Description..... This course provides training to the MH-53E Fleet Replacement Pilot, including:

- Utility system employment
- Flight Training Crew Tactics and Safety
- Communications and Navigation
- Naval Air Training and Operations Procedures Standardization (NATOPS)

Upon completion, the student will be able to perform as an MH-53E VOD Pilot in a squadron environment.

Location..... AWSTS, Norfolk  
Length..... 46 days  
RFT date..... Currently available  
Skill Identifier.... 1311  
TTE/TD..... OFT Device 2F141  
Prerequisites.....

- E-2D-0039, Survival, Evasion, Resistance, and Escape
- B-322-0042, Refresher Aerospace Physiology Helicopter Training
- B-9E-1226, Naval Aviation Water Survival Program R-3
- C-495-0413, Shipboard Aircraft Fire Fighting
- D-2C-2783, MH-53 VOD Fleet Replacement Pilot Category 1 Pipeline
- Secret clearance

**Title .....** **MH-53E AMCM Pilot Category IV Pipeline**  
**CIN.....** D-2C-2787  
**Model Manager....** AWSTS  
**Description.....** This course provides training to the MH-53E Fleet Replacement Pilot, including:

- Mine sweeping system employment
- Flight Training Crew Tactics and Safety
- Communications and Navigation
- Naval Air Training and Operations Procedures Standardization (NATOPS)

Upon completion, the student will be able to perform as an MH-53E AMCM Pilot in a squadron environment.  
Location..... AWSTS, Norfolk  
Length..... 58 days  
RFT date..... Currently available  
Skill Identifier.... 1311  
TTE/TD..... OFT Device 2F141

- Prerequisites.....
- E-2D-0039, Survival, Evasion, Resistance, and Escape
  - B-322-0042, Refresher Aerospace Physiology Helicopter Training
  - B-9E-1226, Naval Aviation Water Survival Program R-3
  - C-495-0413, Shipboard Aircraft Fire Fighting
  - D-2C-2780, MH-53AMCM Pilot Category I Pipeline
  - Secret clearance

<b>Title .....</b>	<b>MH-53E Utility Aircrewman Category 1 Pipeline</b>
CIN .....	D-050-2791
Model Manager ...	AWSTS
Description .....	<p>This course provides the prospective Aircrewman two phases of training. Phase 1 (Academic and Ground Training) consists of instruction covering:</p> <ul style="list-style-type: none"> <li>◦ FREST Indoctrination</li> <li>◦ MH-53E Aircraft Systems Familiarization</li> <li>◦ Aircrew Ground Duties and Line Operations</li> <li>◦ Aircrew Coordination Training</li> <li>◦ Utility and Vertical Onboard Delivery Procedures</li> </ul> <p>Phase 2 (Flight Training) includes practical experience in the aircraft covering:</p> <ul style="list-style-type: none"> <li>◦ Utility</li> <li>◦ Vertical Onboard Delivery</li> </ul> <p>Upon completion, the student will be able to perform as an MH-53E Utility/VOD Aircrewman in a squadron environment.</p>
Location .....	AWSTS, Norfolk
Length .....	121 days
RFT date .....	Currently available
Skill identifier ....	NEC 8225, Ratings AD, AM, AT, AE, AO, PR
TTE/TD .....	<ul style="list-style-type: none"> <li>◦ MH-53E Computer Based Training (CBT) System</li> <li>◦ GPS/PNS Trainer</li> </ul>

- Prerequisites.....
- D-2D-0039, Survival Evasion Resistance and Escape
  - B-9E-1226, Naval Aviation Water Survival Program R3
  - B-322-0042, Refresher Aerospace Physiology Helicopter Training
  - Q-050-1500, Naval Aircrew Candidate School
  - Secret clearance

**Title ..... MH-53E Utility Fleet Replacement Aircrew Course  
Category 3 Pipeline**

CIN ..... D-050-2792

Model Manager ... AWSTS

Description ..... This course provides the prior qualified Aircrewman two phases of training. Phase 1 (Academic and Ground Training) consists of instruction covering:

- FREST Indoctrination
- MH-53E Aircraft Systems Familiarization
- Aircrew Ground Duties and Line Operations
- Aircrew Coordination Training
- Utility and Vertical Onboard Delivery Procedures

Phase 2 (Flight Training) includes practical experience in the aircraft covering:

- Utility
- Vertical Onboard Delivery

Upon completion, the student will be able to perform as an MH-53E Utility/VOD Aircrewman in a squadron environment.

Location ..... AWSTS, Norfolk

Length ..... 38 days

RFT date ..... Currently available

Skill identifier .... NEC 8225 or 8226, Ratings AE, AO, AT, AME, AMH, AMS, PR, or AD.

TTE/TD .....

- MH-53E CBT System
- GPS/PNS Trainer

Prerequisite ..... D-050-2791, MH-53E Utility Aircrewman Category 1 Pipeline

**Title .....** **MH-53E Airborne Mine Countermeasures Fleet Replacement Aircrew Category I Pipeline**

**CIN .....** D-050-2793

**Model Manager ...** AWSTS

**Description .....** This course provides the first tour Aircrewman the knowledge and skills related to Airborne Mine Countermeasures, including:

- AWSTS Indoctrination
- Equipment, preflight, and theory of operation for the MOP, MK-104, MK-103, MK-105, AN/AQS-14 and AN/ALQ-141.
- AN/AQS-14/AQL-141 Mine Hunting Vehicle Console operation.

Upon completion, the student will be able to perform as an MH-53E AMCM Aircrewman in a squadron environment.

**Location .....** AWSTS, Norfolk

**Length .....** 38 days

**RFT date .....** Currently available

**Skill identifier ....** NEC 8226, Ratings AD, AM, AT, AE, AO, or PR

**TTE/TD .....**

- AMCM Stream and Recovery Module
- Mk-105 Training Device 2H107
- AN/AQS-14 Console Simulator

**Prerequisite .....** D-050-2791, MH-53E Utility Aircrewman Category 1 Pipeline

Title .....	<b>MH-53E AMCM Fleet Replacement Aircrew Category III Pipeline</b>
CIN .....	D-050-2796
Model Manager ...	AWSTS
Description .....	<p>This course provides the Aircrewman the knowledge and skills related to Airborne Mine Countermeasures, including:</p> <ul style="list-style-type: none"> <li>◦ AWSTS Indoctrination</li> <li>◦ Equipment, preflight, and theory of operation for the MOP, MK-104, MK-103, MK-105, AN/AQS-14 and AN/ALQ-141.</li> <li>◦ AN/AQS-14/AQL-141 Mine Hunting Vehicle Console operation.</li> </ul> <p>Upon completion, the student will be able to perform as an MH-53E AMCM Aircrewman in a squadron environment.</p>
Location .....	AWSTS, Norfolk
Length .....	23 days
RFT date .....	Currently available
Skill identifier ....	NEC 8226, Ratings AD, AM, AT, AE, AO, or PR
TTE/TD .....	<ul style="list-style-type: none"> <li>◦ AMCM Stream and Recovery Module</li> <li>◦ Mk-105 Training Device 2H107</li> <li>◦ AN/AQS-14 Console Simulator</li> </ul>
Prerequisite .....	D-050-2709, MH-53E AMCM Fleet Replacement Aircrewman Category 1

## (2) Maintenance

**(a) Organizational.** Organizational level maintenance training for the MH-53E Helicopter is conducted at MTU 1031 NAMTRAU Norfolk. All courses are currently Ready For Training (RFT). Student throughput depicted in elements II.B.1 and III.A.2 is based on training 100 % of students for initial training, 60 % for career training, and 10 % for SELRES personnel.

**Title .....** **MH-53E Communication, Navigation, and Identification Systems Organizational Maintenance**

**CIN .....** D-102-2725

**Model Manager ...** MTU 1031 NAMTRAU Norfolk

**Description .....** This course provides the second tour Aviation Electronics Technician the knowledge and skills on the MH-53E avionics systems, including:

- Communication, Navigation, and Identification Systems maintenance
- System analysis and troubleshooting techniques

Upon completion, the student will be able to perform MH-53E avionics systems organizational maintenance in a squadron environment under limited supervision.

**Location .....** MTU 1031 NAMTRAU Norfolk

**Length .....** 64 days

**RFT date .....** Currently available

**Skill identifier ....** AT 8303

**TTE/TD .....** MH-53E Avionics Part Task Maintenance Trainer

**Prerequisite .....** C-102-9444, MH-53E Communication, Navigation, and Identification Systems Career Organizational Maintenance

**Title .....** **AMCM Electronic/Electrical Systems Organizational/Intermediate Maintenance**

**CIN .....** D-102-2727

**Model Manager ...** MTU 1031 NAMTRAU Norfolk

**Description .....** This course provides the Aviation Electronics Technician or Aviation Electrician's Mate the knowledge and skills on the MH-53E avionics and electrical systems, including:

- System analysis and troubleshooting techniques for:
  - AMCM electronic and electrical systems organizational and intermediate maintenance
  - AN/AQS-14 system organizational maintenance
- AMCM Sled Captain duties

Upon completion, the student will be able to perform MH-53E avionics and electrical systems organizational and authorized intermediate maintenance in a squadron environment under limited supervision.

Location ..... MTU 1031 NAMTRAU Norfolk  
Length ..... 65 days  
RFT date ..... Currently available  
Skill identifier ....  
    ° AT 8391  
    ° AE 8391  
TTE/TD ..... AN/AQS-14 Console Simulator  
Prerequisite ..... C-100-2018, Avionics Technician O Level Class A1

**Title ..... MH-53 COM/NAV/IDENT (CNI) Systems (Initial)  
Organizational Maintenance**

CIN ..... D-102-2735  
Model Manager ... MTU 1031 NAMTRAU Norfolk  
Description ..... This course provides the first tour Aviation Electronics  
Technician the knowledge and skills on the MH-53E CNI  
systems, including:  
    ° Component location and characteristics  
    ° Basic testing and servicing of avionics systems  
    ° Communication, Navigation, and Identification System  
        organization maintenance  
Upon completion, the student will be able to perform MH-  
53E avionics and CNI systems basic organizational  
maintenance in a squadron environment under supervision.

Location ..... MTU 1031 NAMTRAU Norfolk  
Length ..... 30 days  
RFT date ..... Currently available  
Skill identifier .... AT 8803  
TTE/TD .....  
    ° MH-53E AFCS Maintenance Trainer  
    ° MH-53E Avionics Part Task Maintenance Trainer  
    ° Auxiliary Power Plant Part Task Maintenance Trainer  
Prerequisites .....  
    ° C-100-2018, Avionics Technician O Level Class A1  
    ° C-100-2020, Avionics Common Core Class A1

**Title .....** **AMCM Electronic Systems (Initial) Organizational/ Intermediate Maintenance**

**CIN .....** D-102-2736

**Model Manager ...** MTU 1031 NAMTRAU Norfolk

**Description .....** This course provides the first tour Aviation Electronics Technician the knowledge and skills on the MH-53E AMCM electronic systems, including:

- Component location and characteristics
- Basic testing and servicing of avionics systems
- AN/AQS-14 system organizational maintenance

Upon completion, the student will be able to perform MH-53E AMCM electronics systems basic organizational maintenance in a squadron environment under supervision.

**Location .....** MTU 1031 NAMTRAU Norfolk

**Length .....** 5 days

**RFT date .....** Currently available

**Skill identifier ....** AT 8891

**TTE/TD .....**

- Mk-105 Training Device 2H107
- AN/AQS-14 Console Simulator

**Prerequisites .....**

- C-100-2018, Avionics Technician O Level Class A1
- C-100-2020, Avionics Common Core ClassA1

**Title .....** **MH/CH-53E Plane Captain**

**CIN .....** D-600-2700

**Model Manager ...** MTU 1031 NAMTRAU Norfolk

**Description .....** This course provides the non-designated aviation trainee the knowledge and skills required for duty as a Plane Captain, including:

- Aircraft servicing
- Aircraft taxiing
- Aircraft fueling
- Daily inspection

Upon completion, the student will be able to perform as an MH-53E Plane Captain in a squadron environment under supervision.

**Location .....** MTU 1031 NAMTRAU Norfolk

Length ..... 23days  
RFT date ..... Currently available  
Skill identifier .... None  
TTE/TD ..... No major TTE or TD is required to support this training  
Prerequisite ..... A-950-0069, Airman Apprentice Training

**Title .....** **MH-53E Power Plants and Related Systems Maintenance**  
**CIN .....** D-601-2715  
**Model Manager ...** MTU 1031 NAMTRAU Norfolk  
**Description .....** This course provides the second tour Aviation Machinist's Mate the knowledge and skills on the MH-53E power plants and related systems, including:  
    ° Operation, testing, troubleshooting, and repair procedures for:  
        - Power plants and related systems  
        - Fuel systems  
        - Rotors and related systems  
Upon completion, the student will be able to perform MH-53E power plants, rotors, and related systems organizational maintenance in a squadron environment under limited supervision.  
**Location .....** MTU 1031 NAMTRAU Norfolk  
**Length .....** 72 days  
**RFT date .....** Currently available  
**Skill identifier ....** AD 8303  
**TTE/TD .....** ° MH-53E Fuel System Part Task Maintenance Trainer  
                  ° MH-53E Composite Maintenance Trainer  
**Prerequisite .....** D-601-2722, MH-53E Power Plants and Related Systems (Initial) Organizational Maintenance

**Title .....** **AMCM Structures and Hydraulic Systems (Career)  
Organizational Maintenance**

**CIN .....** D-601-2721

**Model Manager ...** MTU 1031 NAMTRAU Norfolk

**Description .....** This course provides the second tour Aviation Structural Mechanic the knowledge and skills on the MH-53E AMCM structures and hydraulics systems, including:

- Operations, testing, troubleshooting, and repair procedures for:
  - AMCM structures and hydraulics system maintenance
  - Structures and hydraulics systems intermediate maintenance
- Safety
- AMCM Sled Captain duties

Upon completion, the student will be able to perform AMCM structures and hydraulics repairs in a squadron environment under limited supervision.

**Location .....** MTU 1031 NAMTRAU Norfolk

**Length .....** 23 days

**RFT date .....** Currently available

**Skill identifier ...**

- AMH 8391
- AMS 8391

**TTE/TD .....** Mk-105 Training Device 2H107

**Prerequisite .....** C-602-2788, AMCM Initial Structures and Hydraulic Systems Organizational Maintenance

**Title .....** **MH-53E Power Plants and Related Systems (Initial) Organizational Maintenance**

**CIN .....** D-601-2722

**Model Manager ...** MTU 1031 NAMTRAU Norfolk

**Description .....** This course provides the first tour Aviation Machinist's Mate the knowledge and skills on the MH-53E power plants and related systems, including:

- Component purpose, location, and repair procedures
- Power plants and related systems maintenance
- Safety

Upon completion, the student will be able to perform MH-53E power plants and related systems basic organizational maintenance in a squadron environment under supervision.

**Location .....** MTU 1031 NAMTRAU Norfolk

**Length .....** 30 days

**RFT date .....** Currently available

**Skill identifier ....** AD 8803

**TTE/TD .....**

- MH-53E Fuel System Part Task Maintenance Trainer
- MH-53E Composite Maintenance Trainer
- MH-53 Gear-Ramp Part Task Maintenance Trainer
- Auxiliary Power Plant Part Task Maintenance Trainer

**Prerequisites.....**

- C-601-2011, Aviation Machinist's Mate Common Core Class A1
- C-601-2012, Aviation Machinist's Mate Helicopter Fundamentals Strand Class A1

**Title .....** **AMCM Mechanical Systems (Initial) Maintenance**

**CIN .....** D-601-2723

**Model Manager ...** MTU 1031 NAMTRAU Norfolk

**Description .....** This course provides the first tour Aviation Machinist's Mate the knowledge and skills on the MH-53E AMCM mechanical systems, including:

- Component purpose, location, and repair procedures
- Mk-105 power plants and related systems maintenance
- Safety
- AMCM Sled Captain duties

Upon completion, the student will be able to perform MH-53E AMCM mechanical systems basic organizational maintenance in a squadron environment under supervision.

**Location .....** MTU 1031 NAMTRAU Norfolk

**Length .....** 15 days

**RFT date .....** Currently available

**Skill identifier ....** AD 8891

**TTE/TD .....** Mk-105 Training Device 2H107

**Prerequisites .....**

- C-601-2011, Aviation Machinist's Mate Common Core Class A1
- C-601-2012, Aviation Machinist's Mate Helicopter Fundamentals Strand Class A1

**Title .....** **MH-53E Electrical/Instrument System and Automatic Flight Control System (AFCS) (Initial) Organizational Maintenance**

**CIN .....** D-602-2753

**Model Manager ...** MTU 1031 NAMTRAU Norfolk

**Description .....** This course provides the first tour Aviation Electrician's Mate the knowledge and skills on the MH-53E electrical/instrument and digital automatic flight control systems, including:

- ° System purposes
- ° Component location and characteristics
- ° Self-test of selected systems
- ° MH-53E AFCS limited organizational maintenance
- ° MH-53E electrical/instrument systems maintenance

Upon completion, the student will be able to perform MH-53E electrical/instrument and digital automatic flight control systems basic organizational maintenance in a squadron environment under supervision.

**Location .....** MTU 1031 NAMTRAU Norfolk

**Length .....** 30 days

**RFT date .....** Currently available

**Skill identifier ....** AE 8803

**TTE/TD .....**

- ° MH-53 Gear-Ramp Part Task Maintenance Trainer
- ° MH-53E Fuel System Part Task Maintenance Trainer
- ° MH-53E AFCS Maintenance Trainer
- ° Auxiliary Power Plant Part Task Maintenance Trainer

**Prerequisites.....**

- ° C-100-2020, Avionics Common Core Class A1
- ° C-602-2039, Aviation Electrician's Mate O Level Strand Class A1

**Title .....** **AMCM Electrical System (Initial) Organizational/  
Intermediate Maintenance**

**CIN .....** D-602-2754

**Model Manager ...** MTU 1031 NAMTRAU Norfolk

**Description .....** This course provides the first tour Aviation Electrician's Mate the knowledge and skills on the MH-53E AMCM electrical and related systems, including:

- System purpose
- Component location and characteristics
- Self-test of selected systems
- AMCM electrical systems organizational and intermediate maintenance
- AMCM Sled Captain duties

Upon completion, the student will be able to perform MH-53E AMCM electrical and related systems basic organizational maintenance in a squadron environment under supervision.

**Location .....** MTU 1031 NAMTRAU Norfolk

**Length .....** 16 days

**RFT date .....** Currently available

**Skill identifier ....** AE 8891

**TTE/TD .....** Mk-105 Training Device 2H107

**Prerequisites .....**

- C-100-2020, Avionics Common Core Class A1
- C-602-2039, Aviation Electrician's Mate O Level Strand Class A1

**Title .....** **MH-53E Electrical/Instrument System and Automatic Flight Control System (AFCS) Organizational Maintenance**

**CIN .....** D-602-2758

**Model Manager ...** MTU 1031 NAMTRAU Norfolk

**Description .....** This course provides the second tour Aviation Electrician's Mate the knowledge and skills on the MH-53E electrical/instrument and digital automatic flight control systems, including:

- Electrical/instrument systems
- Digital AFCS system
- System analysis and troubleshooting techniques

Upon completion, the student will be able to perform MH-53E electrical/instrument and digital automatic flight control systems organizational maintenance in a squadron environment under limited supervision.

**Location .....** MTU 1031 NAMTRAU Norfolk

**Length .....** 114 days

**RFT date .....** Currently available

**Skill identifier ....** AE 8303

**TTE/TD .....**

- MH-53E Gear-Ramp Part Task Maintenance Trainer
- MH-53E Fuel System Part Task Maintenance Trainer
- MH-53E AFCS Maintenance Trainer

**Prerequisite .....** C-602-2039, Aviation Electrician's Mate Strand ClassA1

**Title .....** **AMCM Electrical System (Career)  
Organizational/Intermediate Maintenance**  
**CIN .....** D-602-2760  
**Model Manager ...** MTU 1031 NAMTRAU Norfolk  
**Description .....** This course provides the second tour Aviation Electrician's Mate the knowledge and skills on the MH-53E AMCM electrical and related systems, including:  
 ° System analysis and troubleshooting techniques  
 ° AMCM electrical system organizational and intermediate maintenance  
 ° AMCM Sled Captain duties  
 Upon completion, the student will be able to perform MH-53E AMCM electrical and related systems organizational and intermediate maintenance in a squadron environment under limited supervision.  
**Location .....** MTU 1031 NAMTRAU Norfolk  
**Length .....** 23 days  
**RFT date .....** Currently available  
**Skill identifier ....** AE 8391  
**TTE/TD .....** Mk-105 Training Device 2H107  
**Prerequisite .....** D-602-2754, AMCM Initial Electrical System Organizational/Intermediate

**Title .....** **MH-53E Airframes and Hydraulic Systems  
Organizational Maintenance**  
**CIN .....** D-602-2785  
**Model Manager ...** MTU 1031 NAMTRAU Norfolk  
**Description .....** This course provides the second tour Aviation Structural Mechanic the knowledge and skills on the MH-53E structures and hydraulics systems, including:  
 ° Operations and testing  
 ° Troubleshooting and repair procedures  
 ° Safety  
 Upon completion, the student will be able to perform MH-53E structures and hydraulics organizational maintenance in a squadron environment under limited supervision.

Location ..... MTU 1031 NAMTRAU Norfolk  
Length ..... 95 days  
RFT date ..... Currently available  
Skill identifier ....

- AMH 8303
- AMS 8303

TTE/TD .....

- MH-53E Gear-Ramp Part Task Maintenance Trainer
- MH-53E Composite Maintenance Trainer

Prerequisite .....

- C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1
- C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Organizational Level Strand Class A1

**Title .....** **AMCM Structures and Hydraulic Systems (Initial Organizational Maintenance)**

CIN ..... D-602-2788

Model Manager ... MTU 1031 NAMTRAU Norfolk

Description ..... This course provides the first tour Aviation Structural Mechanic the knowledge and skills on the MH-53E AMCM structures and hydraulics systems, including:

- Operations and testing
- Troubleshooting and repair procedures
- AMCM structures and hydraulics systems
- Safety
- AMCM Sled Captain duties

Upon completion, the student will be able to perform MH-53E AMCM structures and hydraulics systems basic organizational maintenance in a squadron environment under supervision.

Location ..... MTU 1031 NAMTRAU Norfolk

Length ..... 16 days

RFT date ..... Currently available

Skill identifier ....

- AMH 8891
- AMS 8891

TTE/TD ..... Mk-105 Training Device 2H107

Prerequisites .....	<ul style="list-style-type: none"> <li>◦ C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1</li> <li>◦ C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Organizational Level Strand Class A1</li> </ul>
<b>Title .....</b>	<b>MH-53E Airframes and Hydraulic Systems (Initial) Organizational Maintenance</b>
CIN .....	D-602-2789
Model Manager ...	MTU 1031 NAMTRAU Norfolk
Description .....	<p>This course provides the first tour Aviation Structural Mechanic the knowledge and skills on the MH-53E structures and hydraulics systems, including:</p> <ul style="list-style-type: none"> <li>◦ Operations and testing</li> <li>◦ Troubleshooting and repair procedures</li> <li>◦ Airframes maintenance</li> <li>◦ Hydraulic systems maintenance</li> <li>◦ Safety</li> </ul> <p>Upon completion, the student will be able to perform MH-53E structures and hydraulics systems basic organizational maintenance in a squadron environment under supervision.</p>
Location .....	MTU 1031 NAMTRAU Norfolk
Length .....	16 days
RFT date .....	Currently available
Skill identifier ....	<ul style="list-style-type: none"> <li>◦ AMH 8803</li> <li>◦ AMS 8803</li> </ul>
TTE/TD .....	<ul style="list-style-type: none"> <li>◦ MH-53E Gear-Ramp Part Task Maintenance Trainer</li> <li>◦ MH-53E Composite Maintenance Trainer</li> <li>◦ MH-53E Fuel System Part Task Maintenance Trainer</li> <li>◦ Auxiliary Power Plant Part Task Maintenance Trainer</li> </ul>
Prerequisites .....	<ul style="list-style-type: none"> <li>◦ C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1</li> <li>◦ C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Organizational Level Strand Class A1</li> </ul>

<b>Title .....</b>	<b>AMCM Mechanical Systems Maintenance</b>
CIN .....	D-601-2717
Model Manager ...	MTU 1031 NAMTRAU Norfolk
Description .....	<p>This course provides the second tour Aviation Machinist's Mate the knowledge and skills on the MH-53E AMCM power plants and mechanical systems, including:</p> <ul style="list-style-type: none"> <li>◦ Operation, testing, troubleshooting, and repair procedures for: <ul style="list-style-type: none"> <li>- MH-53E AMCM Maintenance</li> <li>- Mk-105 power plants and related systems maintenance</li> </ul> </li> <li>◦ Safety</li> <li>◦ AMCM Sled Captain duties</li> </ul> <p>Upon completion, the student will be able to perform MH-53E AMCM power plants and mechanical systems organizational maintenance in a squadron environment under limited supervision.</p>
Location .....	MTU 1031 NAMTRAU Norfolk
Length .....	30 days
RFT date .....	Currently available
Skill identifier ....	AD 8391
TTE/TD .....	<ul style="list-style-type: none"> <li>◦ Mk-105 Training Device 2H107</li> <li>◦ MH-53E Fuel System Part Task Maintenance Trainer</li> <li>◦ MH-53E Composite Maintenance Trainer</li> <li>◦ Auxiliary Power Plant Part Task Maintenance Trainer</li> </ul>
Prerequisites .....	<ul style="list-style-type: none"> <li>◦ C-601-2011, Aviation Machinist's Mate Common Core Class A1</li> <li>◦ C-6031-2012, Aviation Machinist's Mate Helicopter Fundamentals Strand Class A1</li> </ul>

**(b) Intermediate.** All intermediate level maintenance courses are available through the training tracks listed here.

<b>Title .....</b>	<b>Miniature Electronics Repair</b>
CIN .....	A-100-0072
Model Manager ...	Fleet Training Center, San Diego
Description .....	This course provides the Aviation Electronics Technician or the Aviation Electrician's Mate the knowledge and skills on miniature electronics, including: <ul style="list-style-type: none"><li>° Knowledge and skills to perform high quality and high reliable solder connections on complex circuit card assemblies at the organization and intermediate maintenance levels</li><li>° 2M program overview and safety</li><li>° 2M station operation and maintenance.</li></ul> Miniature electronic repair is the repair of single and double-sided complex circuit card assemblies, including: <ul style="list-style-type: none"><li>° Removal and replacement of discrete and multi-leaded components</li><li>° Removal and application of conformal coatings</li><li>° Wiring and soldering of various terminals or connectors</li><li>° Removal and replacement of damaged conductors and board laminate</li><li>° Electrostatic discharge familiarization and handling procedures to minimize electrostatic discharge risks to complex circuit cards.</li></ul> Upon completion, the student will be able to perform miniature electronics repairs in a shop environment under limited supervision.
Location .....	<ul style="list-style-type: none"><li>° Fleet Training Center, San Diego, California</li><li>° Fleet Training Center, Norfolk, Virginia</li></ul>
Length .....	26 days
RFT date .....	Currently available
Skill identifier.....	<ul style="list-style-type: none"><li>° AE 9527</li><li>° AT 9527</li></ul>
TTE/TD .....	No major TTE or TD is required to support this training

- Prerequisites..... ° C-100-2020, Avionics Common Core Class A1  
 ° C-100-2018, Avionics Technician O Level Class A1  
 ° C-100-2017, Avionics Technician I Level Class A1  
 ° C-602-2039, Aviation Electrician's Mate O Level Strand Class A1

**Title .....** **Electronics Identification Equipment Intermediate Maintenance**

CIN ..... D-102-6039

Model Manager ... MTU 1007 NAMTRAU Oceana

Description ..... This course provides the Aviation Electronics Technician the knowledge and skills to perform routine repairs of aircraft interrogator and transponder systems. This training includes Combined Electronic Identification (IFF) intermediate maintenance. Upon completion, the student will be able to perform electronics identification equipment repairs in a shop environment under limited supervision.

Location ..... MTU 1007 NAMTRAU Oceana

Length ..... 65 days

RFT date ..... Currently available

Skill identifier .... AT 6609

TTE/TD ..... No major TTE or TD is required to support this training

Prerequisites ..... ° C-100-2017, Avionics Technician I Level Class A1  
 ° C-100-2020, Avionics Common Core Class A1

**Title .....** **Radar Altimeter Equipment Intermediate Maintenance**

CIN ..... E-102-6109

Model Manager ... MTU 1067 NAMTRAU North Island

Description ..... This course provides the Aviation Electronics Technician the knowledge and skills to perform intermediate level maintenance procedures on radar altimeter systems installed in Navy aircraft. This training includes Combined Radar Altimeter Intermediate Maintenance. Upon completion, the student will be able to perform radar altimeter equipment repairs in a shop environment under limited supervision.

Location ..... MTU 1067 NAMTRAU North Island  
Length ..... 30 days  
RFT date ..... Currently available  
Skill identifier .... AT 6605  
TTE/TD ..... No major TTE or TD is required to support this training  
Prerequisite ..... C-100-2017, Avionics Technician I Level Class A1

**Title ..... UHF Communications Equipment Intermediate Maintenance**  
CIN ..... D-102-6152  
Model Manager ... MTU 1007 NAMTRAU Oceana  
Description ..... This course provides the Aviation Electronics Technician the knowledge and skills to perform intermediate level maintenance on aircraft UHF, Automatic Direction Finder, and intercommunication equipment, including:  
    ° AN/ARC-159(V)  
    ° AN/ARC-182  
    ° AN/ARC-210  
Upon completion, the student will be able to perform UHF, Automatic Direction Finder, and intercommunication equipment repairs in a shop environment under limited supervision.  
Location ..... MTU 1007 NAMTRAU Oceana  
Length ..... 40 days  
RFT date ..... Currently available  
Skill identifier .... AT 6611  
TTE/TD ..... No major TTE or TD is required to support this training  
Prerequisite ..... C-100-2017, Avionics Technician I Level Class A1

**Title .....** **T-64 Engine First Degree Intermediate Maintenance**

**CIN .....** D-601-3000

**Model Manager ...** MTU 1031 NAMTRAU Norfolk

**Description .....** This course provides the Aviation Machinist's Mate or Power Plants Mechanic the knowledge and skills related to first degree intermediate maintenance of T-64-GE-413/415/416 engines, including:

- Assembly and disassembly
- Replacement of parts
- Proper tools and maintenance practices

Upon completion, the student will be able to perform first degree intermediate level maintenance on the T-64 engines in a shop environment under limited supervision.

**Location .....** MTU 1031 NAMTRAU Norfolk

**Length .....** 44 days

**RFT date .....** Currently available

**Skill identifier ....**

- AD 6424
- MOS 6123

**TTE/TD .....** T64-GE-409 series engine

**Prerequisite .....** C-601-2012, Aviation Machinist's Mate Helicopter Fundamentals Strand Class A1

**Title .....** **Hydraulic Components Intermediate Maintenance**

**CIN .....** D-602-4008

**Model Manager ...** MTU 1007 NAMTRAU Oceana

**Description .....** This course provides the Aviation Structural Mechanic the knowledge and skills related to intermediate maintenance procedures on aircraft hydraulic components, including:

- HCT-10 Electro-Hydraulic/Pneumatic Test Stand
- Limited aircraft component intermediate maintenance

Upon completion, the student will be able to perform intermediate maintenance procedures on hydraulic components in a shop environment under limited supervision.

**Location .....** MTU 1007 NAMTRAU Oceana

**Length .....** 23 days

RFT date .....	Currently available
Skill identifier ....	<ul style="list-style-type: none"> <li>◦ AMH 7212</li> <li>◦ AMS 7212</li> </ul>
TTE/TD .....	Aircraft Hydraulic and Pneumatic Component Test Stand (HCT-10)
Prerequisites.....	<ul style="list-style-type: none"> <li>◦ C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1</li> <li>◦ C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Organizational Level Strand Class A1</li> </ul>
 <b>Title .....</b>	<b>Attitude Heading Reference System Intermediate Maintenance</b>
CIN .....	D-602-5028
Model Manager ...	MTU 1007 NAMTRAU Oceana
Description .....	This course provides the Aviation Electrician's Mate the knowledge and skills to perform intermediate maintenance on attitude heading reference systems. Upon completion, the student will be able to perform intermediate maintenance on aircraft attitude heading reference systems in a shop environment under limited supervision.
Location .....	MTU 1007 NAMTRAU Oceana
Length .....	30 days
RFT date .....	Currently available
Skill identifier ....	AE 7105
TTE/TD .....	No major TTE or TD is required to support this training
Prerequisites.....	<ul style="list-style-type: none"> <li>◦ C-100-2020, Avionics Common Core Class A1</li> <li>◦ C-602-2039, Aviation Electrician's Mate O Level Strand Class A1</li> </ul>

**Title .....** **Helicopter Automatic Stabilization Equipment Intermediate Maintenance**

**CIN .....** D-602-5056

**Model Manager ...** MTU 1007 NAMTRAU Oceana

**Description .....** This course provides the Aviation Electrician's Mate the knowledge and skills related to the SH-3 electrical / instrument system intermediate level maintenance, including SH-3 Automatic Stabilization Equipment Intermediate Maintenance. Upon completion, the student will be able to perform repairs on helicopter automatic stabilization systems in a shop environment under limited supervision.

**Location .....** MTU 1007 NAMTRAU Oceana

**Length .....** 45 days

**RFT date .....** Currently available

**Skill identifier ....** AE 7144

**TTE/TD .....** Digital AFCS Computer

**Prerequisite ....**

- ° C-100-2020, Avionics Common Core Class A1
- ° C-602-2039, Aviation Electrician's Mate Strand Class A1

**Title .....** **Support Equipment Mobile Air Conditioner Intermediate Maintenance**

**CIN .....** D-602-7035

**Model Manager ...** MTU 1007 NAMTRAU Oceana

**Description .....** This course provides the Aviation Support Equipment Technician the knowledge and skills related to mobile air conditioners, including:

- Environmental Control Unit maintenance
- A/M32C-17 Mobile Air Conditioner maintenance
- A/M32C-21 Aircraft Mobile Air Conditioner maintenance
- EPA Freon certification maintenance
- Freon recovery and EPA requirements
- Electrical theory application

Upon completion, the student will be able to perform repairs on mobile air conditioners in a shop environment under limited supervision.

**Location .....** MTU 1007 NAMTRAU Oceana

**Length .....** 53 days

**RFT date .....** Currently available

**Skill identifier ....** AS 7603

**TTE/TD .....** A/M 32C-17 Air Conditioning Unit

**Prerequisite .....** C-602-2026, Aviation Support Equipment Technician Class A1

<b>Title .....</b>	<b>Aircraft Non-Destructive Inspection Technician Class C1</b>
CIN .....	C-603-3191
Model Manager ...	Naval Air Technical Training Center (NATTC) Pensacola, Florida
Description .....	<p>This course provides training to Aviation Structural Mechanics related to aircraft Non-Destructive Inspection (NDI), including:</p> <ul style="list-style-type: none"> <li>◦ Theory, principles, and performance of: <ul style="list-style-type: none"> <li>- Liquid penetrant</li> <li>- Magnetic particle</li> <li>- Eddy current</li> <li>- Ultrasonic</li> <li>- Radiographic</li> <li>- Composite material NDI methods</li> </ul> </li> <li>◦ Theory, principles, and application of: <ul style="list-style-type: none"> <li>- Optical inspection equipment</li> <li>- Gaseous leak detection equipment</li> <li>- Magnetic rubber</li> <li>- Electrical conductivity measurement equipment</li> <li>- Hardness testing</li> <li>- Ultrasonic leak detection equipment</li> </ul> </li> <li>◦ Radiation safety procedures</li> <li>◦ Current NDI publications, specifications, responsibilities</li> </ul> <p>Upon completion, the student will be able to perform aircraft nondestructive inspections in a shop environment under limited supervision.</p>
Location .....	NATTC Pensacola
Length .....	102 days
RFT date .....	Currently available
Skill identifier ....	<ul style="list-style-type: none"> <li>◦ AMS 7225</li> <li>◦ MOS 6044</li> </ul>
TTE/TD .....	No major TTE or TD is required to support this training
Prerequisite .....	<ul style="list-style-type: none"> <li>◦ C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1</li> <li>◦ C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Organizational Level Strand Class A1</li> </ul>

**Title .....** **Airframes Intermediate Maintenance**  
**CIN .....** E-603-4007  
**Model Manager ...** MTU 1038 NAMTRAU Lemoore  
**Description .....** This course provides the Aviation Structural Mechanic the knowledge and skills related to airframes and composite material intermediate maintenance, including:

- Advanced Composite Materials Repair
- Evaluation and Repair Criteria
- Repair Procedures and Processes

Upon completion of the course, the student will be able to perform repairs to advanced composite materials in a shop environment under limited supervision.

**Location .....** MTU 1038 NAMTRAU Lemoore  
**Length .....** 29 days  
**RFT date .....** Currently available  
**Skill identifier ....**

- AMS 7232
- MOS 6092

**TTE/TD .....** No major TTE or TD is required to support this training  
**Prerequisites.....**

- C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1
- C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Organizational Level Strand Class A1

**(3) SELRES.** Selected Reserve personnel may earn intermediate level maintenance NECs by attending formal training at NAMTRAUs providing a quota and funding are available, and the student is available to attend the training. Specific guidelines are contained in NAVPERS 18068F Volume II, Chapter IV, Navy Enlisted Classifications.

### c. Student Profiles

<b>SKILL IDENTIFIER</b>	<b>PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS</b>
1311	<ul style="list-style-type: none"> <li>◦ E-2D-0039, Survival Evasion Resistance, and Escape</li> <li>◦ P-7C-0025, Navy Leader Development Program Division Officer</li> <li>◦ B-322-0042, Refresher Aerospace Physiology Helicopter Training</li> <li>◦ B-9E-1226, Naval Aviation Water Survival Program R-3</li> <li>◦ C-495-0413, Shipboard Aircraft Fire Fighting</li> </ul>

<b>SKILL IDENTIFIER</b>	<b>PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS</b>
AD 6424	<ul style="list-style-type: none"> <li>° C-601-2011, Aviation Machinist's Mate Common Core Class A1</li> <li>° C-601-2012, Aviation Machinist's Mate Helicopter Fundamentals Strand Class A1</li> </ul>
AD 8225	<ul style="list-style-type: none"> <li>° C-601-2011, Aviation Machinist's Mate Common Core Class A1</li> <li>° C-601-2012, Aviation Machinist's Mate Helicopter Fundamentals Strand Class A1</li> <li>° D-2D-0039, Survival, Evasion, Resistance, and Escape</li> <li>° B-9E-1226, Naval Aviation Water Survival Program R3</li> <li>° B-322-0042, Refresher Aerospace Physiology Helicopter Training</li> <li>° Q-050-1500, Naval Aircrew Candidate School</li> </ul>
AD 8226	<ul style="list-style-type: none"> <li>° C-601-2011, Aviation Machinist's Mate Common Core Class A1</li> <li>° C-601-2012, Aviation Machinist's Mate Helicopter Fundamentals Strand Class A1</li> <li>° D-050-2791, MH-53E Fleet Replacement Aircrew (Utility) Category Pipeline</li> </ul>
AD 8303	<ul style="list-style-type: none"> <li>° C-601-2011, Aviation Machinist's Mate Common Core Class A1</li> <li>° C-601-2012, Aviation Machinist's Mate Helicopter Fundamentals Strand Class A1</li> <li>° D-601-2722, CH/MH-53E Power Plants and Related Systems (Initial) Organizational Maintenance</li> </ul>
AD 8391	<ul style="list-style-type: none"> <li>° C-601-2011, Aviation Machinist's Mate Common Core Class A1</li> <li>° C-601-2012, Aviation Machinist's Mate Helicopter Fundamentals Strand Class A1</li> <li>° D-601-2723, AMCM Mechanical Systems (Initial) Maintenance</li> </ul>
AD 8803	<ul style="list-style-type: none"> <li>° C-601-2011, Aviation Machinist's Mate Common Core Class A1</li> <li>° C-601-2012, Aviation Machinist's Mate Helicopter Fundamentals Strand Class A1</li> </ul>
AD 8891	<ul style="list-style-type: none"> <li>° C-601-2011, Aviation Machinist's Mate Common Core Class A1</li> <li>° C-601-2012, Aviation Machinist's Mate Helicopter Fundamentals Strand Class A1</li> </ul>
AE 7105	<ul style="list-style-type: none"> <li>° C-100-2020, Avionics Common Core Class A1</li> <li>° C-602-2039, Aviation Electrician's Mate O Level Strand Class A1</li> </ul>

<b>SKILL IDENTIFIER</b>	<b>PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS</b>
AE 7144	<ul style="list-style-type: none"> <li>° C-100-2020, Avionics Common Core Class A1</li> <li>° C-602-2039, Aviation Electrician's Mate O Level Strand Class A1</li> </ul>
AE 8225	<ul style="list-style-type: none"> <li>° C-100-2020, Avionics Common Core Class A1</li> <li>° C-602-2039, Aviation Electrician's Mate O Level Strand Class A1</li> <li>° D-2D-0039, Survival, Evasion, Resistance, and Escape</li> <li>° B-9E-1226, Naval Aviation Water Survival Program R3</li> <li>° B-322-0042, Refresher Aerospace Physiology Helicopter Training</li> <li>° Q-050-1500, Naval Aircrew Candidate School</li> </ul>
AE 8226	<ul style="list-style-type: none"> <li>° C-100-2020, Avionics Common Core Class A1</li> <li>° C-602-2039, Aviation Electrician's Mate O Level Strand Class A1</li> <li>° D-050-2791, MH-53E Utility Aircrewman Category 1 Pipeline</li> </ul>
AE 8303	<ul style="list-style-type: none"> <li>° C-100-2020, Avionics Common Core Class A1</li> <li>° C-602-2039, Aviation Electrician's Mate O Level Strand Class A1</li> <li>° D-602-2753, CH/MH 53E Electrical/Instrument System and Automatic Flight Control System (AFCS) (Initial) Organizational Maintenance</li> </ul>
AE 8391	<ul style="list-style-type: none"> <li>° C-100-2020, Avionics Common Core Class A1</li> <li>° C-602-2039, Aviation Electrician's Mate O Level Strand Class A1</li> <li>° D-602-2754, AMCM Electrical System (Initial) Organizational/Intermediate Maintenance</li> </ul>
AE 8803	<ul style="list-style-type: none"> <li>° C-100-2020, Avionics Common Core Class A1</li> <li>° C-602-2039, Aviation Electrician's Mate O Level Strand Class A1</li> </ul>
AE 8891	<ul style="list-style-type: none"> <li>° C-100-2020, Avionics Common Core Class A1</li> <li>° C-602-2039, Aviation Electrician's Mate O Level Strand Class A1</li> </ul>
AE 9527	<ul style="list-style-type: none"> <li>° C-602-2020, Avionics Common Core Class A1</li> <li>° C-602-2039, Aviation Electrician's Mate O Level Strand Class A1</li> </ul>

<b>SKILL IDENTIFIER</b>	<b>PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS</b>
AME 8225	<ul style="list-style-type: none"> <li>◦ C-602-2033, Aviation Structural Mechanic E (Safety Equipment) Common Core Class A1</li> <li>◦ C-602-2034, Aviation Structural Mechanic E (Safety Equipment) Egress Strand Class A1</li> <li>◦ D-2D-0039, Survival, Evasion, Resistance, and Escape</li> <li>◦ B-9E-1226, Naval Aviation Water Survival Program R3</li> <li>◦ B-322-0042, Refresher Aerospace Physiology Helicopter Training</li> <li>◦ Q-050-1500, Naval Aircrew Candidate School</li> </ul>
AME 8226	<ul style="list-style-type: none"> <li>◦ C-602-2033, Aviation Structural Mechanic E (Safety Equipment) Common Core Class A1</li> <li>◦ C-602-2034, Aviation Structural Mechanic E (Safety Equipment) Egress Strand Class A1</li> <li>◦ D-050-2791, MH-53E Utility Aircrewman Category 1 Pipeline</li> </ul>
AMH 7212	<ul style="list-style-type: none"> <li>◦ C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1</li> <li>◦ C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Organizational Level Strand Class A1</li> </ul>
AMH 8225	<ul style="list-style-type: none"> <li>◦ C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1</li> <li>◦ C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Organizational Level Strand Class A1</li> <li>◦ D-2D-0039, Survival, Evasion, Resistance, and Escape</li> <li>◦ B-9E-1226, Naval Aviation Water Survival Program R3</li> <li>◦ B-322-0042, Refresher Aerospace Physiology Helicopter Training</li> <li>◦ Q-050-1500, Naval Aircrew Candidate School</li> </ul>
AMH 8226	<ul style="list-style-type: none"> <li>◦ C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1</li> <li>◦ C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Organizational Level Strand Class A1</li> <li>◦ D-050-2791, MH-53E Utility Aircrewman Category 1 Pipeline</li> </ul>

<b>SKILL IDENTIFIER</b>	<b>PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS</b>
AMH 8303	<ul style="list-style-type: none"> <li>° C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1</li> <li>° C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Organizational Level Strand Class A1</li> <li>° D-602-2789, CH/MH-53E Airframes and Hydraulic Systems (Initial) Organizational Maintenance</li> </ul>
AMH 8391	<ul style="list-style-type: none"> <li>° C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1</li> <li>° C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Organizational Level Strand Class A1</li> <li>° D-602-2788, AMCM Structures and Hydraulic Systems (Initial) Organizational Maintenance</li> </ul>
AMH 8803	<ul style="list-style-type: none"> <li>° C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1</li> <li>° C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Organizational Level Strand Class A1</li> </ul>
AMH 8891	<ul style="list-style-type: none"> <li>° C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1</li> <li>° C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Organizational Level Strand Class A1</li> </ul>
AMS 7212	<ul style="list-style-type: none"> <li>° C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1</li> <li>° C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Organizational Level Strand Class A1</li> </ul>
AMS 7225	<ul style="list-style-type: none"> <li>° C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1</li> <li>° C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Organizational Level Strand Class A1</li> </ul>
AMS 7232	<ul style="list-style-type: none"> <li>° C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1</li> <li>° C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Organizational Level Strand Class A1</li> </ul>

<b>SKILL IDENTIFIER</b>	<b>PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS</b>
AMS 8225	<ul style="list-style-type: none"> <li>◦ C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1</li> <li>◦ C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Organizational Level Strand Class A1</li> <li>◦ D-2D-0039, Survival, Evasion, Resistance, and Escape</li> <li>◦ B-9E-1226, Naval Aviation Water Survival Program R3</li> <li>◦ B-322-0042, Refresher Aerospace Physiology Helicopter Training</li> <li>◦ Q-050-1500, Naval Aircrew Candidate School</li> </ul>
AMS 8226	<ul style="list-style-type: none"> <li>◦ C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1</li> <li>◦ C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Organizational Level Strand Class A1</li> <li>◦ D-050-2791, MH-53E Utility Aircrewman Category 1 Pipeline</li> </ul>
AMS 8303	<ul style="list-style-type: none"> <li>◦ C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1</li> <li>◦ C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Organizational Level Strand Class A1</li> <li>◦ D-602-2789, CH/MH-53E Airframes and Hydraulic Systems (Initial) Organizational Maintenance</li> </ul>
AMS 8391	<ul style="list-style-type: none"> <li>◦ C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1</li> <li>◦ C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Organizational Level Strand Class A1</li> <li>◦ D-602-2788, AMCM Structures and Hydraulic Systems (Initial) Organizational Maintenance</li> </ul>
AMS 8803	<ul style="list-style-type: none"> <li>◦ C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1</li> <li>◦ C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Organizational Level Strand Class A1</li> </ul>
AMS 8891	<ul style="list-style-type: none"> <li>◦ C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1</li> <li>◦ C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Organizational Level Strand Class A1</li> </ul>
AS 7603	<ul style="list-style-type: none"> <li>◦ C-602-2026, Aviation Support Equipment Technician Class A1</li> </ul>

<b>SKILL IDENTIFIER</b>	<b>PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS</b>
AS 7615	° C-602-2026, Aviation Support Equipment Technician Class A1
AT 6605	° C-100-2020, Avionics Common Core Class A1 ° C-100-2017, Avionics Technician I Level Class A1
AT 6609	° C-100-2020, Avionics Common Core Class A1 ° C-100-2017, Avionics Technician I Level Class A1
AT 6611	° C-100-2020, Avionics Common Core Class A1 ° C-100-2017, Avionics Technician I Level Class A1
AT 7615	° C-100-2020, Avionics Common Core Class A1 ° C-100-2017, Avionics Technician I Level Class A1
AT 8225	° C-100-2020, Avionics Common Core Class A1 ° C-100-2018, Avionics Technician O Level Class A1 ° D-2D-0039, Survival, Evasion, Resistance, and Escape ° B-9E-1226, Naval Aviation Water Survival Program R3 ° B-322-0042, Refresher Aerospace Physiology Helicopter Training ° Q-050-1500, Naval Aircrew Candidate School
AT 8226	° C-100-2020, Avionics Common Core Class A1 ° C-100-2018, Avionics Technician O Level Class A1 ° D-020-2791, MH-53E Utility Aircrewman Category 1 Pipeline
AT 8303	° C-100-2020, Avionics Common Core Class A1 ° C-100-2018, Avionics Technician O Level Class A1 ° D-102-2735, CH/MH-53 COM/NAV/IDENT (CNI) Systems (Initial) Organizational Maintenance
AT 8391	° C-100-2020, Avionics Common Core Class A1 ° C-100-2018, Avionics Technician O Level Class A1 ° D-102-2736 AMCM Electronic Systems (Initial) Organizational/Intermediate Maintenance
AT 8803	° C-100-2020, Avionics Common Core Class A1 ° C-100-2018, Avionics Technician O Level Class A1
AT 8891	° C-100-2020, Avionics Common Core Class A1 ° C-100-2018, Avionics Technician O Level Class A1

<b>SKILL IDENTIFIER</b>	<b>PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS</b>
AT 9527	<ul style="list-style-type: none"> <li>◦ C-100-2020, Avionics Common Core Class A1</li> <li>◦ C-100-2017, Avionics Technician I Level Class A1</li> </ul>
AO 8225	<ul style="list-style-type: none"> <li>◦ C-646-2011, Aviation Ordnanceman Common Core Class A1</li> <li>◦ C-646-2012, Aviation Ordnanceman Airwing Strand Class A1</li> <li>◦ C-646-2013, Aviation Ordnanceman Course Weapons Department Strand Class A1</li> <li>◦ D-2D-0039, Survival, Evasion, Resistance, and Escape</li> <li>◦ B-9E-1226, Naval Aviation Water Survival Program R3</li> <li>◦ B-322-0042, Refresher Aerospace Physiology Helicopter Training</li> <li>◦ Q-050-1500, Naval Aircrew Candidate School</li> </ul>
AO 8226	<ul style="list-style-type: none"> <li>◦ C-646-2011, Aviation Ordnanceman Common Core Class A1</li> <li>◦ C-646-2012, Aviation Ordnanceman Airwing Strand Class A1</li> <li>◦ C-646-2013, Aviation Ordnanceman Course Weapons Department Strand Class A1</li> <li>◦ D-050-2791, MH-53E Utility Aircrewman Category 1 Pipeline</li> </ul>
PR 8225	<ul style="list-style-type: none"> <li>◦ C-602-2035, Aircrew Survival Equipmentman Common Core Class A1</li> <li>◦ D-2D-0039, Survival, Evasion, Resistance, and Escape</li> <li>◦ B-9E-1226, Naval Aviation Water Survival Program R3</li> <li>◦ B-322-0042, Refresher Aerospace Physiology Helicopter Training</li> <li>◦ Q-050-1500, Naval Aircrew Candidate School</li> </ul>
PR 8226	<ul style="list-style-type: none"> <li>◦ C-602-2035, Aircrew Survival Equipmentman Common Core Class A1</li> <li>◦ D-050-2791, MH-53E Utility Aircrewman Category 1 Pipeline</li> </ul>

**d. Training Pipelines.** MH-53E pilot and aircrew pipelines are established.

Organizational and intermediate level maintenance training tracks and courses listed under follow-on training are available in the OPNAV Aviation Training Management System (OATMS). Organizational and intermediate level maintenance training tracks and courses necessary to support the MH-53E training program are established and will be revised to incorporate changes to provide training on the new T-64-GE-419 Engines, AN/ARN-152 GPS, and AN/ARC-210(V) Radio System. Consequently, two other MH-53E Pilot Instructors Under Training courses for HMT-302 and AWSTS are being evaluated at this time. Updates to this NTSP will include the two Pilot Instructor courses for the MH-53E.

## I. ONBOARD (IN-SERVICE) TRAINING

## **1. Proficiency or Other Training Organic to the New Development**

**a. Maintenance Training Improvement Program.** MTIP is a training management tool that, through diagnostic testing, identifies individual knowledge deficiencies at the organizational and intermediate levels of maintenance. MTIP was implemented per OPNAVINST 4790.2 series. MTIP is being replaced by the Aviation Maintenance Continuum System (AMTCS). Current planning is for AMTCS to begin full implementation for fleet deployment in FY01.

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

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

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

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

**2. Personnel Qualification Standards.** Aircrew Personnel Qualification Standards requirements are used as the onboard proficiency training methodology.

**3. Other Onboard or In-Service Training Packages.** NA

## J. LOGISTICS SUPPORT

**1. Manufacturer and Contract Numbers.** Sikorsky Aircraft is the prime contractor. General Electric manufactures the T64-GE-416/416A and T64-GE-419 engines.

SYSTEM	CONTRACT NUMBER	MANUFACTURER	ADDRESS
MH-53E Helicopter	N00019-82-C-0127 N00019-91-C-0095	Sikorsky Aircraft Corporation	6900 Main Street Stratford, CT 06614
T64-GE-419 Engine	N00019-88-C-0078	General Electric	Previously located in Lynn, MA
Main Gearbox ECP	Not awarded to date		

**2. Program Documentation.** The last approved Integrated Logistics Support Plan (ILSP) for the MH-53E Helicopter, document number AC-051D, is dated November 1990. The ILSP was updated on 15 October 1992.

**3. Technical Data Plan.** The organizational level maintenance manuals have been rewritten to integrate MH-53E and CH-53E Helicopters technical data into a single series of manuals, the A1-H53CE series. There are three exceptions that have not been combined with CH-53E data: MH-53E Naval Air Training and Operating Procedures Standardization (NATOPS), connector and wiring harness repair, and wire data. Sikorsky delivered the updated manuals to the Navy in April 1995 and they were available to the fleet in June 1995. The organizational level maintenance manuals will also be updated to include modifications to the MH-53E helicopter.

MH-53E Helicopter intermediate and depot level maintenance manuals are updated as changes are made to the helicopter. Sikorsky provided supplemental manuals on the T64-GE-419 engine on 30 September 1995. The updated organizational manual for the T64-GE-419 engine is available to the fleet.

**4. Test Sets, Tools, and Test Equipment.** A support equipment modification of the Number 2 Engine Adapters has been approved to accommodate the T64-GE-419 engine. If special equipment is required to support the main gearbox ECP, it will be included in future updates to this NTSP.

**5. Repair Parts.** The Material Support Date (MSD) has been achieved for the MH-53E Helicopter common and peculiar items. MSD for the T64-GE-419 was July 1996.

**6. Human Systems Integration.** NA

## K. SCHEDULES

**1. Installation and Delivery Schedules.** Forty-four MH-53E helicopters have been delivered to the Navy. MH-53E deliveries to HM-14 and HM-15 (including Reserves) are completed. HC-4 transitioned from CH-53E to MH-53E Helicopters on a one-for-one basis, for a total of nine aircraft. This transition took place between April and September 1995. The MH-53E minor Airframe Change modifications are depicted below.

### INSTALLATION SCHEDULE (NUMBER OF AIRCRAFT)

SYSTEM	AFC NUMBER	TOTAL AIRCRAFT INCORPORATED
Exterior Lights for the NVG	AFC 479 Part 4	2
#2 Engine Thermal Fire Detector	AFC 483	18
Tail Rotor Drive Shaft Disconnect Coupling Monitor	AFC 440	On hold
AN/ARC-151(V) GPS	AFC 453 Part 4	1
T64-GE-419 Engine	AFC 440RA	14

**Note:** MH-53E Airframe Changes are currently being installed.

**2. Ready For Operational Use Schedule.** The MH-53E Helicopter is Ready For Operational Use upon delivery to the activity after completion of aircraft conditional inspection.

**3. Time Required to Install at Operational Sites.** NA

**4. Foreign Military Sales and Other Source Delivery Schedule.** For the Japanese FMS schedules contact H-53 FMS, Cherry Point, PMA226-0121.

**5. Training Device and Technical Training Equipment Delivery Schedule.** The following schedule depicts the aircrew simulators and maintenance trainers developed for MH-53E Helicopter training.

**a. Aircrew.** The OFT (with full day and night visual) and AMCM trainers are located at AWSTS, Norfolk.

<b>DEVICE</b>	<b>DATE REQUIRED</b>
OFT Device 2F141.....	Onboard
* Mk-105 Trainer.....	Onboard
* AN/AQS-14 Console Simulator.....	Onboard
AMCM Stream and Recovery Module.....	Onboard
MH-53E CBT System.....	Onboard
GPS/PNS Trainer.....	Onboard

\* Also applicable to maintenance training.

**b. Maintenance.** MH-53E maintenance trainers are located at MTU 1031 NAMTRAU, Norfolk.

<b>DEVICE</b>	<b>DATE REQUIRED</b>
Composite Maintenance Trainer .....	Onboard
AFCS Maintenance Trainer .....	Onboard
Landing Gear - Ramp System.....	Onboard
Fuel Systems Part Task Trainer .....	Onboard

## **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>
MH-53E ILSP	AC-051D	PMA261	Approved Oct 92
CH-53D/E Helicopter	A-50-7604G/P	PMA261	Proposed Oct 00
Aircraft Survivability Equipment (ASE)	A-50-8302C/A	PMA272	Approved Dec 94
AN/APN-217(V) Radar Navigation Set	A-50-8814B/A	PMA209	Approved Mar 96
AN/ARN-118(V) Tactical Air Navigation (TACAN)	A-50-8307B/A	AIR-533	Approved Sep 94

<b>DOCUMENT OR NTSP TITLE</b>	<b>DOCUMENT OR NTSP NUMBER</b>	<b>PDA CODE</b>	<b>STATUS</b>
AN/ARC-182(V) Radio Set	A-50-8115C/A	PMA109	Approved Nov 96

## **PART II - BILLET AND PERSONNEL REQUIREMENTS**

The following elements are not affected by the MH-53E and, therefore, are not included in Part II of this NTSP:

### **II.A. Billet Requirements**

- II.A.2.a. Operational and Fleet Support Activity Deactivation Schedule**
- II.A.2.b. Billets to be deleted in Operational and Fleet Support Activities**
- II.A.2.c. Total Billets to be deleted in Operational and Fleet Support Activities**

## PART II - BILLET AND PERSONNEL REQUIREMENTS

### II.A. BILLET REQUIREMENTS

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

**SOURCE:** Total Force Manpower Management System  
 Extract from Table of Manpower Requirements, TFS, MCCDC

**DATE:** 10/01/00  
 10/01/00

ACTIVITY, UIC	PFYs	CFY01	FY02	FY03	FY04	FY05
OPERATIONAL ACTIVITIES - NAVY						
HC-4	52959	1	0	0	0	0
HC-4 Shore Component	55248	1	0	0	0	0
HM-14	53827	1	0	0	0	0
HM-15	55201	1	0	0	0	0
<b>TOTAL:</b>	4	0	0	0	0	0
FLEET SUPPORT ACTIVITIES - NAVY						
NAVRTYWING	39784	1	0	0	0	0
NAVSURFWARcen	61331	1	0	0	0	0
<b>TOTAL:</b>	2	0	0	0	0	0
FLEET SUPPORT ACTIVITIES - USMC						
HMT-302	55203	1	0	0	0	0
<b>TOTAL:</b>	1	0	0	0	0	0

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
OPERATIONAL ACTIVITIES - NAVY					
<b>HC-4, 52959</b>					
ACDU					
	36	0	1311		
	6	0	7340	8190	
	0	8	AD1	8303	
	0	9	AD2	8303	
	0	9	AD3	8803	
	0	9	ADAN	8803	
	0	4	AE1	8303	
	0	6	AE2	8303	
	0	3	AE3	8803	
	0	9	AEAN	8803	
	0	6	AK2		
	0	2	AMHC	8303	
	0	3	AMH1	8303	
	0	1	AMH1	8303	9595
	0	2	AMH2	8303	
	0	10	AMH3	8803	
	0	12	AMHAN	8803	
	0	1	AMSC	8303	
	0	3	AMS1	8303	
	0	1	AMS1	8303	9595
	0	3	AMS2	7225	8303
	0	3	AMS2	8303	
	0	3	AMS3	7225	8803
	0	3	AMS3	8803	
	0	6	AMSAN	8803	
	0	3	APOCS		
	0	3	APOC		
	0	3	APO1	8225	
	0	15	APO2	8225	
	0	9	APO3	8225	
	0	9	APOAN	8225	
	0	4	AT1	8303	
	0	6	AT2	8303	
	0	3	AT3	8803	
	0	6	ATAN	8803	
	0	6	AZ2		
	0	6	PR2		
	0	21	AN		
<b>ACTIVITY TOTAL:</b>	42	210			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
<b>HC-4 Shore Component, 55248</b>					
ACDU	2	0	1312		
	1	0	1520	8176	
	1	0	2102		
	1	0	6330		
	0	1	AKC		
	0	1	AK1		
	0	1	AK2		9590
	0	1	APOCM	8300	
	0	2	APOCS		
	0	1	APO1		
	0	1	APO1		9595
	0	5	APO2		
	0	1	AZ1	6315	
	0	2	AZ2		
	0	1	AZAN		
	0	1	NC1		
	0	1	POCM		9580
	0	1	PO1		
	0	4	PO2		
	0	2	PO3		
	0	1	IT3		
	0	1	IT3	2735	
	0	1	YNC		
	0	1	YN1		
	0	1	YN2		
	0	2	YN3		
	0	3	YNSN		
	0	18	AN		
<b>ACTIVITY TOTAL:</b>	5	54			
<b>HM-14, 53827</b>					
ACDU	25	0	1311		
	1	0	1630		
	1	0	2102		
	1	0	3100		
	1	0	6330		
	1	0	6380		
	2	0	7340	8176	
	0	3	ADC	8303	
	0	5	AD1	8303	
	0	1	AD1	8391	
	0	4	AD2	8303	
	0	1	AD2	8391	
	0	2	AD3	6424	
	0	4	AD3	8803	
	0	2	AD3	8891	
	0	5	ADAN	8803	
	0	1	ADAN	8891	
	0	5	AE1	8303	

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
ACDU	0	1	AE1	8391	
	0	6	AE2	8308	
	0	1	AE2	8391	
	0	2	AE3	7144	7105
	0	3	AE3	8803	
	0	2	AE3	8891	
	0	5	AEAN	8803	
	0	2	AEAN	8891	
	0	1	AK1		
	0	2	AK2		9590
	0	2	AK2		
	0	1	AK3		
	0	1	AMHC	8303	
	0	3	AMH1	8303	
	0	1	AMH1	8303	9595
	0	1	AMH1	8391	
	0	6	AMH2	8303	
	0	2	AMH2	8391	
	0	2	AMH3	7212	
	0	3	AMH3	8803	
	0	4	AMH3	8891	
	0	4	AMHAN	8803	
	0	3	AMHAN	8891	
	0	3	AMS1	8303	
	0	1	AMS1	8303	9595
	0	2	AMS1	8391	
	0	2	AMS2	7225	
	0	1	AMS2	7232	
	0	2	AMS2	8303	
	0	2	AMS2	8391	
	0	4	AMS3	8803	
	0	2	AMS3	8891	
	0	3	AMSAN	8803	
	0	3	AMSAN	8891	
	0	2	AO1	0812	
	0	1	AO2		
	0	1	AO3		
	0	1	AOAN		
	0	6	APOCS		
	0	2	APOCS	8226	
	0	8	APOC		
	0	2	APOC	8226	9502
	0	3	APO1		
	0	11	APO1	8226	9502
	0	34	APO2	8226	9502
	0	2	APO3		
	0	30	APO3	8226	
	0	16	APOAN	8226	
	0	1	AS2	7603	

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
ACDU	0	4	AT1	8303	
	0	2	AT1	8391	
	0	1	AT2	6611	6609
	0	2	AT2	8303	
	0	5	AT2	8391	
	0	2	AT2	8391	9526
	0	2	AT3	6605	6612
	0	3	AT3	8803	
	0	1	AT3	8891	
	0	1	AT3	8891	9526
	0	3	ATAN	8803	
	0	1	AZC		
	0	1	AZ1		
	0	1	AZ1	6315	
	0	3	AZ2		
	0	2	AZ3		
	0	6	AZAN		
	0	1	BMC	0107	
	0	1	BM1		
	0	1	BM1	0107	
	0	1	BM2		
	0	2	BM3		
	0	1	BM3	0107	
	0	1	CE2	5635	
	0	1	CMCS		
	0	1	CM1	5805	
	0	2	CM2	5805	
	0	2	CM3		
	0	4	CMSN		
	0	1	DK2	2905	
	0	1	EM2		
	0	2	EN1	4303	
	0	2	EN2	4303	
	0	2	EN3	4303	
	0	2	ENFN		
	0	2	EO3		
	0	1	HM2	8406	
	0	2	MS2		
	0	2	MS3		
	0	2	MSSN		
	0	1	NCC		
	0	1	OSC		
	0	1	OS1		
	0	2	OS2		
	0	1	OS3		
	0	2	OSSN		
	0	1	PNC		
	0	1	PN2		

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
ACDU	0	1	PN3		
	0	1	PNSN		
	0	1	POCM		9580
	0	4	PO2		
	0	3	PR1		
	0	2	PR2		
	0	3	PR3		
	0	2	PRAN		
	0	1	IT1		
	0	1	IT2		
	0	2	IT3		
	0	1	IT3	2735	
	0	1	SK1		
	0	1	SK2		
	0	1	YNC		
	0	1	YN2		
	0	2	YN3		
	0	1	YNSN		
	0	7	SN		
	0	60	AN		
TAR	4	0	1311		
	0	3	AD1	8303	
	0	1	AD2	8303	
	0	1	AD2	8303	9502
	0	2	AD3	8803	
	0	3	ADAN	8803	
	0	2	AE1	8303	
	0	1	AE1	8391	
	0	3	AE2	8303	
	0	2	AE2	8391	
	0	1	AE3	8803	
	0	1	AEAN	8803	
	0	2	AK2		
	0	1	AK2		9590
	0	1	AKAN		
	0	2	AMHC	8303	
	0	2	AMH1	8303	
	0	2	AMH1	8391	
	0	1	AMH2	8303	
	0	3	AMH3	8803	
	0	2	AMH3	8891	
	0	3	AMHAN	8803	
	0	1	AMHAN	8891	
	0	1	AMS1	8303	
	0	1	AMS1	8303	9595
	0	1	AMS2	7232	
	0	1	AMS2	8303	

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
TAR	0	2	AMS3	8803	
	0	1	AMS3	8891	
	0	2	AMSAN	8803	
	0	1	AO1		
	0	1	AO2		
	0	1	AOAN		
	0	1	APOCM	8300	
	0	2	APOCS		
	0	4	APOC		
	0	1	APOC	8226	9502
	0	3	APO1		
	0	2	APO1	8226	9502
	0	1	APO1		9595
	0	4	APO2		
	0	2	APO2	8226	9502
	0	2	APO3	8226	
	0	5	APOAN	8226	
	0	2	AT1	8303	
	0	2	AT1	8391	
	0	1	AT2	6611	6609
	0	1	AT2	8303	
	0	1	AT2	8303	9502
	0	2	AT2	8391	
	0	1	AT3	8803	
	0	1	AT3	8891	
	0	1	ATAN	8803	
	0	1	AZ1		
	0	3	AZ2		
	0	1	AZ3		
	0	1	BM3	0107	
	0	1	DK2	2905	
	0	1	EM2		
	0	1	HM2	8406	
	0	1	NC1		
	0	1	PN1		
	0	1	PO2		
	0	1	PR2		
	0	1	PRAN		
	0	1	YN2		
	0	1	YN3		
	0	1	YNSN		
	0	1	SN		
	0	4	AN		
SELRES	19	0	1311		
	1	0	1520	8190	
	1	0	7340	8176	
	0	2	AD2	8303	

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
SELRES	0	3	AD3	8803	
	0	4	ADAN	8803	
	0	1	ADAN	8891	
	0	1	AE2	8303	
	0	2	AE3	8803	
	0	1	AE3	8891	
	0	5	AEAN	8803	
	0	1	AEAN	8891	
	0	1	AK2		
	0	1	AMH2	8303	
	0	2	AMHAN	8803	
	0	2	AMHAN	8891	
	0	2	AMS2	8303	
	0	1	AMS2	8391	
	0	3	AMS3	8803	
	0	3	AMSAN	8803	
	0	1	AMSAN	8891	
	0	1	AO3		
	0	1	AOAN		
	0	1	APOC	8226	9502
	0	2	APO1	8226	9502
	0	6	APO2		
	0	3	APO2	8226	9502
	0	1	APO3		
	0	4	APO3	8226	
	0	3	APOAN	8226	
	0	1	AS3	7614	
	0	2	AT3	8803	
	0	1	AT3	8891	
	0	1	AT3		9526
	0	2	ATAN	8803	
	0	3	ATAN	8891	
	0	3	AZAN		
	0	1	BMC	0107	
	0	1	BM2	0107	
	0	1	CE2	5635	
	0	2	ENFN		
	0	1	HM2	8406	
	0	1	MS2		
	0	1	MS3		
	0	4	MSSN		
	0	1	OS2		
	0	1	OS3		
	0	1	PNSN		
	0	6	PO2		
	0	2	PR3		
	0	1	IT2		
	0	1	YN3		

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
SELRES	0	35	AN		
	0	2	SN		
<b>ACTIVITY TOTAL:</b>	<b>57</b>	<b>665</b>			
<b>HM-15, 55201</b>					
ACDU	25	0	1311		
	1	0	1630		
	1	0	2102		
	1	0	3100		
	1	0	6330		
	1	0	6380		
	2	0	7340	8176	
	0	3	ADC	8303	
	0	5	AD1	8303	
	0	1	AD1	8391	
	0	4	AD2	8303	
	0	1	AD2	8391	
	0	2	AD3	6424	
	0	4	AD3	8803	
	0	2	AD3	8891	
	0	5	ADAN	8803	
	0	1	ADAN	8891	
	0	5	AE1	8303	
	0	1	AE1	8391	
	0	6	AE2	8303	
	0	1	AE2	8391	
	0	2	AE3	7144	7105
	0	3	AE3	8803	
	0	2	AE3	8891	
	0	5	AEAN	8803	
	0	2	AEAN	8891	
	0	1	AK1		
	0	2	AK2		9590
	0	2	AK2		
	0	1	AK3		
	0	3	AMH1	8303	
	0	1	AMH1	8303	9595
	0	1	AMH1	8391	
	0	6	AMH2	8303	
	0	2	AMH2	8391	
	0	2	AMH3	7212	
	0	3	AMH3	8803	
	0	4	AMH3	8891	
	0	4	AMHAN	8803	
	0	3	AMHAN	8891	
	0	1	AMSC	8303	
	0	3	AMS1	8303	

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
ACDU	0	1	AMS1	8303	9595
	0	2	AMS1	8391	
	0	2	AMS2	7225	
	0	1	AMS2	7232	
	0	2	AMS2	8303	
	0	2	AMS2	8391	
	0	4	AMS3	8803	
	0	2	AMS3	8891	
	0	3	AMSAN	8803	
	0	3	AMSAN	8891	
	0	2	AO1	0812	
	0	1	AO2		
	0	1	AO3		
	0	1	AOAN		
	0	6	APOCS		
	0	2	APOCS	8226	
	0	8	APOC		
	0	2	APOC	8226	9502
	0	3	APO1		
	0	11	APO1	8226	9502
	0	34	APO2	8226	9502
	0	32	APO3	8226	
	0	16	APOAN	8226	
	0	1	AS2	7603	
	0	4	AT1	8303	
	0	2	AT1	8391	
	0	1	AT2	6611	6609
	0	2	AT2	8303	
	0	5	AT2	8391	
	0	2	AT3	6605	6612
	0	3	AT3	8803	
	0	1	AT3	8891	
	0	2	AT3	8891	9526
	0	1	AT3		9526
	0	3	ATAN	8803	
	0	1	AZC		
	0	1	AZ1		
	0	1	AZ1	6315	
	0	3	AZ2		
	0	2	AZ3		
	0	6	AZAN		
	0	1	BMC	0107	
	0	1	BM1		
	0	1	BM1	0107	
	0	1	BM2		
	0	2	BM3		
	0	1	BM3	0107	
	0	1	CE2	5635	

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
ACDU	0	1	CMCS		
	0	1	CM1	5805	
	0	2	CM2	5805	
	0	2	CM3		
	0	4	CMSN		
	0	1	DK2	2905	
	0	1	EM2		
	0	2	EN1	4303	
	0	2	EN2	4303	
	0	2	EN3	4303	
	0	2	ENFN		
	0	2	EO3		
	0	1	HM2	8406	
	0	2	MS2		
	0	2	MS3		
	0	2	MSSN		
	0	1	NCC		
	0	1	OSC		
	0	1	OS1		
	0	2	OS2		
	0	1	OS3		
	0	2	OSSN		
	0	1	PNC		
	0	1	PN2		
	0	1	PN3		
	0	1	PNSN		
	0	1	POCM		9580
	0	4	PO2		
	0	3	PR1		
	0	2	PR2		
	0	3	PR3		
	0	2	PRAN		
	0	1	IT1		
	0	1	IT2		
	0	2	IT3		
	0	1	IT3	2735	
	0	1	SK1		
	0	1	SK2		
	0	1	YNC		
	0	1	YN2		
	0	2	YN3		
	0	1	YNSN		
	0	7	SN		
	0	60	AN		
TAR	4	0	1311		
	0	3	AD1	8303	
	0	1	AD2	8303	

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
TAR	0	1	AD2	8303	9502
	0	2	AD3	8803	
	0	3	ADAN	8803	
	0	2	AE1	8303	
	0	1	AE1	8391	
	0	3	AE2	8303	
	0	2	AE2	8391	
	0	1	AE3	8803	
	0	1	AEAN	8803	
	0	2	AK2		
	0	1	AK2		9590
	0	1	AKAN		
	0	2	AMHC	8303	
	0	2	AMH1	8303	
	0	2	AMH1	8391	
	0	1	AMH2	8303	
	0	3	AMH3	8803	
	0	2	AMH3	8891	
	0	3	AMHAN	8803	
	0	1	AMHAN	8891	
	0	1	AMS1	8303	
	0	1	AMS1	8303	9595
	0	1	AMS2	7232	
	0	1	AMS2	8303	
	0	2	AMS3	8803	
	0	1	AMS3	8891	
	0	2	AMSAN	8803	
	0	1	AO1		
	0	1	AO2		
	0	1	AOAN		
	0	1	APOCM	8300	
	0	2	APOCS		
	0	4	APOC		
	0	1	APOC	8226	9502
	0	3	APO1		
	0	2	APO1	8226	9502
	0	1	APO1		9595
	0	4	APO2		
	0	2	APO2	8226	9502
	0	2	APO3	8226	
	0	5	APOAN	8226	
	0	2	AT1	8303	
	0	2	AT1	8391	
	0	1	AT2	6611	6609
	0	1	AT2	8303	
	0	1	AT2	8303	9502
	0	2	AT2	8391	
	0	1	AT3	8803	

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
TAR	0	1	AT3	8891	
	0	1	ATAN	8803	
	0	1	AZ1		
	0	3	AZ2		
	0	1	AZ3		
	0	1	BM3	0107	
	0	1	DK2	2905	
	0	1	EM2		
	0	1	HM2	8406	
	0	1	NC1		
	0	1	PN1		
	0	1	PO2		
	0	1	PR2		
	0	1	PRAN		
	0	1	YN2		
	0	1	YN3		
	0	1	YNSN		
	0	1	SN		
	0	4	AN		
SELRES	19	0	1311		
	1	0	1520	8190	
	1	0	7340	8176	
	0	2	AD2	8303	
	0	3	AD3	8803	
	0	4	ADAN	8803	
	0	1	ADAN	8891	
	0	1	AE2	8303	
	0	2	AE3	8803	
	0	1	AE3	8891	
	0	5	AEAN	8803	
	0	1	AEAN	8891	
	0	1	AK2		
	0	1	AMH2	8303	
	0	2	AMHAN	8803	
	0	2	AMHAN	8891	
	0	2	AMS2	8303	
	0	1	AMS2	8391	
	0	3	AMS3	8803	
	0	3	AMSAN	8803	
	0	1	AMSAN	8891	
	0	1	AO3		
	0	1	AOAN		
	0	1	APOC	8226	9502
	0	2	APO1	8226	9502
	0	6	APO2		
	0	3	APO2	8226	9502
	0	1	APO3		

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
SELRES	0	4	APO3	8226	
	0	3	APOAN	8226	
	0	1	AS3	7614	
	0	2	AT3	8803	
	0	1	AT3	8891	
	0	1	AT3	9527	
	0	2	ATAN	8803	
	0	3	ATAN	8891	
	0	3	AZAN		
	0	1	BMC	0107	
	0	1	BM2	0107	
	0	1	CE2	5635	
	0	2	ENFN		
	0	1	HM2	8406	
	0	1	MS2		
	0	1	MS3		
	0	4	MSSN		
	0	1	OS2		
	0	1	OS3		
	0	1	PNSN		
	0	6	PO2		
	0	2	PR3		
	0	1	IT2		
	0	1	YN3		
	0	2	SN		
	0	35	AN		
<b>ACTIVITY TOTAL:</b>	57	665			

FLEET SUPPORT ACTIVITIES - NAVY

<b>NAVRTYWING, 39784</b>				
ACDU	1	0	1110	8506
	24	0	1312	
	1	0	1322	
	1	0	1512	8588
	1	0	6330	
	1	0	7180	8199
	0	1	ADCS	
	0	1	ADC	8378
	0	1	AD1	8378
	0	1	AD1	8378
	0	1	AD1	8378
	0	1	AD2	
	0	1	AD2	8225
	0	1	AD2	8226
	0	1	AD2	8378
	0	1	AD3	8878
	0	1	ADAN	8878
	0	1	AEC	8378
	0	1	AEC	8378
				8377

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
ACDU	0	1	AE1	8377	8379
	0	1	AE1	8378	
	0	1	AE1	8378	8303
	0	1	AE1	8378	8377
	0	1	AE2	8226	
	0	1	AE2	8378	8379
	0	2	AE3	8878	
	0	3	AEAN	8878	
	0	1	AKAN		
	0	1	AMH1	8378	8379
	0	2	AMH1	8378	8380
	0	4	AMH3	8878	
	0	2	AMHAN	8878	
	0	1	AMS1	8226	9505
	0	1	AMS1	8377	8303
	0	1	AMS1	8378	8379
	0	1	AMS2	8216	
	0	1	AMS2	8378	
	0	2	AMS3	8878	
	0	3	AMSAN	8878	
	0	1	AO2	8378	
	0	1	ATCS		
	0	1	ATC		
	0	1	ATC	8376	
	0	1	AT1	8376	
	0	1	AT1		8377
	0	2	AT2	8376	
	0	4	AT3	8376	
	0	4	ATAN	8376	
	0	1	AWC	7873	
	0	1	AW1	7873	
	0	1	AW1	7874	7873
	0	4	AW2	7873	
	0	1	AW2	7874	
	0	1	AW2	7874	7873
	0	1	AW2	7874	7876
	0	5	AW2	7876	
	0	1	AZ1		6315
	0	1	AZ2		
	0	1	AZAN		
<b>ACTIVITY TOTAL:</b>	29	78			
<b>NAVSURFWARCEN, 61331</b>					
ACDU	1	0	1310		
	6	0	1312		
	3	0	3100		
	1	0	6330		
	0	1	ADC	8226	
	0	1	ADC	8226	8303
	0	3	AD1	8226	8303

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
ACDU	0	2	AD2	8226	8303
	0	14	AD2	8226	9502
	0	1	AEC	8226	9502
	0	1	AE1	8226	
	0	1	AE1	8226	8303
	0	2	AE2	8303	
	0	1	AE3	8226	8803
	0	1	AK1		
	0	1	AK2		
	0	1	AK3		
	0	1	AMH1	8226	8303
	0	1	AMH3	8226	
	0	1	AMSC	8226	
	0	1	AMS1	8226	8303
	0	1	AMS2	7225	8303
	0	1	AMS2	8226	8303
	0	1	AMS3	8226	
	0	1	AO3		
	0	1	AS1		
	0	1	AT1		
	0	2	AT2		
	0	1	AT2	8303	
	0	1	AT3		
	0	1	AZ1		
	0	2	AZ3		
	0	1	AZAN		
	0	2	PO2		9595
	0	2	PR2		
	0	1	IT1		
	0	2	ITSN		
	0	5	AN		
SELRES	2	0	1310		
	0	6	AD1	8226	
	0	1	AK1		
	0	1	AMS1	8226	9505
	0	1	ASC	7609	
	0	1	AZ2		
	0	1	PR2	7353	
<b>ACTIVITY TOTAL:</b>	<b>13</b>	<b>71</b>			
FLEET SUPPORT ACTIVITIES - USMC					
<b>HMT-302, 55203</b>					
USMC	1	0	6002		
	1	0	6004		
	1	0	6302		
	21	0	7566		
	0	2	CPL	0121	
	0	2	CPL	0151	

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
USMC	0	1	CPL	0431	
	0	1	CPL	6043	
	0	2	CPL	6060	
	0	1	CPL	6094	
	0	1	CPL	6113	
	0	2	CPL	6123	
	0	1	CPL	6132	
	0	8	CPL	6153	
	0	9	CPL	6173	
	0	11	CPL	6323	
	0	2	CPL	6413	
	0	1	CPL	6423	
	0	1	CPL	6492	
	0	1	CPL	6531	
	0	1	CPL	6672	
	0	1	CPL	7041	
	0	1	GYSGT	0193	
	0	2	GYSGT	6113	
	0	2	GYSGT	6153	
	0	1	GYSGT	6173	
	0	3	GYSGT	6323	
	0	1	LCPL	0121	
	0	1	LCPL	0151	
	0	1	LCPL	2111	
	0	1	LCPL	5711	
	0	1	LCPL	6042	
	0	2	LCPL	6046	
	0	3	LCPL	6060	
	0	5	LCPL	6072	
	0	2	LCPL	6073	
	0	2	LCPL	6092	
	0	2	LCPL	6094	
	0	30	LCPL	6113	
	0	3	LCPL	6123	
	0	3	LCPL	6132	
	0	11	LCPL	6153	
	0	10	LCPL	6173	
	0	9	LCPL	6323	
	0	2	LCPL	6412	
	0	6	LCPL	6413	
	0	5	LCPL	6433	
	0	1	LCPL	6483	
	0	2	LCPL	6492	
	0	7	LCPL	6672	
	0	1	LCPL	7041	
	0	1	LCPL	6042	
	0	1	MGYSGT	6119	
	0	1	MGYSGT	6391	
	0	1	MSGT	6119	
	0	1	SGT	0151	
	0	1	SGT	6044	

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
USMC					
	0	2	SGT	6045	
	0	1	SGT	6047	
	0	1	SGT	6060	
	0	1	SGT	6094	
	0	8	SGT	6113	
	0	1	SGT	6123	
	0	1	SGT	6153	
	0	3	SGT	6173	
	0	6	SGT	6323	
	0	1	SGT	6412	
	0	2	SGT	6433	
	0	1	SGT	6483	
	0	1	SGT	6531	
	0	1	SGTMAJ	9999	
	0	2	SSGT	6047	
	0	1	SSGT	6060	
	0	5	SSGT	6113	
	0	4	SSGT	6153	
	0	2	SSGT	6173	
	0	2	SSGT	6323	
	0	3	SSGT	6414	
	0	1	SSGT	7041	
	0	1	SSGT	8421	
	0	1	SSGT	8711	
	0	1	LCPL	6531	
HMT-302, 55203					
ACDU	1	0	1310		
	5	0	1311		
	1	0	2102		
	0	2	7232	7225	
	0	1	AD1	8303	
	0	1	AD2	6424	
	0	1	AD2	8226	
	0	1	AD2	8303	
	0	2	AD3	6424	
	0	1	AD3	8211	
	0	4	AD3	8226	
	0	2	AD3	8803	
	0	1	ADAN	6428	
	0	1	ADAN	8211	
	0	5	ADAN	8803	
	0	1	AEC	8303	
	0	1	AE2	8303	
	0	3	AE3	7144	
	0	1	AE3	8803	
	0	3	AEAN	8803	
	0	1	AFCM	8300	
	0	2	AK2	8011	
	0	1	AMH2	8303	
	0	1	AMH3	8803	

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
ACDU	0	1	AMHAN	7212	
	0	2	AMHAN	8803	
	0	1	AMS1	8303	
	0	1	AMS3	7212	
	0	1	AMS3	8803	
	0	2	AMSAN	8803	
	0	1	ATC	6612	
	0	1	AT1	8303	
	0	1	AT2	6612	
	0	1	AT3	6612	
	0	2	AT3	8803	
	0	1	ATAN	6612	
	0	2	ATAN	8803	
	0	1	AZ1	6315	
	0	1	AZAN		
	0	1	HM2	8406	
	0	1	HM3	8404	
	0	1	PR2		
	0	2	PRAN		
	0	1	YN1		9688
	0	1	YN2		
<b>ACTIVITY TOTAL:</b>	31	289			

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY01		FY02		FY03		FY04		FY05	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NAVY OPERATIONAL ACTIVITIES - ACDU													
1311		86		0		0		0		0		0	
1312		2		0		0		0		0		0	
1520	8176	1		0		0		0		0		0	
1630		2		0		0		0		0		0	
2102		3		0		0		0		0		0	
3100		2		0		0		0		0		0	
6330		3		0		0		0		0		0	
6380		2		0		0		0		0		0	
7340	8176	4		0		0		0		0		0	
7340	8190	6		0		0		0		0		0	
ADC	8303		6		0		0		0		0		0
AD1	8303		18		0		0		0		0		0
AD1	8391		2		0		0		0		0		0
AD2	8303		17		0		0		0		0		0
AD2	8391		2		0		0		0		0		0
AD3	6424		4		0		0		0		0		0
AD3	8803		17		0		0		0		0		0
AD3	8891		4		0		0		0		0		0
ADAN	8803		19		0		0		0		0		0
ADAN	8891		2		0		0		0		0		0
AE1	8303		14		0		0		0		0		0
AE1	8391		2		0		0		0		0		0
AE2	8303		12		0		0		0		0		0
AE2	8308		6		0		0		0		0		0
AE2	8391		2		0		0		0		0		0
AE3	7144	7105	4		0		0		0		0		0
AE3	8803		9		0		0		0		0		0
AE3	8891		4		0		0		0		0		0
AEAN	8803		19		0		0		0		0		0
AEAN	8891		4		0		0		0		0		0
AKC			1		0		0		0		0		0
AK1			3		0		0		0		0		0
AK2		9590	10		0		0		0		0		0
AK2			5		0		0		0		0		0
AK3			2		0		0		0		0		0
AMHC	8303		3		0		0		0		0		0
AMH1	8303		9		0		0		0		0		0
AMH1	8303	9595	3		0		0		0		0		0
AMH1	8391		2		0		0		0		0		0
AMH2	8303		14		0		0		0		0		0
AMH2	8391		4		0		0		0		0		0
AMH3	7212		4		0		0		0		0		0
AMH3	8803		16		0		0		0		0		0
AMH3	8891		8		0		0		0		0		0
AMHAN	8803		20		0		0		0		0		0
AMHAN	8891		6		0		0		0		0		0
AMSC	8303		2		0		0		0		0		0
AMS1	8303		9		0		0		0		0		0

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY01		FY02		FY03		FY04		FY05	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
AMS1	8303 9595		3		0		0		0		0		0
AMS1	8391		4		0		0		0		0		0
AMS2	7225		4		0		0		0		0		0
AMS2	7225 8303		3		0		0		0		0		0
AMS2	7232		2		0		0		0		0		0
AMS2	8303		7		0		0		0		0		0
AMS2	8391		4		0		0		0		0		0
AMS3	7225 8803		3		0		0		0		0		0
AMS3	8803		11		0		0		0		0		0
AMS3	8891		4		0		0		0		0		0
AMSAN	8803		12		0		0		0		0		0
AMSAN	8891		6		0		0		0		0		0
AO1	0812		4		0		0		0		0		0
AO2			2		0		0		0		0		0
AO3			2		0		0		0		0		0
AOAN			2		0		0		0		0		0
APOCM	8300		1		0		0		0		0		0
APOCS			17		0		0		0		0		0
APOCS	8226		4		0		0		0		0		0
APOC			19		0		0		0		0		0
APOC	8226 9502		4		0		0		0		0		0
APO1			7		0		0		0		0		0
APO1		9595	1		0		0		0		0		0
APO1	8225		3		0		0		0		0		0
APO1	8226 9502		22		0		0		0		0		0
APO2			5		0		0		0		0		0
APO2	8225		15		0		0		0		0		0
APO2	8226 9502		68		0		0		0		0		0
APO3			2		0		0		0		0		0
APO3	8225		9		0		0		0		0		0
APO3	8226		62		0		0		0		0		0
APOAN	8225		9		0		0		0		0		0
APOAN	8226		32		0		0		0		0		0
AS2	7603		2		0		0		0		0		0
AT1	8303		12		0		0		0		0		0
AT1	8391		4		0		0		0		0		0
AT2	6611 6609		2		0		0		0		0		0
AT2	8303		10		0		0		0		0		0
AT2	8391		10		0		0		0		0		0
AT2	8391 9526		2		0		0		0		0		0
AT3	9526		1		0		0		0		0		0
AT3	6605 6612		4		0		0		0		0		0
AT3	8803		9		0		0		0		0		0
AT3	8891		2		0		0		0		0		0
AT3	8891 9526		3		0		0		0		0		0
ATAN	8803 12		0		0		0		0		0		0
AZC			2		0		0		0		0		0
AZ1			2		0		0		0		0		0
AZ1	6315		3		0		0		0		0		0
AZ2			14		0		0		0		0		0

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY01		FY02		FY03		FY04		FY05	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
AZ3		4		0		0		0		0		0	
AZAN		13		0		0		0		0		0	
BMC	0107	2		0		0		0		0		0	
BM1		2		0		0		0		0		0	
BM1	0107	2		0		0		0		0		0	
BM2		2		0		0		0		0		0	
BM3		4		0		0		0		0		0	
BM3	0107	2		0		0		0		0		0	
CE2	5635	2		0		0		0		0		0	
CMCS		2		0		0		0		0		0	
CM1	5805	2		0		0		0		0		0	
CM2	5805	4		0		0		0		0		0	
CM3		4		0		0		0		0		0	
CMSN		8		0		0		0		0		0	
DK2	2905	2		0		0		0		0		0	
EM2		2		0		0		0		0		0	
EN1	4303	4		0		0		0		0		0	
EN2	4303	4		0		0		0		0		0	
EN3	4303	4		0		0		0		0		0	
ENFN		4		0		0		0		0		0	
EO3		4		0		0		0		0		0	
HM2	8406	2		0		0		0		0		0	
MS2		4		0		0		0		0		0	
MS3		4		0		0		0		0		0	
MSSN		4		0		0		0		0		0	
NCC		2		0		0		0		0		0	
NC1		1		0		0		0		0		0	
OSC		2		0		0		0		0		0	
OS1		2		0		0		0		0		0	
OS2		4		0		0		0		0		0	
OS3		2		0		0		0		0		0	
OSSN		4		0		0		0		0		0	
PNC		2		0		0		0		0		0	
PN2		2		0		0		0		0		0	
PN3		2		0		0		0		0		0	
PNSN		2		0		0		0		0		0	
POCM	9580	3		0		0		0		0		0	
PO1		1		0		0		0		0		0	
PO2		12		0		0		0		0		0	
PO3		2		0		0		0		0		0	
PR1		6		0		0		0		0		0	
PR2		10		0		0		0		0		0	
PR3		6		0		0		0		0		0	
PRAN		4		0		0		0		0		0	
IT1		2		0		0		0		0		0	
IT2		2		0		0		0		0		0	
IT3		5		0		0		0		0		0	
IT3	2735	3		0		0		0		0		0	
SK1		2		0		0		0		0		0	
SK2		2		0		0		0		0		0	
YNC		3		0		0		0		0		0	

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY01		FY02		FY03		FY04		FY05	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
YN1		1		0		0		0		0		0	
YN2		3		0		0		0		0		0	
YN3		6		0		0		0		0		0	
YNSN		5		0		0		0		0		0	
SN		14		0		0		0		0		0	
AN		159		0		0		0		0		0	
NAVY OPERATIONAL ACTIVITIES - TAR													
1311		8		0		0		0		0		0	
AD1	8303		6		0		0		0		0		0
AD2	8303		2		0		0		0		0		0
AD2	8303	9502	2		0		0		0		0		0
AD3	8803		4		0		0		0		0		0
ADAN	8803		6		0		0		0		0		0
AE1	8303		4		0		0		0		0		0
AE1	8391		2		0		0		0		0		0
AE2	8303		6		0		0		0		0		0
AE2	8391		4		0		0		0		0		0
AE3	8803		2		0		0		0		0		0
AEAN	8803		2		0		0		0		0		0
AK2		4		0		0		0		0		0	
AK2		9590	2		0		0		0		0		0
AKAN		2		0		0		0		0		0	
AMHC	8303		4		0		0		0		0		0
AMH1	8303		4		0		0		0		0		0
AMH1	8391		4		0		0		0		0		0
AMH2	8303		2		0		0		0		0		0
AMH3	8803		6		0		0		0		0		0
AMH3	8891		4		0		0		0		0		0
AMHAN	8803		6		0		0		0		0		0
AMHAN	8891		2		0		0		0		0		0
AMS1	8303		2		0		0		0		0		0
AMS1	8303	9595	2		0		0		0		0		0
AMS2	7232		2		0		0		0		0		0
AMS2	8303		2		0		0		0		0		0
AMS3	8803		4		0		0		0		0		0
AMS3	8891		2		0		0		0		0		0
AMSAN	8803		4		0		0		0		0		0
AO1		2		0		0		0		0		0	
AO2		2		0		0		0		0		0	
AOAN		2		0		0		0		0		0	
APOCM	8300		2		0		0		0		0		0
APOCS		4		0		0		0		0		0	
APOC		8		0		0		0		0		0	
APOC	8226	9502	2		0		0		0		0		0
APO1		6		0		0		0		0		0	
APO1		9595	2		0		0		0		0		0
APO1	8226	9502	4		0		0		0		0		0
APO2		8		0		0		0		0		0	
APO2	8226	9502	4		0		0		0		0		0

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY01		FY02		FY03		FY04		FY05	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
APO3	8226		4		0		0		0		0		0
APOAN	8226		10		0		0		0		0		0
AT1	8303		4		0		0		0		0		0
AT1	8391		4		0		0		0		0		0
AT2	6611	6609	2		0		0		0		0		0
AT2	8303		2		0		0		0		0		0
AT2	8303	9502	2		0		0		0		0		0
AT2	8391		4		0		0		0		0		0
AT3	8803		2		0		0		0		0		0
AT3	8891		2		0		0		0		0		0
ATAN	8803		2		0		0		0		0		0
AZ1			2		0		0		0		0		0
AZ2			6		0		0		0		0		0
AZ3			2		0		0		0		0		0
BM3	0107		2		0		0		0		0		0
DK2	2905		2		0		0		0		0		0
EM2			2		0		0		0		0		0
HM2	8406		2		0		0		0		0		0
NC1			2		0		0		0		0		0
PN1			2		0		0		0		0		0
PO2			2		0		0		0		0		0
PR2			2		0		0		0		0		0
PRAN			2		0		0		0		0		0
YN2			2		0		0		0		0		0
YN3			2		0		0		0		0		0
YNSN			2		0		0		0		0		0
SN			2		0		0		0		0		0
AN			8		0		0		0		0		0

### NAVY OPERATIONAL ACTIVITIES - SELRES

1311		38		0		0		0		0		0	
1520	8190	2		0		0		0		0		0	
7340	8176	2		0		0		0		0		0	
AD2	8303		4		0		0		0		0		0
AD3	8803		6		0		0		0		0		0
ADAN	8803		8		0		0		0		0		0
ADAN	8891		2		0		0		0		0		0
AE2	8303		2		0		0		0		0		0
AE3	8803		4		0		0		0		0		0
AE3	8891		2		0		0		0		0		0
AEAN	8803		10		0		0		0		0		0
AEAN	8891		2		0		0		0		0		0
AK2			2		0		0		0		0		0
AMH2	8303		2		0		0		0		0		0
AMHAN	8803		4		0		0		0		0		0
AMHAN	8891		4		0		0		0		0		0
AMS2	8303		4		0		0		0		0		0
AMS2	8391		2		0		0		0		0		0
AMS3	8803		6		0		0		0		0		0
AMSAN	8803		6		0		0		0		0		0

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY01		FY02		FY03		FY04		FY05	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
AMSAN	8891			2	0			0		0		0	0
AO3				2	0			0		0		0	0
AOAN				2	0			0		0		0	0
APOC	8226	9502		2	0			0		0		0	0
APO1	8226	9502		4	0			0		0		0	0
APO2				12	0			0		0		0	0
APO2	8226	9502		6	0			0		0		0	0
APO3				2	0			0		0		0	0
APO3	8226			8	0			0		0		0	0
APOAN	8226			6	0			0		0		0	0
AS3	7614			2	0			0		0		0	0
AT3		9526		1	0			0		0		0	0
AT3	8803			4	0			0		0		0	0
AT3	8891			2	0			0		0		0	0
AT3	9527			1	0			0		0		0	0
ATAN	8803			4	0			0		0		0	0
ATAN	8891			6	0			0		0		0	0
AZAN				6	0			0		0		0	0
BMC	0107			2	0			0		0		0	0
BM2	0107			2	0			0		0		0	0
CE2	5635			2	0			0		0		0	0
ENFN				4	0			0		0		0	0
HM2	8406			2	0			0		0		0	0
MS2				2	0			0		0		0	0
MS3				2	0			0		0		0	0
MSSN				8	0			0		0		0	0
OS2				2	0			0		0		0	0
OS3				2	0			0		0		0	0
PNSN				2	0			0		0		0	0
PO2				12	0			0		0		0	0
PR3				4	0			0		0		0	0
IT2				2	0			0		0		0	0
YN3				2	0			0		0		0	0
SN				4	0			0		0		0	0
AN				70	0			0		0		0	0

**NAVY FLEET SUPPORT ACTIVITIES - ACDU**

1110	8506	1	0	0		0		0		0		0	0
1310		1	0	0		0		0		0		0	0
1312		30	0	0		0		0		0		0	0
1322		1	0	0		0		0		0		0	0
1512	8588	1	0	0		0		0		0		0	0
3100		3	0	0		0		0		0		0	0
6330		2	0	0		0		0		0		0	0
7180	8199	1	0	0		0		0		0		0	0
ADCS			1	0		0		0		0		0	0
ADC	8226		1	0		0		0		0		0	0
ADC	8226	8303	1	0		0		0		0		0	0
ADC	8378	8303	1	0		0		0		0		0	0

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY01		FY02		FY03		FY04		FY05	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
AD1	8226 8303		3		0		0		0		0		0
AD1	8378		1		0		0		0		0		0
AD1	8378 8370		1		0		0		0		0		0
AD1	8378 8377		1		0		0		0		0		0
AD2			1		0		0		0		0		0
AD2	8225		1		0		0		0		0		0
AD2	8226		1		0		0		0		0		0
AD2	8226 8303		2		0		0		0		0		0
AD2	8226 9502		14		0		0		0		0		0
AD2	8378		1		0		0		0		0		0
AD3	8878		1		0		0		0		0		0
ADAN	8878		1		0		0		0		0		0
AEC	8226 9502		1		0		0		0		0		0
AEC	8378		1		0		0		0		0		0
AEC	8378 8377		1		0		0		0		0		0
AE1	8226		1		0		0		0		0		0
AE1	8226 8303		1		0		0		0		0		0
AE1	8377 8379		1		0		0		0		0		0
AE1	8378		1		0		0		0		0		0
AE1	8378 8303		1		0		0		0		0		0
AE1	8378 8377		1		0		0		0		0		0
AE2	8226		1		0		0		0		0		0
AE2	8303		2		0		0		0		0		0
AE2	8378 8378		1		0		0		0		0		0
AE3	8226 8803		1		0		0		0		0		0
AE3	8878		2		0		0		0		0		0
AEAN	8878		3		0		0		0		0		0
AK1			1		0		0		0		0		0
AK2			1		0		0		0		0		0
AK3			1		0		0		0		0		0
AKAN			1		0		0		0		0		0
AMH1	8226 8303		1		0		0		0		0		0
AMH1	8378 8379		1		0		0		0		0		0
AMH1	8378 8380		2		0		0		0		0		0
AMH3	8226		1		0		0		0		0		0
AMH3	8878		4		0		0		0		0		0
AMHAN	8878		2		0		0		0		0		0
AMSC	8226		1		0		0		0		0		0
AMS1	8226 8303		1		0		0		0		0		0
AMS1	8226 9505		1		0		0		0		0		0
AMS1	8377 8303		1		0		0		0		0		0
AMS1	8378 8379		1		0		0		0		0		0
AMS2	7225 8303		1		0		0		0		0		0
AMS2	8216		1		0		0		0		0		0
AMS2	8226 8303		1		0		0		0		0		0
AMS2	8378		1		0		0		0		0		0
AMS3	8226		1		0		0		0		0		0
AMS3	8878		2		0		0		0		0		0

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY01		FY02		FY03		FY04		FY05	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
AMSAN	8878		3		0		0		0		0		0
AO2	8378		1		0		0		0		0		0
AO3			1		0		0		0		0		0
AS1			1		0		0		0		0		0
ATCS			1		0		0		0		0		0
ATC			1		0		0		0		0		0
ATC	8376		1		0		0		0		0		0
AT1			1		0		0		0		0		0
AT1	8377		1		0		0		0		0		0
AT1	8376		1		0		0		0		0		0
AT2			2		0		0		0		0		0
AT2	8303		1		0		0		0		0		0
AT2	8376		2		0		0		0		0		0
AT3			1		0		0		0		0		0
AT3	8376		4		0		0		0		0		0
ATAN	8376		4		0		0		0		0		0
AWC	7873		1		0		0		0		0		0
AW1	7873		1		0		0		0		0		0
AW1	7874	7873	1		0		0		0		0		0
AW2	7873		4		0		0		0		0		0
AW2	7874		1		0		0		0		0		0
AW2	7874	7873	1		0		0		0		0		0
AW2	7874	7876	1		0		0		0		0		0
AW2	7876		5		0		0		0		0		0
AZ1			1		0		0		0		0		0
AZ1	6315		1		0		0		0		0		0
AZ2			1		0		0		0		0		0
AZ3			2		0		0		0		0		0
AZAN			2		0		0		0		0		0
PO2	9595		2		0		0		0		0		0
PR2			2		0		0		0		0		0
IT1			1		0		0		0		0		0
ITSN			2		0		0		0		0		0
AN			5		0		0		0		0		0
<b>NAVY FLEET SUPPORT ACTIVITIES - SELRES</b>													
1310			2		0		0		0		0		0
AD1	8226		6		0		0		0		0		0
AK1			1		0		0		0		0		0
AMS1	8226	9505	1		0		0		0		0		0
ASC	7609		1		0		0		0		0		0
AZ2			1		0		0		0		0		0
PR2	7353		1		0		0		0		0		0
<b>USMC FLEET SUPPORT ACTIVITIES - USMC</b>													
6002			1		0		0		0		0		0
6004			1		0		0		0		0		0
6302			1		0		0		0		0		0
7566			21		0		0		0		0		0
CPL	0121		2		0		0		0		0		0
CPL	0151		2		0		0		0		0		0

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY01		FY02		FY03		FY04		FY05	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
CPL	0431			1	0			0		0		0	0
CPL	6043			1	0			0		0		0	0
CPL	6060			2	0			0		0		0	0
CPL	6094			1	0			0		0		0	0
CPL	6113			1	0			0		0		0	0
CPL	6123			2	0			0		0		0	0
CPL	6132			1	0			0		0		0	0
CPL	6153			8	0			0		0		0	0
CPL	6173			9	0			0		0		0	0
CPL	6323			11	0			0		0		0	0
CPL	6413			2	0			0		0		0	0
CPL	6423			1	0			0		0		0	0
CPL	6492			1	0			0		0		0	0
CPL	6531			1	0			0		0		0	0
CPL	6672			1	0			0		0		0	0
CPL	7041			1	0			0		0		0	0
GYSGT	0193			1	0			0		0		0	0
GYSGT	6113			2	0			0		0		0	0
GYSGT	6153			2	0			0		0		0	0
GYSGT	6173			1	0			0		0		0	0
GYSGT	6323			3	0			0		0		0	0
LCPL	0121			1	0			0		0		0	0
LCPL	0151			1	0			0		0		0	0
LCPL	2111			1	0			0		0		0	0
LCPL	5711			1	0			0		0		0	0
LCPL	6042			1	0			0		0		0	0
LCPL	6046			2	0			0		0		0	0
LCPL	6060			3	0			0		0		0	0
LCPL	6072			5	0			0		0		0	0
LCPL	6073			2	0			0		0		0	0
LCPL	6092			2	0			0		0		0	0
LCPL	6094			2	0			0		0		0	0
LCPL	6113			30	0			0		0		0	0
LCPL	6123			3	0			0		0		0	0
LCPL	6132			3	0			0		0		0	0
LCPL	6153			11	0			0		0		0	0
LCPL	6173			10	0			0		0		0	0
LCPL	6323			9	0			0		0		0	0
LCPL	6412			2	0			0		0		0	0
LCPL	6413			6	0			0		0		0	0
LCPL	6433			5	0			0		0		0	0
LCPL	6483			1	0			0		0		0	0
LCPL	6492			2	0			0		0		0	0
LCPL	6672			7	0			0		0		0	0
LCPL	7041			1	0			0		0		0	0
LCPL	6042			1	0			0		0		0	0
MGYSgt	6119			1	0			0		0		0	0
MGYSgt	6391			1	0			0		0		0	0
MSGT	6119			1	0			0		0		0	0
SGT	0151			1	0			0		0		0	0

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY01		FY02		FY03		FY04		FY05	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
SGT	6044		1		0		0		0		0		0
SGT	6045		2		0		0		0		0		0
SGT	6047		1		0		0		0		0		0
SGT	6060		1		0		0		0		0		0
SGT	6094		1		0		0		0		0		0
SGT	6113		8		0		0		0		0		0
SGT	6123		1		0		0		0		0		0
SGT	6153		1		0		0		0		0		0
SGT	6173		3		0		0		0		0		0
SGT	6323		6		0		0		0		0		0
SGT	6412		1		0		0		0		0		0
SGT	6433		2		0		0		0		0		0
SGT	6483		1		0		0		0		0		0
SGT	6531		1		0		0		0		0		0
SGTMAJ	9999		1		0		0		0		0		0
SSGT	6047		2		0		0		0		0		0
SSGT	6060		1		0		0		0		0		0
SSGT	6113		5		0		0		0		0		0
SSGT	6153		4		0		0		0		0		0
SSGT	6173		2		0		0		0		0		0
SSGT	6323		2		0		0		0		0		0
SSGT	6414		3		0		0		0		0		0
SSGT	7041		1		0		0		0		0		0
SSGT	8421		1		0		0		0		0		0
SSGT	8711		1		0		0		0		0		0
LCPL	6531		1		0		0		0		0		0

### USMC FLEET SUPPORT ACTIVITIES - ACDU

1310		1	0		0		0		0		0		0
1311		5	0		0		0		0		0		0
2102		1	0		0		0		0		0		0
7232	7225		2		0		0		0		0		0
AD1	8303		1		0		0		0		0		0
AD2	6424		1		0		0		0		0		0
AD2	8226		1		0		0		0		0		0
AD2	8303		1		0		0		0		0		0
AD3	6424		2		0		0		0		0		0
AD3	8211		1		0		0		0		0		0
AD3	8226		4		0		0		0		0		0
AD3	8803		2		0		0		0		0		0
ADAN	6428		1		0		0		0		0		0
ADAN	8211		1		0		0		0		0		0
ADAN	8803		5		0		0		0		0		0
AEC	8303		1		0		0		0		0		0
AE2	8303		1		0		0		0		0		0
AE3	7144		3		0		0		0		0		0
AE3	8803		1		0		0		0		0		0
AEAN	8803		3		0		0		0		0		0
AFCM	8300		1		0		0		0		0		0
AK2	8011		2		0		0		0		0		0

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY01		FY02		FY03		FY04		FY05	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
AMH2	8303			1		0		0		0		0	
AMH3	8803			1		0		0		0		0	
AMHAN	7212			1		0		0		0		0	
AMHAN	8803			2		0		0		0		0	
AMS1	8303			1		0		0		0		0	
AMS3	7212			1		0		0		0		0	
AMS3	8803			1		0		0		0		0	
AMSAN	8803			2		0		0		0		0	
ATC	6612			1		0		0		0		0	
AT1	8303			1		0		0		0		0	
AT2	6612			1		0		0		0		0	
AT3	6612			1		0		0		0		0	
AT3	8803			2		0		0		0		0	
ATAN	6612			1		0		0		0		0	
ATAN	8803			2		0		0		0		0	
AZ1	6315			1		0		0		0		0	
AZAN				1		0		0		0		0	
HM2	8406			1		0		0		0		0	
HM3	8404			1		0		0		0		0	
PR2				1		0		0		0		0	
PRAN				2		0		0		0		0	
YN1	9688			1		0		0		0		0	
YN2				1		0		0		0		0	

#### SUMMARY TOTALS:

NAVY OPERATIONAL ACTIVITIES - ACDU													
	111	1102		0	0	0	0	0	0	0	0	0	0
NAVY OPERATIONAL ACTIVITIES - TAR				8	226		0	0	0	0	0	0	0
NAVY OPERATIONAL ACTIVITIES - SELRES				42	266		0	0	0	0	0	0	0
NAVY FLEET SUPPORT ACTIVITIES - ACDU				40	138		0	0	0	0	0	0	0
NAVY FLEET SUPPORT ACTIVITIES - SELRES				2	11		0	0	0	0	0	0	0
USMC FLEET SUPPORT ACTIVITIES - USMC				24	227		0	0	0	0	0	0	0
USMC FLEET SUPPORT ACTIVITIES - ACDU				7	62		0	0	0	0	0	0	0

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY01		FY02		FY03		FY04		FY05	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
<b>GRAND TOTALS:</b>													
NAVY - ACDU		151	1240	0	0	0	0	0	0	0	0	0	0
NAVY - TAR		8	226	0	0	0	0	0	0	0	0	0	0
NAVY - SELRES		44	277	0	0	0	0	0	0	0	0	0	0
USMC - USMC		24	227	0	0	0	0	0	0	0	0	0	0
USMC - ACDU		7	62	0	0	0	0	0	0	0	0	0	0

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

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY01		FY02		FY03		FY04		FY05	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL

TRAINING ACTIVITY, LOCATION, UIC: AWSTS, NB Norfolk, 69022

#### INSTRUCTOR BILLETS

##### ACDU

1312		5	0	5	0	5	0	5	0	5	0	5	0
AMS1	8226	9505	0	1	0	1	0	1	0	1	0	1	0
APOC	8226	9502	0	1	0	1	0	1	0	1	0	1	0
APO1	8226	9502	0	2	0	2	0	2	0	2	0	2	0
APO2	8226	9502	0	9	0	9	0	9	0	9	0	9	0

#### SUPPORT BILLETS

##### ACDU

YN2		0	2	0	2	0	2	0	2	0	2	0	2
<b>TOTAL:</b>		<b>5</b>	<b>15</b>										

#### INSTRUCTOR BILLETS

##### USMC

6004		1	0	1	0	1	0	1	0	1	0	1	0
6302		1	0	1	0	1	0	1	0	1	0	1	0
CPL	6113	0	6	0	6	0	6	0	6	0	6	0	6
CPL	6123	0	2	0	2	0	2	0	2	0	2	0	2
CPL	6132	0	2	0	2	0	2	0	2	0	2	0	2
CPL	6153	0	4	0	4	0	4	0	4	0	4	0	4
CPL	6173	0	7	0	7	0	7	0	7	0	7	0	7
CPL	6323	0	3	0	3	0	3	0	3	0	3	0	3
GYSGT	6113	0	1	0	1	0	1	0	1	0	1	0	1
GYSGT	6173	0	1	0	1	0	1	0	1	0	1	0	1
GYSGT	6323	0	3	0	3	0	3	0	3	0	3	0	3
GYSGT	6113	0	1	0	1	0	1	0	1	0	1	0	1
MSGT	6119	0	1	0	1	0	1	0	1	0	1	0	1
SGT	6113	0	9	0	9	0	9	0	9	0	9	0	9
SGT	6153	0	4	0	4	0	4	0	4	0	4	0	4
SGT	6173	0	2	0	2	0	2	0	2	0	2	0	2
SGT	6323	0	3	0	3	0	3	0	3	0	3	0	3
SGT	6433	0	2	0	2	0	2	0	2	0	2	0	2
SSGT	6153	0	2	0	2	0	2	0	2	0	2	0	2
SSGT	6323	0	3	0	3	0	3	0	3	0	3	0	3
SSGT	6123	0	1	0	1	0	1	0	1	0	1	0	1
SSGT	6132	0	1	0	1	0	1	0	1	0	1	0	1
SSGT	6434	0	2	0	2	0	2	0	2	0	2	0	2

##### ACDU

ADC	8226	9502	0	1	0	1	0	1	0	1	0	1	0
AD1	8226	9502	0	2	0	2	0	2	0	2	0	2	0
AD2	8226	9502	0	4	0	4	0	4	0	4	0	4	0
AD2	8303	9502	0	4	0	4	0	4	0	4	0	4	0

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

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY01		FY02		FY03		FY04		FY05	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
<b>SUPPORT BILLETS</b>													
USMC													
CPL	0151	0	1	0	1	0	1	0	1	0	1	0	1
CPL	4066	0	1	0	1	0	1	0	1	0	1	0	1
CPL	6042	0	1	0	1	0	1	0	1	0	1	0	1
CPL	6672	0	1	0	1	0	1	0	1	0	1	0	1
CPL	7041	0	1	0	1	0	1	0	1	0	1	0	1
GYSGT	6113	0	1	0	1	0	1	0	1	0	1	0	1
GYSGT	6123	0	1	0	1	0	1	0	1	0	1	0	1
GYSGT	6414	0	1	0	1	0	1	0	1	0	1	0	1
LCPL	0121	0	2	0	2	0	2	0	2	0	2	0	2
LCPL	0151	0	1	0	1	0	1	0	1	0	1	0	1
LCPL	4066	0	1	0	1	0	1	0	1	0	1	0	1
LCPL	6042	0	1	0	1	0	1	0	1	0	1	0	1
SGT	6153	0	1	0	1	0	1	0	1	0	1	0	1
SGT	6672	0	1	0	1	0	1	0	1	0	1	0	1
SSGT	6113	0	1	0	1	0	1	0	1	0	1	0	1
SSGT	6153	0	1	0	1	0	1	0	1	0	1	0	1
SSGT	6323	0	1	0	1	0	1	0	1	0	1	0	1
SSGT	0193	0	1	0	1	0	1	0	1	0	1	0	1
SSGT	6047	0	1	0	1	0	1	0	1	0	1	0	1
SSGT	6123	0	1	0	1	0	1	0	1	0	1	0	1
<b>TOTAL:</b>		2	92	2	92	2	92	2	92	2	92	2	92

TRAINING ACTIVITY, LOCATION, UIC: MTU 1031 NAMTRAU, NB Norfolk, 66046

### INSTRUCTOR BILLETS

ACDU													
AD1	8303	9502	0	2	0	2	0	2	0	2	0	2	0
AD2	8303	9502	0	1	0	1	0	1	0	1	0	1	0
AEC	8303	9502	0	1	0	1	0	1	0	1	0	1	0
AE1	8303	9502	0	3	0	3	0	3	0	3	0	3	0
AMH1	8303	9502	0	3	0	3	0	3	0	3	0	3	0
AMS1	8303	9502	0	2	0	2	0	2	0	2	0	2	0
ATC	8303	9502	0	1	0	1	0	1	0	1	0	1	0
AT1	8303	9502	0	2	0	2	0	2	0	2	0	2	0
AT2	8303	9502	0	1	0	1	0	1	0	1	0	1	0
<b>SELRES</b>													
AD2	8303	9502	0	2	0	2	0	2	0	2	0	2	0
AE1	8303	9502	0	4	0	4	0	4	0	4	0	4	0
AMH1	8303	9502	0	2	0	2	0	2	0	2	0	2	0
AT1	8303	9502	0	2	0	2	0	2	0	2	0	2	0
<b>TOTAL:</b>			0	26	0	26	0	26	0	26	0	26	0

#### II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs		CFY01		FY02		FY03		FY04		FY05	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
AWSTS, NB Norfolk, 69022													
NAVY		20.8	3.9	20.8	3.9	20.8	3.9	20.8	3.9	20.8	3.9	20.8	3.9
USMC		0.2		0.2		0.2		0.2		0.2		0.2	
HMT-302 FREST, MCAS New River, 8591A													
NAVY		0.3		0.3		0.3		0.3		0.3		0.3	
MTU 1031 NAMTRAU, NB Norfolk, 66046													
NAVY		44.6		44.6		44.6		44.6		44.6		44.6	
<b>SUMMARY TOTALS:</b>													
NAVY		20.8	48.8	20.8	48.8	20.8	48.8	20.8	48.8	20.8	48.8	20.8	48.8
USMC		0.2		0.2		0.2		0.2		0.2		0.2	
<b>GRAND TOTALS:</b>													
		21.0	48.8	21.0	48.8	21.0	48.8	21.0	48.8	21.0	48.8	21.0	48.8

## II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01		FY02		FY03		FY04		FY05				
				+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM			
<b>a. OFFICER - USN</b>																
Operational Billets ACDU and TAR																
1311			94	0	94	0	94	0	94	0	94	0	94			
1312			2	0	2	0	2	0	2	0	2	0	2			
1520	8176	1	0	1	0	1	0	1	0	1	0	1	0			
1630		2	0	2	0	2	0	2	0	2	0	2	0			
2102		3	0	3	0	3	0	3	0	3	0	3	0			
3100		2	0	2	0	2	0	2	0	2	0	2	0			
6330		3	0	3	0	3	0	3	0	3	0	3	0			
6380		2	0	2	0	2	0	2	0	2	0	2	0			
7340		4	0	4	0	4	0	4	0	4	0	4	0			
7340		8190	6	0	6	0	6	0	6	0	6	0	6			
Fleet Support Billets ACDU and TAR																
1110	8506	1	0	1	0	1	0	1	0	1	0	1	0			
1310		2	0	2	0	2	0	2	0	2	0	2	0			
1311		5	0	5	0	5	0	5	0	5	0	5	0			
1312		30	0	30	0	30	0	30	0	30	0	30	0			
1322		1	0	1	0	1	0	1	0	1	0	1	0			
1512		1	0	1	0	1	0	1	0	1	0	1	0			
2102		1	0	1	0	1	0	1	0	1	0	1	0			
3100		3	0	3	0	3	0	3	0	3	0	3	0			
6330		2	0	2	0	2	0	2	0	2	0	2	0			
7180		8199	1	0	1	0	1	0	1	0	1	0	1			
Staff Billets ACDU and TAR																
1312		5	0	5	0	5	0	5	0	5	0	5	0			
Chargeable Student Billets ACDU and TAR																
		21	0	21	0	21	0	21	0	21	0	21	0			
SELRES Billets																
1310		2	0	2	0	2	0	2	0	2	0	2	0			
1311		38	0	38	0	38	0	38	0	38	0	38	0			
1520	8190	2	0	2	0	2	0	2	0	2	0	2	0			
7340		2	0	2	0	2	0	2	0	2	0	2	0			
<b>TOTAL USN OFFICER BILLETS:</b>																
Operational				119	0	119	0	119	0	119	0	119	0			
Fleet Support				47	0	47	0	47	0	47	0	47	0			
Staff				5	0	5	0	5	0	5	0	5	0			
Chargeable Student				21	0	21	0	21	0	21	0	21	0			
SELRES				44	0	44	0	44	0	44	0	44	0			

## II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01		FY02		FY03		FY04		FY05				
				+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM			
<b>b. ENLISTED - USN</b>																
Operational Billets ACDU and TAR																
ADC	8303		6	0	6	0	6	0	6	0	6	0	6			
AD1	8303		24	0	24	0	24	0	24	0	24	0	24			
AD1	8391		2	0	2	0	2	0	2	0	2	0	2			
AD2	8303		19	0	19	0	19	0	19	0	19	0	19			
AD2	8303	9502	2	0	2	0	2	0	2	0	2	0	2			
AD2	8391		2	0	2	0	2	0	2	0	2	0	2			
AD3	6424		4	0	4	0	4	0	4	0	4	0	4			
AD3	8803		21	0	21	0	21	0	21	0	21	0	21			
AD3	8891		4	0	4	0	4	0	4	0	4	0	4			
ADAN	8803		25	0	25	0	25	0	25	0	25	0	25			
ADAN	8891		2	0	2	0	2	0	2	0	2	0	2			
AE1	8303		18	0	18	0	18	0	18	0	18	0	18			
AE1	8391		4	0	4	0	4	0	4	0	4	0	4			
AE2	8303		18	0	18	0	18	0	18	0	18	0	18			
AE2	8308		6	0	6	0	6	0	6	0	6	0	6			
AE2	8391		6	0	6	0	6	0	6	0	6	0	6			
AE3	7144	7105	4	0	4	0	4	0	4	0	4	0	4			
AE3	8803		11	0	11	0	11	0	11	0	11	0	11			
AE3	8891		4	0	4	0	4	0	4	0	4	0	4			
AEAN	8803		21	0	21	0	21	0	21	0	21	0	21			
AEAN	8891		4	0	4	0	4	0	4	0	4	0	4			
AKC			1	0	1	0	1	0	1	0	1	0	1			
AK1			3	0	3	0	3	0	3	0	3	0	3			
AK2		9590	14	0	14	0	14	0	14	0	14	0	14			
AK2			7	0	7	0	7	0	7	0	7	0	7			
AK3			2	0	2	0	2	0	2	0	2	0	2			
AKAN			2	0	2	0	2	0	2	0	2	0	2			
AMHC	8303		7	0	7	0	7	0	7	0	7	0	7			
AMH1	8303		13	0	13	0	13	0	13	0	13	0	13			
AMH1	8303	9595	3	0	3	0	3	0	3	0	3	0	3			
AMH1	8391		6	0	6	0	6	0	6	0	6	0	6			
AMH2	8303		16	0	16	0	16	0	16	0	16	0	16			
AMH2	8391		4	0	4	0	4	0	4	0	4	0	4			
AMH3	7212		4	0	4	0	4	0	4	0	4	0	4			
AMH3	8803		22	0	22	0	22	0	22	0	22	0	22			
AMH3	8891		12	0	12	0	12	0	12	0	12	0	12			
AMHAN	8803		26	0	26	0	26	0	26	0	26	0	26			
AMHAN	8891		8	0	8	0	8	0	8	0	8	0	8			
AMSC	8303		2	0	2	0	2	0	2	0	2	0	2			
AMS1	8303		11	0	11	0	11	0	11	0	11	0	11			
AMS1	8303	9595	5	0	5	0	5	0	5	0	5	0	5			
AMS1	8391		4	0	4	0	4	0	4	0	4	0	4			
AMS2	7225		4	0	4	0	4	0	4	0	4	0	4			
AMS2	7225	8303	3	0	3	0	3	0	3	0	3	0	3			
AMS2	7232		4	0	4	0	4	0	4	0	4	0	4			
AMS2	8303		9	0	9	0	9	0	9	0	9	0	9			
AMS2	8391		4	0	4	0	4	0	4	0	4	0	4			

## II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01		FY02		FY03		FY04		FY05	
				+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
AMS3	7225	8803	3	0	3	0	3	0	3	0	3	0	3
AMS3	8803		15	0	15	0	15	0	15	0	15	0	15
AMS3	8891		6	0	6	0	6	0	6	0	6	0	6
AMSAN	8803		16	0	16	0	16	0	16	0	16	0	16
AMSAN	8891		6	0	6	0	6	0	6	0	6	0	6
AO1			2	0	2	0	2	0	2	0	2	0	2
AO1	0812		4	0	4	0	4	0	4	0	4	0	4
AO2			4	0	4	0	4	0	4	0	4	0	4
AO3			2	0	2	0	2	0	2	0	2	0	2
AOAN			4	0	4	0	4	0	4	0	4	0	4
APOCM	8300		3	0	3	0	3	0	3	0	3	0	3
APOCS			21	0	21	0	21	0	21	0	21	0	21
APOCS	8226		4	0	4	0	4	0	4	0	4	0	4
APOC			27	0	27	0	27	0	27	0	27	0	27
APOC	8226	9502	6	0	6	0	6	0	6	0	6	0	6
AP01			13	0	13	0	13	0	13	0	13	0	13
AP01	9595		3	0	3	0	3	0	3	0	3	0	3
AP01	8225		3	0	3	0	3	0	3	0	3	0	3
AP01	8226	9502	26	0	26	0	26	0	26	0	26	0	26
APO2			13	0	13	0	13	0	13	0	13	0	13
APO2	8225		15	0	15	0	15	0	15	0	15	0	15
APO2	8226	9502	72	0	72	0	72	0	72	0	72	0	72
AP03			2	0	2	0	2	0	2	0	2	0	2
AP03	8225		9	0	9	0	9	0	9	0	9	0	9
AP03	8226		66	0	66	0	66	0	66	0	66	0	66
APOAN	8225		9	0	9	0	9	0	9	0	9	0	9
APOAN	8226		42	0	42	0	42	0	42	0	42	0	42
AS2	7603		2	0	2	0	2	0	2	0	2	0	2
AT1	8303		16	0	16	0	16	0	16	0	16	0	16
AT1	8391		8	0	8	0	8	0	8	0	8	0	8
AT2	6611	6609	4	0	4	0	4	0	4	0	4	0	4
AT2	8303		12	0	12	0	12	0	12	0	12	0	12
AT2	8303	9502	2	0	2	0	2	0	2	0	2	0	2
AT2	8391		14	0	14	0	14	0	14	0	14	0	14
AT2	8391	9526	2	0	2	0	2	0	2	0	2	0	2
AT3		9526	1	0	1	0	1	0	1	0	1	0	1
AT3	6605	6612	4	0	4	0	4	0	4	0	4	0	4
AT3	8803		11	0	11	0	11	0	11	0	11	0	11
AT3	8891		4	0	4	0	4	0	4	0	4	0	4
AT3	8891	9526	3	0	3	0	3	0	3	0	3	0	3
ATAN	8803		14	0	14	0	14	0	14	0	14	0	14
AZC			2	0	2	0	2	0	2	0	2	0	2
AZ1			4	0	4	0	4	0	4	0	4	0	4
AZ1	6315		3	0	3	0	3	0	3	0	3	0	3
AZ2			20	0	20	0	20	0	20	0	20	0	20
AZ3			6	0	6	0	6	0	6	0	6	0	6
AZAN			13	0	13	0	13	0	13	0	13	0	13
BMC	0107		2	0	2	0	2	0	2	0	2	0	2
BM1			2	0	2	0	2	0	2	0	2	0	2
BM1	0107		2	0	2	0	2	0	2	0	2	0	2

## II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01		FY02		FY03		FY04		FY05	
				+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
BM2			2	0	2	0	2	0	2	0	2	0	2
BM3			4	0	4	0	4	0	4	0	4	0	4
BM3	0107		4	0	4	0	4	0	4	0	4	0	4
CE2	5635		2	0	2	0	2	0	2	0	2	0	2
CMCS			2	0	2	0	2	0	2	0	2	0	2
CM1	5805		2	0	2	0	2	0	2	0	2	0	2
CM2	5805		4	0	4	0	4	0	4	0	4	0	4
CM3			4	0	4	0	4	0	4	0	4	0	4
CMSN			8	0	8	0	8	0	8	0	8	0	8
DK2	2905		4	0	4	0	4	0	4	0	4	0	4
EM2			4	0	4	0	4	0	4	0	4	0	4
EN1	4303		4	0	4	0	4	0	4	0	4	0	4
EN2	4303		4	0	4	0	4	0	4	0	4	0	4
EN3	4303		4	0	4	0	4	0	4	0	4	0	4
ENFN			4	0	4	0	4	0	4	0	4	0	4
EO3			4	0	4	0	4	0	4	0	4	0	4
HM2	8406		4	0	4	0	4	0	4	0	4	0	4
MS2			4	0	4	0	4	0	4	0	4	0	4
MS3			4	0	4	0	4	0	4	0	4	0	4
MSSN			4	0	4	0	4	0	4	0	4	0	4
NCC			2	0	2	0	2	0	2	0	2	0	2
NC1			3	0	3	0	3	0	3	0	3	0	3
OSC			2	0	2	0	2	0	2	0	2	0	2
OS1			2	0	2	0	2	0	2	0	2	0	2
OS2			4	0	4	0	4	0	4	0	4	0	4
OS3			2	0	2	0	2	0	2	0	2	0	2
OSSN			4	0	4	0	4	0	4	0	4	0	4
PNC			2	0	2	0	2	0	2	0	2	0	2
PN1			2	0	2	0	2	0	2	0	2	0	2
PN2			2	0	2	0	2	0	2	0	2	0	2
PN3			2	0	2	0	2	0	2	0	2	0	2
PNSN			2	0	2	0	2	0	2	0	2	0	2
POCM	9580		3	0	3	0	3	0	3	0	3	0	3
PO1			1	0	1	0	1	0	1	0	1	0	1
PO2			14	0	14	0	14	0	14	0	14	0	14
PO3			2	0	2	0	2	0	2	0	2	0	2
PR1			6	0	6	0	6	0	6	0	6	0	6
PR2			12	0	12	0	12	0	12	0	12	0	12
PR3			6	0	6	0	6	0	6	0	6	0	6
PRAN			6	0	6	0	6	0	6	0	6	0	6
IT1			2	0	2	0	2	0	2	0	2	0	2
IT2			2	0	2	0	2	0	2	0	2	0	2
IT3			5	0	5	0	5	0	5	0	5	0	5
IT3	2735		3	0	3	0	3	0	3	0	3	0	3
SK1			2	0	2	0	2	0	2	0	2	0	2
SK2			2	0	2	0	2	0	2	0	2	0	2
YNC			3	0	3	0	3	0	3	0	3	0	3
YN1			1	0	1	0	1	0	1	0	1	0	1
YN2			5	0	5	0	5	0	5	0	5	0	5
YN3			8	0	8	0	8	0	8	0	8	0	8
YNSN			7	0	7	0	7	0	7	0	7	0	7

## II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01		FY02		FY03		FY04		FY05	
				+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
AN			167	0	167	0	167	0	167	0	167	0	167
SN			16	0	16	0	16	0	16	0	16	0	16
Fleet Support Billets ACDU and TAR													
7232	7225		2	0	2	0	2	0	2	0	2	0	2
ADCS			1	0	1	0	1	0	1	0	1	0	1
ADC	8226		1	0	1	0	1	0	1	0	1	0	1
ADC	8226	8303	1	0	1	0	1	0	1	0	1	0	1
ADC	8378	8303	1	0	1	0	1	0	1	0	1	0	1
AD1	8226	8303	3	0	3	0	3	0	3	0	3	0	3
AD1	8303		1	0	1	0	1	0	1	0	1	0	1
AD1	8378		1	0	1	0	1	0	1	0	1	0	1
AD1	8378	8370	1	0	1	0	1	0	1	0	1	0	1
AD1	8378	8377	1	0	1	0	1	0	1	0	1	0	1
AD2			1	0	1	0	1	0	1	0	1	0	1
AD2	6424		1	0	1	0	1	0	1	0	1	0	1
AD2	8225		1	0	1	0	1	0	1	0	1	0	1
AD2	8226		2	0	2	0	2	0	2	0	2	0	2
AD2	8226	8303	2	0	2	0	2	0	2	0	2	0	2
AD2	8226	9502	14	0	14	0	14	0	14	0	14	0	14
AD2	8303		1	0	1	0	1	0	1	0	1	0	1
AD2	8378		1	0	1	0	1	0	1	0	1	0	1
AD3	6424		2	0	2	0	2	0	2	0	2	0	2
AD3	8211		1	0	1	0	1	0	1	0	1	0	1
AD3	8226		4	0	4	0	4	0	4	0	4	0	4
AD3	8803		2	0	2	0	2	0	2	0	2	0	2
AD3	8878		1	0	1	0	1	0	1	0	1	0	1
ADAN	6428		1	0	1	0	1	0	1	0	1	0	1
ADAN	8211		1	0	1	0	1	0	1	0	1	0	1
ADAN	8803		5	0	5	0	5	0	5	0	5	0	5
ADAN	8878		1	0	1	0	1	0	1	0	1	0	1
AEC	8226	9502	1	0	1	0	1	0	1	0	1	0	1
AEC	8303		1	0	1	0	1	0	1	0	1	0	1
AEC	8378		1	0	1	0	1	0	1	0	1	0	1
AEC	8378	8377	1	0	1	0	1	0	1	0	1	0	1
AE1	8226		1	0	1	0	1	0	1	0	1	0	1
AE1	8226	8303	1	0	1	0	1	0	1	0	1	0	1
AE1	8377	8379	1	0	1	0	1	0	1	0	1	0	1
AE1	8378		1	0	1	0	1	0	1	0	1	0	1
AE1	8378	8303	1	0	1	0	1	0	1	0	1	0	1
AE1	8378	8377	1	0	1	0	1	0	1	0	1	0	1
AE2	8226		1	0	1	0	1	0	1	0	1	0	1
AE2	8303		3	0	3	0	3	0	3	0	3	0	3
AE2	8378	8378	1	0	1	0	1	0	1	0	1	0	1
AE3	7144		3	0	3	0	3	0	3	0	3	0	3
AE3	8226	8803	1	0	1	0	1	0	1	0	1	0	1
AE3	8803		1	0	1	0	1	0	1	0	1	0	1
AE3	8878		2	0	2	0	2	0	2	0	2	0	2
AEAN	8803		3	0	3	0	3	0	3	0	3	0	3
AEAN	8878		3	0	3	0	3	0	3	0	3	0	3
AFCM	8300		1	0	1	0	1	0	1	0	1	0	1

## II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01		FY02		FY03		FY04		FY05	
				+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
AK1			1	0	1	0	1	0	1	0	1	0	1
AK2			1	0	1	0	1	0	1	0	1	0	1
AK2	8011		2	0	2	0	2	0	2	0	2	0	2
AK3			1	0	1	0	1	0	1	0	1	0	1
AKAN			1	0	1	0	1	0	1	0	1	0	1
AMH1	8226	8303	1	0	1	0	1	0	1	0	1	0	1
AMH1	8378	8379	1	0	1	0	1	0	1	0	1	0	1
AMH1	8378	8380	2	0	2	0	2	0	2	0	2	0	2
AMH2	8303		1	0	1	0	1	0	1	0	1	0	1
AMH3	8226		1	0	1	0	1	0	1	0	1	0	1
AMH3	8803		1	0	1	0	1	0	1	0	1	0	1
AMH3	8878		4	0	4	0	4	0	4	0	4	0	4
AMHAN	7212		1	0	1	0	1	0	1	0	1	0	1
AMHAN	8803		2	0	2	0	2	0	2	0	2	0	2
AMHAN	8878		2	0	2	0	2	0	2	0	2	0	2
AMSC	8226		1	0	1	0	1	0	1	0	1	0	1
AMS1	8226	8303	1	0	1	0	1	0	1	0	1	0	1
AMS1	8226	9505	1	0	1	0	1	0	1	0	1	0	1
AMS1	8303		1	0	1	0	1	0	1	0	1	0	1
AMS1	8377	8303	1	0	1	0	1	0	1	0	1	0	1
AMS1	8378	8379	1	0	1	0	1	0	1	0	1	0	1
AMS2	7225	8303	1	0	1	0	1	0	1	0	1	0	1
AMS2	8216		1	0	1	0	1	0	1	0	1	0	1
AMS2	8226	8303	1	0	1	0	1	0	1	0	1	0	1
AMS2	8378		1	0	1	0	1	0	1	0	1	0	1
AMS3	7212		1	0	1	0	1	0	1	0	1	0	1
AMS3	8226		1	0	1	0	1	0	1	0	1	0	1
AMS3	8803		1	0	1	0	1	0	1	0	1	0	1
AMS3	8878		2	0	2	0	2	0	2	0	2	0	2
AMSAN	8803		2	0	2	0	2	0	2	0	2	0	2
AMSAN	8878		3	0	3	0	3	0	3	0	3	0	3
AO2	8378		1	0	1	0	1	0	1	0	1	0	1
AO3			1	0	1	0	1	0	1	0	1	0	1
AS1			1	0	1	0	1	0	1	0	1	0	1
ATCS			1	0	1	0	1	0	1	0	1	0	1
ATC			1	0	1	0	1	0	1	0	1	0	1
ATC	6612		1	0	1	0	1	0	1	0	1	0	1
ATC	8376		1	0	1	0	1	0	1	0	1	0	1
AT1			1	0	1	0	1	0	1	0	1	0	1
AT1	8377		1	0	1	0	1	0	1	0	1	0	1
AT1	8303		1	0	1	0	1	0	1	0	1	0	1
AT1	8376		1	0	1	0	1	0	1	0	1	0	1
AT2			2	0	2	0	2	0	2	0	2	0	2
AT2	6612		1	0	1	0	1	0	1	0	1	0	1
AT2	8303		1	0	1	0	1	0	1	0	1	0	1
AT2	8376		2	0	2	0	2	0	2	0	2	0	2
AT3			1	0	1	0	1	0	1	0	1	0	1
AT3	6612		1	0	1	0	1	0	1	0	1	0	1
AT3	8376		4	0	4	0	4	0	4	0	4	0	4
AT3	8803		2	0	2	0	2	0	2	0	2	0	2
ATAN	6612		1	0	1	0	1	0	1	0	1	0	1

## II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01		FY02		FY03		FY04		FY05	
				+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
ATAN	8376		4	0	4	0	4	0	4	0	4	0	4
ATAN	8803		2	0	2	0	2	0	2	0	2	0	2
AWC	7873		1	0	1	0	1	0	1	0	1	0	1
AW1	7873		1	0	1	0	1	0	1	0	1	0	1
AW1	7874	7873	1	0	1	0	1	0	1	0	1	0	1
AW2	7873		4	0	4	0	4	0	4	0	4	0	4
AW2	7874		1	0	1	0	1	0	1	0	1	0	1
AW2	7874	7873	1	0	1	0	1	0	1	0	1	0	1
AW2	7874	7876	1	0	1	0	1	0	1	0	1	0	1
AW2	7876		5	0	5	0	5	0	5	0	5	0	5
AZ1			1	0	1	0	1	0	1	0	1	0	1
AZ1	6315		2	0	2	0	2	0	2	0	2	0	2
AZ2			1	0	1	0	1	0	1	0	1	0	1
AZ3			2	0	2	0	2	0	2	0	2	0	2
AZAN			3	0	3	0	3	0	3	0	3	0	3
HM2	8406		1	0	1	0	1	0	1	0	1	0	1
HM3	8404		1	0	1	0	1	0	1	0	1	0	1
PO2		9595	2	0	2	0	2	0	2	0	2	0	2
PR2			3	0	3	0	3	0	3	0	3	0	3
PRAN			2	0	2	0	2	0	2	0	2	0	2
IT1			1	0	1	0	1	0	1	0	1	0	1
ITSN			2	0	2	0	2	0	2	0	2	0	2
YN1	9688		1	0	1	0	1	0	1	0	1	0	1
YN2			1	0	1	0	1	0	1	0	1	0	1
AN			5	0	5	0	5	0	5	0	5	0	5
Staff Billets ACDU and TAR													
ADC	8226	9502	1	0	1	0	1	0	1	0	1	0	1
AD1	8226	9502	2	0	1	0	2	0	2	0	2	0	2
AD1	8303	9502	2	0	2	0	2	0	2	0	2	0	2
AD2	8226	9502	4	0	4	0	4	0	4	0	4	0	4
AD2	8303	9502	7	0	7	0	7	0	7	0	7	0	7
AEC	8303	9502	1	0	1	0	1	0	1	0	1	0	1
AE1	8303	9502	7	0	7	0	7	0	7	0	7	0	7
AMH1	8303	9502	5	0	5	0	5	0	5	0	5	0	5
AMS1	8226	9505	1	0	1	0	1	0	1	0	1	0	1
AMS1	8303	9502	2	0	2	0	2	0	2	0	2	0	2
APOC	8226	9502	1	0	1	0	1	0	1	0	1	0	1
APO1	8226	9502	2	0	2	0	2	0	2	0	2	0	2
APO2	8226	9502	9	0	9	0	9	0	9	0	9	0	9
ATC	8303	9502	1	0	1	0	1	0	1	0	1	0	1
AT1	8303	9502	4	0	4	0	4	0	4	0	4	0	4
AT2	8303	9502	1	0	1	0	1	0	1	0	1	0	1
YN2			2	0	2	0	2	0	2	0	2	0	2
Chargeable Student Billets ACDU and TAR													
			49	0	49	0	49	0	49	0	49	0	49
SELRES Billets													
AD1	8226		6	0	6	0	6	0	6	0	6	0	6
AD2	8303		4	0	4	0	4	0	4	0	4	0	4

## II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01		FY02		FY03		FY04		FY05	
				+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
AD3	8803		6	0	6	0	6	0	6	0	6	0	6
ADAN	8803		8	0	8	0	8	0	8	0	8	0	8
ADAN	8891		2	0	2	0	2	0	2	0	2	0	2
AE2	8303		2	0	2	0	2	0	2	0	2	0	2
AE3	8803		4	0	4	0	4	0	4	0	4	0	4
AE3	8891		2	0	2	0	2	0	2	0	2	0	2
AEAN	8803		10	0	10	0	10	0	10	0	10	0	10
AEAN	8891		2	0	2	0	2	0	2	0	2	0	2
AK1			1	0	1	0	1	0	1	0	1	0	1
AK2			2	0	2	0	2	0	2	0	2	0	2
AMH2	8303		2	0	2	0	2	0	2	0	2	0	2
AMHAN	8803		4	0	4	0	4	0	4	0	4	0	4
AMHAN	8891		4	0	4	0	4	0	4	0	4	0	4
AMS1	8226	9505	1	0	1	0	1	0	1	0	1	0	1
AMS2	8303		4	0	4	0	4	0	4	0	4	0	4
AMS2	8391		2	0	2	0	2	0	2	0	2	0	2
AMS3	8803		6	0	6	0	6	0	6	0	6	0	6
AMSAN	8803		6	0	6	0	6	0	6	0	6	0	6
AMSAN	8891		2	0	2	0	2	0	2	0	2	0	2
AO3			2	0	2	0	2	0	2	0	2	0	2
AOAN			2	0	2	0	2	0	2	0	2	0	2
APOC	8226	9502	2	0	2	0	2	0	2	0	2	0	2
APO1	8226	9502	4	0	4	0	4	0	4	0	4	0	4
APO2			12	0	12	0	12	0	12	0	12	0	12
APO2	8226	9502	6	0	6	0	6	0	6	0	6	0	6
APO3			2	0	2	0	2	0	2	0	2	0	2
APO3	8226		8	0	8	0	8	0	8	0	8	0	8
APOAN	8226		6	0	6	0	6	0	6	0	6	0	6
ASC	7609		1	0	1	0	1	0	1	0	1	0	1
AS3	7614		2	0	2	0	2	0	2	0	2	0	2
AT3		9526	1	0	1	0	1	0	1	0	1	0	1
AT3	8803		4	0	4	0	4	0	4	0	4	0	4
AT3	8891		2	0	2	0	2	0	2	0	2	0	2
AT3	9527		1	0	1	0	1	0	1	0	1	0	1
ATAN	8803		4	0	4	0	4	0	4	0	4	0	4
ATAN	8891		6	0	6	0	6	0	6	0	6	0	6
AZ2			1	0	1	0	1	0	1	0	1	0	1
AZAN			6	0	6	0	6	0	6	0	6	0	6
BMC	0107		2	0	2	0	2	0	2	0	2	0	2
BM2	0107		2	0	2	0	2	0	2	0	2	0	2
CE2	5635		2	0	2	0	2	0	2	0	2	0	2
ENFN			4	0	4	0	4	0	4	0	4	0	4
HM2	8406		2	0	2	0	2	0	2	0	2	0	2
MS3			2	0	2	0	2	0	2	0	2	0	2
MSSN			8	0	8	0	8	0	8	0	8	0	8
OS2			2	0	2	0	2	0	2	0	2	0	2
OS3			2	0	2	0	2	0	2	0	2	0	2
PNSN			2	0	2	0	2	0	2	0	2	0	2
MS2			2	0	2	0	2	0	2	0	2	0	2
PO2			12	0	12	0	12	0	12	0	12	0	12
PR2	7353		1	0	1	0	1	0	1	0	1	0	1

#### II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01		FY02		FY03		FY04		FY05	
				+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
PR3			4	0	4	0	4	0	4	0	4	0	4
IT2			2	0	2	0	2	0	2	0	2	0	2
YN3			2	0	2	0	2	0	2	0	2	0	2
AN			70	0	70	0	70	0	70	0	70	0	70
SN			4	0	4	0	4	0	4	0	4	0	4

#### TOTAL USN ENLISTED BILLETS:

Operational	1328	0	1328	0	1328	0	1328	0	1328	0	1328	0	1328
Fleet Support	200	0	200	0	200	0	200	0	200	0	200	0	200
Staff	52	0	52	0	52	0	52	0	52	0	52	0	52
Chargeable Student	49	0	49	0	49	0	49	0	49	0	49	0	49
SELRES	277	0	277	0	277	0	277	0	277	0	277	0	277

#### c. OFFICER - USMC

##### Fleet Support Billets USMC and AR

6002	1	0	1	0	1	0	1	0	1	0	1	0	1
6004	1	0	1	0	1	0	1	0	1	0	1	0	1
6302	1	0	1	0	1	0	1	0	1	0	1	0	1
7566	21	0	21	0	21	0	21	0	21	0	21	0	21

##### Staff Billets USMC and AR

6004	1	0	1	0	1	0	1	0	1	0	1	0	1
6302	1	0	1	0	1	0	1	0	1	0	1	0	1

##### Chargeable Student Billets USMC and AR

0	0	0	0	0	0	0	0	0	0	0	0	0	0
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#### TOTAL USMC OFFICER BILLETS:

Fleet Support	24	0	24	0	24	0	24	0	24	0	24	0	24
Staff	2	0	2	0	2	0	2	0	2	0	2	0	2
Chargeable Student	0	0	0	0	0	0	0	0	0	0	0	0	0

#### d. ENLISTED - USMC

##### Fleet Support Billets USMC and AR

CPL 0121	2	0	2	0	2	0	2	0	2	0	2	0	2
CPL 0151	2	0	2	0	2	0	2	0	2	0	2	0	2
CPL 0431	1	0	1	0	1	0	1	0	1	0	1	0	1
CPL 6043	1	0	1	0	1	0	1	0	1	0	1	0	1
CPL 6060	2	0	2	0	2	0	2	0	2	0	2	0	2
CPL 6094	1	0	1	0	1	0	1	0	1	0	1	0	1

## II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01		FY02		FY03		FY04		FY05	
				+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
CPL	6113		1	0	1	0	1	0	1	0	1	0	1
CPL	6123		2	0	2	0	2	0	2	0	2	0	2
CPL	6132		1	0	1	0	1	0	1	0	1	0	1
CPL	6153		8	0	8	0	8	0	8	0	8	0	8
CPL	6173		9	0	9	0	9	0	9	0	9	0	9
CPL	6323		11	0	11	0	11	0	11	0	11	0	11
CPL	6413		2	0	2	0	2	0	2	0	2	0	2
CPL	6423		1	0	1	0	1	0	1	0	1	0	1
CPL	6492		1	0	1	0	1	0	1	0	1	0	1
CPL	6531		1	0	1	0	1	0	1	0	1	0	1
CPL	6672		1	0	1	0	1	0	1	0	1	0	1
CPL	7041		1	0	1	0	1	0	1	0	1	0	1
GYSGT	0193		1	0	1	0	1	0	1	0	1	0	1
GYSGT	6113		2	0	2	0	2	0	2	0	2	0	2
GYSGT	6153		2	0	2	0	2	0	2	0	2	0	2
GYSGT	6173		1	0	1	0	1	0	1	0	1	0	1
GYSGT	6323		3	0	3	0	3	0	3	0	3	0	3
LCPL	0121		1	0	1	0	1	0	1	0	1	0	1
LCPL	0151		1	0	1	0	1	0	1	0	1	0	1
LCPL	2111		1	0	1	0	1	0	1	0	1	0	1
LCPL	5711		1	0	1	0	1	0	1	0	1	0	1
LCPL	6042		1	0	1	0	1	0	1	0	1	0	1
LCPL	6046		2	0	2	0	2	0	2	0	2	0	2
LCPL	6060		3	0	3	0	3	0	3	0	3	0	3
LCPL	6072		5	0	5	0	5	0	5	0	5	0	5
LCPL	6073		2	0	2	0	2	0	2	0	2	0	2
LCPL	6092		2	0	2	0	2	0	2	0	2	0	2
LCPL	6094		2	0	2	0	2	0	2	0	2	0	2
LCPL	6113		30	0	30	0	30	0	30	0	30	0	30
LCPL	6123		3	0	3	0	3	0	3	0	3	0	3
LCPL	6132		3	0	3	0	3	0	3	0	3	0	3
LCPL	6153		11	0	11	0	11	0	11	0	11	0	11
LCPL	6173		10	0	10	0	10	0	10	0	10	0	10
LCPL	6323		9	0	9	0	9	0	9	0	9	0	9
LCPL	6412		2	0	2	0	2	0	2	0	2	0	2
LCPL	6413		6	0	6	0	6	0	6	0	6	0	6
LCPL	6433		5	0	5	0	5	0	5	0	5	0	5
LCPL	6483		1	0	1	0	1	0	1	0	1	0	1
LCPL	6492		2	0	2	0	2	0	2	0	2	0	2
LCPL	6672		7	0	7	0	7	0	7	0	7	0	7
LCPL	7041		1	0	1	0	1	0	1	0	1	0	1
LCPL	6042		1	0	1	0	1	0	1	0	1	0	1
MGYSGT	6119		1	0	1	0	1	0	1	0	1	0	1
MGYSGT	6391		1	0	1	0	1	0	1	0	1	0	1
MSGT	6119		1	0	1	0	1	0	1	0	1	0	1
SGT	0151		1	0	1	0	1	0	1	0	1	0	1
SGT	6044		1	0	1	0	1	0	1	0	1	0	1
SGT	6045		2	0	2	0	2	0	2	0	2	0	2
SGT	6047		1	0	1	0	1	0	1	0	1	0	1
SGT	6060		1	0	1	0	1	0	1	0	1	0	1
SGT	6094		1	0	1	0	1	0	1	0	1	0	1

## II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01		FY02		FY03		FY04		FY05	
				+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
SGT	6113		8	0	8	0	8	0	8	0	8	0	8
SGT	6123		1	0	1	0	1	0	1	0	1	0	1
SGT	6153		1	0	1	0	1	0	1	0	1	0	1
SGT	6173		3	0	3	0	3	0	3	0	3	0	3
SGT	6323		6	0	6	0	6	0	6	0	6	0	6
SGT	6412		1	0	1	0	1	0	1	0	1	0	1
SGT	6433		2	0	2	0	2	0	2	0	2	0	2
SGT	6483		1	0	1	0	1	0	1	0	1	0	1
SGT	6531		1	0	1	0	1	0	1	0	1	0	1
SGTMAJ	9999		1	0	1	0	1	0	1	0	1	0	1
SSGT	6047		2	0	2	0	2	0	2	0	2	0	2
SSGT	6060		1	0	1	0	1	0	1	0	1	0	1
SSGT	6113		5	0	5	0	5	0	5	0	5	0	5
SSGT	6153		4	0	4	0	4	0	4	0	4	0	4
SSGT	6173		2	0	2	0	2	0	2	0	2	0	2
SSGT	6323		2	0	2	0	2	0	2	0	2	0	2
SSGT	6414		3	0	3	0	3	0	3	0	3	0	3
SSGT	7041		1	0	1	0	1	0	1	0	1	0	1
SSGT	8421		1	0	1	0	1	0	1	0	1	0	1
SSGT	8711		1	0	1	0	1	0	1	0	1	0	1
LCPL	6531		1	0	1	0	1	0	1	0	1	0	1
Staff Billets USMC and AR													
CPL	6113		6	0	6	0	6	0	6	0	6	0	6
CPL	6123		2	0	2	0	2	0	2	0	2	0	2
CPL	6132		2	0	2	0	2	0	2	0	2	0	2
CPL	6153		4	0	4	0	4	0	4	0	4	0	4
CPL	6173		7	0	7	0	7	0	7	0	7	0	7
CPL	6323		3	0	3	0	3	0	3	0	3	0	3
CPL	0151		1	0	1	0	1	0	1	0	1	0	1
CPL	4066		1	0	1	0	1	0	1	0	1	0	1
CPL	6042		1	0	1	0	1	0	1	0	1	0	1
CPL	6672		1	0	1	0	1	0	1	0	1	0	1
CPL	7041		1	0	1	0	1	0	1	0	1	0	1
GYSGT	6113		2	0	2	0	2	0	2	0	2	0	2
GYSGT	6173		1	0	1	0	1	0	1	0	1	0	1
GYSGT	6323		3	0	3	0	3	0	3	0	3	0	3
GYSGT	6113		1	0	1	0	1	0	1	0	1	0	1
GYSGT	6123		1	0	1	0	1	0	1	0	1	0	1
GYSGT	6414		1	0	1	0	1	0	1	0	1	0	1
LCPL	0121		2	0	2	0	2	0	2	0	2	0	2
LCPL	0151		1	0	1	0	1	0	1	0	1	0	1
LCPL	4066		1	0	1	0	1	0	1	0	1	0	1
LCPL	6042		1	0	1	0	1	0	1	0	1	0	1
MSGT	6119		1	0	1	0	1	0	1	0	1	0	1
SGT	6113		9	0	9	0	9	0	9	0	9	0	9
SGT	6153		5	0	5	0	5	0	5	0	5	0	5
SGT	6173		2	0	2	0	2	0	2	0	2	0	2
SGT	6323		3	0	3	0	3	0	3	0	3	0	3
SGT	6433		2	0	2	0	2	0	2	0	2	0	2
SGT	6672		1	0	1	0	1	0	1	0	1	0	1

#### II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01		FY02		FY03		FY04		FY05	
				+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
SSGT	6113		1	0	1	0	1	0	1	0	1	0	1
SSGT	6153		3	0	3	0	3	0	3	0	3	0	3
SSGT	6323		4	0	4	0	4	0	4	0	4	0	4
SSGT	0193		1	0	1	0	1	0	1	0	1	0	1
SSGT	6047		1	0	1	0	1	0	1	0	1	0	1
SSGT	6123		2	0	2	0	2	0	2	0	2	0	2
SSGT	6132		1	0	1	0	1	0	1	0	1	0	1
SSGT	6434		2	0	2	0	2	0	2	0	2	0	2
<b>TOTAL USMC ENLISTED BILLETS:</b>													
Fleet Support			227	0	227	0	227	0	227	0	227	0	227
Staff			81	0	81	0	81	0	81	0	81	0	81

## II.B. PERSONNEL REQUIREMENTS

### II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: D-2C-2780, MH-53E AMCM Pilot Category I Pipeline

COURSE LENGTH: 23.0 Weeks

ATTRITION FACTOR: 0%

NAVY TOUR LENGTH: 36 Months

BACKOUT FACTOR: 0.46

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY01 OFF ENL	FY02 OFF ENL	FY03 OFF ENL	FY04 OFF ENL	FY05 OFF ENL
AWSTS, NB Norfolk							
NAVY	ACDU	9	9	9	9	9	
	TAR	1	1	1	1	1	
	SELRES	1	1	1	1	1	
	TOTAL:	11	11	11	11	11	

CIN, COURSE TITLE: D-2C-2781, MH-53E AMCM Pilot Category II Pipeline

COURSE LENGTH: 18.8 Weeks

ATTRITION FACTOR: 0%

NAVY TOUR LENGTH: 36 Months

BACKOUT FACTOR: 0.38

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY01 OFF ENL	FY02 OFF ENL	FY03 OFF ENL	FY04 OFF ENL	FY05 OFF ENL
AWSTS, NB Norfolk							
NAVY	ACDU	9	9	9	9	9	
	TAR	1	1	1	1	1	
	SELRES	1	1	1	1	1	
	TOTAL:	11	11	11	11	11	

CIN, COURSE TITLE: D-2C-2782, MH-53 VOD Pilot Category III Pipeline

COURSE LENGTH: 10.6 Weeks

ATTRITION FACTOR: 0%

NAVY TOUR LENGTH: 36 Months

BACKOUT FACTOR: 0.21

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY01 OFF ENL	FY02 OFF ENL	FY03 OFF ENL	FY04 OFF ENL	FY05 OFF ENL
AWSTS, NB Norfolk							
NAVY	ACDU	4	4	4	4	4	
	TAR	0	0	0	0	0	
	SELRES	1	0	1	0	1	
	TOTAL:	5	4	5	4	5	

CIN, COURSE TITLE: D-2C-2783, MH-53 VOD Fleet Replacement Pilot Category I Pipeline

COURSE LENGTH: 18.0 Weeks

ATTRITION FACTOR: 0%

NAVY TOUR LENGTH: 36 Months

BACKOUT FACTOR: 0.36

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY01 OFF ENL	FY02 OFF ENL	FY03 OFF ENL	FY04 OFF ENL	FY05 OFF ENL
AWSTS, NB Norfolk							
NAVY	ACDU	17	17	17	17	17	
	TAR	1	1	1	1	1	
	SELRES	2	2	2	2	2	
	TOTAL:	20	20	20	20	20	

## II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: D-2C-2784, MH-53E AMCM Pilot Category III Pipeline

COURSE LENGTH: 12.2 Weeks

ATTRITION FACTOR: 0%

NAVY TOUR LENGTH: 36 Months

BACKOUT FACTOR: 0.24

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01	FY02	FY03	FY04	FY05
	SELRES	OFF ENL				
AWSTS, NB Norfolk						
NAVY	ACDU	2	2	2	2	2
	TAR	0	0	0	0	0
	SELRES	0	0	0	1	0
	TOTAL:	2	2	2	3	2

CIN, COURSE TITLE: D-2C-2785, MH-53 VOD Pilot Category II Pipeline

COURSE LENGTH: 13.8 Weeks

ATTRITION FACTOR: 0%

NAVY TOUR LENGTH: 36 Months

BACKOUT FACTOR: 0.28

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01	FY02	FY03	FY04	FY05
	SELRES	OFF ENL				
AWSTS, NB Norfolk						
NAVY	ACDU	17	17	17	17	17
	TAR	1	1	1	1	1
	SELRES	2	2	2	2	2
	TOTAL:	20	20	20	20	20

CIN, COURSE TITLE: D-2C-2786, MH-53 VOD Pilot Category IV Pipeline

COURSE LENGTH: 6.8 Weeks

ATTRITION FACTOR: 0%

NAVY TOUR LENGTH: 36 Months

BACKOUT FACTOR: 0.14

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01	FY02	FY03	FY04	FY05
	SELRES	OFF ENL				
AWSTS, NB Norfolk						
NAVY	ACDU	4	4	4	4	4
	TAR	0	0	0	0	0
	SELRES	1	0	1	0	1
	TOTAL:	5	4	5	4	5

CIN, COURSE TITLE: D-2C-2787, MH-53E AMCM Pilot Category IV Pipeline

COURSE LENGTH: 8.4 Weeks

ATTRITION FACTOR: 0%

NAVY TOUR LENGTH: 36 Months

BACKOUT FACTOR: 0.17

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01	FY02	FY03	FY04	FY05
	SELRES	OFF ENL				
AWSTS, NB Norfolk						
NAVY	ACDU	2	2	2	2	2
	TAR	0	0	0	0	0
	SELRES	0	0	0	1	0
	TOTAL:	2	2	2	3	2

## II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

**CIN, COURSE TITLE:** D-050-2791, MH-53E Utility Aircrewman Category I Pipeline

**COURSE LENGTH:** 17.4 Weeks

**NAVY TOUR LENGTH:** 36 Months

**ATTRITION FACTOR:** 10%

**BACKOUT FACTOR:** 0.35

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY01 OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
AWSTS, NB Norfolk												
NAVY	ACDU			5		5		5		5		5
	TOTAL:			5		5		5		5		5

**CIN, COURSE TITLE:** D-050-2792, MH-53E Utility Fleet Replacement Aircrew Course Category 3 Pipeline

**COURSE LENGTH:** 5.6 Weeks

**NAVY TOUR LENGTH:** 36 Months

**ATTRITION FACTOR:** 10%

**BACKOUT FACTOR:** 0.11

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY01 OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
AWSTS, NB Norfolk												
NAVY	ACDU			1		1		1		1		1
	TOTAL:			1		1		1		1		1

**CIN, COURSE TITLE:** D-050-2793, MH-53E Airborne Mine Countermeasures (AMCM) Fleet Replacement Aircrewman

Category 1 Pipeline

**COURSE LENGTH:** 5.6 Weeks

**NAVY TOUR LENGTH:** 36 Months

**ATTRITION FACTOR:** 10%

**BACKOUT FACTOR:** 0.11

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY01 OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
AWSTS, NB Norfolk												
NAVY	ACDU			18		18		18		18		18
	TAR			2		2		2		2		2
	SELRES			1		1		1		1		1
	TOTAL:			21		21		21		21		21

**CIN, COURSE TITLE:** D-050-2796, MH-53E AMCM Fleet Replacement Aircrew Category III Pipeline

**COURSE LENGTH:** 3.4 Weeks

**NAVY TOUR LENGTH:** 36 Months

**ATTRITION FACTOR:** 10%

**BACKOUT FACTOR:** 0.07

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY01 OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
AWSTS, NB Norfolk												
NAVY	ACDU			4		4		4		4		4
	TAR			0		0		0		0		0
	SELRES			0		0		1		0		0
	TOTAL:			4		4		5		4		4

## II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

**CIN, COURSE TITLE:** D-102-2725, MH-53E Communication, Navigation, and Identification Systems Organizational Maintenance

**COURSE LENGTH:** 9.2 Weeks

**ATTRITION FACTOR:** 10%

**NAVY TOUR LENGTH:** 36 Months

**BACKOUT FACTOR:** 0.18

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	FY02 OFF ENL	FY03 OFF ENL	FY04 OFF ENL	FY05 OFF ENL
MTU 1031 NAMTRAU, NB Norfolk						
NAVY	ACDU	15	15	15	15	15
	TAR	3	3	3	3	3
	SELRES	1	1	1	1	1
	TOTAL:	19	19	19	19	19

**CIN, COURSE TITLE:** D-102-2727, AMCM Electronic / Electrical Systems Organizational / Intermediate Maintenance

**COURSE LENGTH:** 9.4 Weeks

**ATTRITION FACTOR:** 10%

**NAVY TOUR LENGTH:** 36 Months

**BACKOUT FACTOR:** 0.19

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	FY02 OFF ENL	FY03 OFF ENL	FY04 OFF ENL	FY05 OFF ENL
MTU 1031 NAMTRAU, NB Norfolk						
NAVY	ACDU	9	9	9	9	9
	TAR	4	4	4	4	4
	SELRES	1	1	1	1	1
	TOTAL:	14	14	14	14	14

**CIN, COURSE TITLE:** D-102-2735, MH-53 COM / NAV / IDENT (CNI) Systems (Initial) Organizational Maintenance

**COURSE LENGTH:** 4.4 Weeks

**ATTRITION FACTOR:** 10%

**NAVY TOUR LENGTH:** 36 Months

**BACKOUT FACTOR:** 0.09

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	FY02 OFF ENL	FY03 OFF ENL	FY04 OFF ENL	FY05 OFF ENL
MTU 1031 NAMTRAU, NB Norfolk						
NAVY	ACDU	9	9	9	9	9
	TAR	1	1	1	1	1
	SELRES	1	1	1	1	1
	TOTAL:	11	11	11	11	11

**CIN, COURSE TITLE:** D-102-2736, AMCM Electronic Systems (Initial) Organizational / Intermediate Maintenance

**COURSE LENGTH:** 1.0 Weeks

**ATTRITION FACTOR:** Navy: 10%

**NAVY TOUR LENGTH:** Navy: 36 Months

**BACKOUT FACTOR:** 0.00

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	FY02 OFF ENL	FY03 OFF ENL	FY04 OFF ENL	FY05 OFF ENL
MTU 1031 NAMTRAU, NB Norfolk						
NAVY	ACDU	1	1	1	1	1
	TAR	1	1	1	1	1
	SELRES	1	1	1	1	1
	TOTAL:	3	3	3	3	3

## II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: D-600-2700, MH/CH-53E Plane Captain

COURSE LENGTH: 3.4 Weeks

ATTRITION FACTOR: 10%

NAVY TOUR LENGTH: 36 Months

BACKOUT FACTOR: 0.07

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
MTU 1031 NAMTRAU, NB Norfolk												
NAVY	ACDU		60		60		60		60		60	
	TAR		3		3		3		3		3	
	SELRES		7		7		7		7		7	
	TOTAL:		70		70		70		70		70	

CIN, COURSE TITLE: D-601-2715, MH-53E Power Plants and Related Systems Maintenance

COURSE LENGTH: 10.4 Weeks

ATTRITION FACTOR: 10%

NAVY TOUR LENGTH: 36 Months

BACKOUT FACTOR: 0.21

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
MTU 1031 NAMTRAU, NB Norfolk												
NAVY	ACDU		28		28		28		28		28	
	TAR		6		6		6		6		6	
	SELRES		2		2		2		2		2	
	TOTAL:		36		36		36		36		36	

CIN, COURSE TITLE: D-601-2721, AMCM Structures and Hydraulic Systems (Career) Organizational Maintenance

COURSE LENGTH: 3.4 Weeks

ATTRITION FACTOR: 10%

NAVY TOUR LENGTH: 36 Months

BACKOUT FACTOR: 0.07

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
MTU 1031 NAMTRAU, NB Norfolk												
NAVY	ACDU		3		3		3		3		3	
	TAR		1		1		1		1		1	
	SELRES		0		0		0		0		1	
	TOTAL:		4		4		4		4		5	

CIN, COURSE TITLE: D-601-2722, MH-53E Power Plants and Related Systems (Initial) Organizational Maintenance

COURSE LENGTH: 4.4 Weeks

ATTRITION FACTOR: 10%

NAVY TOUR LENGTH: 36 Months

BACKOUT FACTOR: 0.09

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
MTU 1031 NAMTRAU, NB Norfolk												
NAVY	ACDU		16		16		16		16		16	
	TAR		4		4		4		4		4	
	SELRES		1		1		1		1		1	
	TOTAL:		21		21		21		21		21	

## II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: D-601-2723, AMCM Mechanical Systems (Initial) Maintenance

COURSE LENGTH: 2.2 Weeks

NAVY TOUR LENGTH: 36 Months

ATTRITION FACTOR: 10%

BACKOUT FACTOR: 0.04

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
MTU 1031 NAMTRAU, NB Norfolk												
NAVY	ACDU		2		2		2		2		2	
	SELRES		0		1		0		0		0	
	TOTAL:		2		3		2		2		2	

CIN, COURSE TITLE: D-602-2753, MH-53E Electrical / Instrument System and Automatic Flight Control System (AFCS) (Initial)

Organizational Maintenance

COURSE LENGTH: 4.4 Weeks

NAVY TOUR LENGTH: 36 Months

ATTRITION FACTOR: 10%

BACKOUT FACTOR: 0.09

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
MTU 1031 NAMTRAU, NB Norfolk												
NAVY	ACDU		12		12		12		12		12	
	TAR		1		1		1		1		1	
	SELRES		1		1		1		1		1	
	TOTAL:		14		14		14		14		14	

CIN, COURSE TITLE: D-602-2754, AMCM Electrical System (Initial) Organizational / Intermediate Maintenance

COURSE LENGTH: 2.4 Weeks

NAVY TOUR LENGTH: 36 Months

ATTRITION FACTOR: 10%

BACKOUT FACTOR: 0.05

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
MTU 1031 NAMTRAU, NB Norfolk												
NAVY	ACDU		3		3		3		3		3	
	SELRES		1		0		1		0		1	
	TOTAL:		4		3		4		3		4	

CIN, COURSE TITLE: D-602-2758, MH-53E Electrical / Instrument System and Automatic Flight Control System (AFCS)

Organizational Maintenance

COURSE LENGTH: 16.4 Weeks

NAVY TOUR LENGTH: 36 Months

ATTRITION FACTOR: 10%

BACKOUT FACTOR: 0.33

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
MTU 1031 NAMTRAU, NB Norfolk												
NAVY	ACDU		20		20		20		20		20	
	TAR		4		4		4		4		4	
	SELRES		2		2		2		2		2	
	TOTAL:		26		26		26		26		26	

## II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

**CIN, COURSE TITLE:** D-602-2760, AMCM Electrical System (Career) Organizational / Intermediate Maintenance

**COURSE LENGTH:** 3.4 Weeks

**NAVY TOUR LENGTH:** 36 Months

**ATTRITION FACTOR:** 10%

**BACKOUT FACTOR:** 0.07

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
MTU 1031 NAMTRAU, NB Norfolk												
NAVY	ACDU		1		1		1		1		1	
	TAR		1		1		1		1		1	
	TOTAL:		2		2		2		2		2	

**CIN, COURSE TITLE:** D-602-2785, MH-53E Airframes and Hydraulic Systems Organizational Maintenance

**COURSE LENGTH:** 13.8 Weeks

**NAVY TOUR LENGTH:** 36 Months

**ATTRITION FACTOR:** 10%

**BACKOUT FACTOR:** 0.28

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
MTU 1031 NAMTRAU, NB Norfolk												
NAVY	ACDU		39		39		39		39		39	
	TAR		11		11		11		11		11	
	SELRES		2		2		2		2		2	
	TOTAL:		52		52		52		52		52	

**CIN, COURSE TITLE:** D-602-2788, AMCM Structures and Hydraulic Systems (Initial) Organizational Maintenance

**COURSE LENGTH:** 2.4 Weeks

**NAVY TOUR LENGTH:** 36 Months

**ATTRITION FACTOR:** 10%

**BACKOUT FACTOR:** 0.05

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
MTU 1031 NAMTRAU, NB Norfolk												
NAVY	ACDU		9		9		9		9		9	
	TAR		3		3		3		3		3	
	SELRES		1		1		1		1		1	
	TOTAL:		13		13		13		13		13	

**CIN, COURSE TITLE:** D-602-2789, MH-53E Airframes and Hydraulic Systems (Initial) Organizational Maintenance

**COURSE LENGTH:** 2.4 Weeks

**NAVY TOUR LENGTH:** 36 Months

**ATTRITION FACTOR:** 10%

**BACKOUT FACTOR:** 0.05

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
MTU 1031 NAMTRAU, NB Norfolk												
NAVY	ACDU		25		25		25		25		25	
	TAR		7		7		7		7		7	
	SELRES		2		2		2		2		2	
	TOTAL:		34		34		34		34		34	

## II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: D-601-2717, AMCM Mechanical Systems Maintenance

COURSE LENGTH: 4.4 Weeks

ATTRITION FACTOR: 10%

NAVY TOUR LENGTH: 36 Months

BACKOUT FACTOR: 0.09

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
MTU 1031 NAMTRAU, NB Norfolk												
NAVY	ACDU		15		15		15		15		15	
	TAR		4		4		4		4		4	
	SELRES		1		1		1		1		1	
	TOTAL:		20		20		20		20		20	

CIN, COURSE TITLE: A-100-0072, Miniature Electronics Repair

COURSE LENGTH: 4.0 Weeks

ATTRITION FACTOR: 10%

NAVY TOUR LENGTH: 36 Months

BACKOUT FACTOR: 0.08

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
FTC San Diego, NS San Diego												
NAVY	SELRES		0		0		0		0		0	
	TOTAL:		0		0		0		0		0	

CIN, COURSE TITLE: D-102-6039, Electronics Identification Equipment Intermediate Maintenance

COURSE LENGTH: 9.4 Weeks

ATTRITION FACTOR: 10%

NAVY TOUR LENGTH: 36 Months

BACKOUT FACTOR: 0.19

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
MTU 1007 NAMTRAU, NAS Oceana												
NAVY	ACDU		1		1		1		1		1	
	TAR		1		1		1		1		1	
	TOTAL:		2		2		2		2		2	

CIN, COURSE TITLE: E-102-6109, Radar Altimeter Equipment Intermediate Maintenance

COURSE LENGTH: 4.4 Weeks

ATTRITION FACTOR: 10%

NAVY TOUR LENGTH: 36 Months

BACKOUT FACTOR: 0.09

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
MTU 1067 NAMTRAU, NAS North Island												
NAVY	ACDU		1		1		1		1		1	
	TOTAL:		1		1		1		1		1	

CIN, COURSE TITLE: D-102-6152, UHF Communications Equipment Intermediate Maintenance

COURSE LENGTH: 6.0 Weeks

ATTRITION FACTOR: 10%

NAVY TOUR LENGTH: 36 Months

BACKOUT FACTOR: 0.12

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
MTU 1007 NAMTRAU, NAS Oceana												
NAVY	ACDU		1		1		1		1		1	
	TAR		1		1		1		1		1	
	TOTAL:		2		2		2		2		2	

## II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: D-601-3000, T-64 Engine First Degree Intermediate Maintenance

COURSE LENGTH: 6.4 Weeks

NAVY TOUR LENGTH: 36 Months

ATTRITION FACTOR: 10%

BACKOUT FACTOR: 0.13

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
MTU 1031 NAMTRAU, NB Norfolk												
NAVY	ACDU			3		3		3		3		3
	TOTAL:			3		3		3		3		3

CIN, COURSE TITLE: D-602-4008, Hydraulic Components Intermediate Maintenance

COURSE LENGTH: 3.4 Weeks

NAVY TOUR LENGTH: 36 Months

ATTRITION FACTOR: 10%

BACKOUT FACTOR: 0.07

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
MTU 1007 NAMTRAU, NAS Oceana												
NAVY	ACDU			0		0		0		0		0
	TOTAL:			0		0		0		0		0

CIN, COURSE TITLE: D-602-5028, Attitude Heading Reference System Intermediate Maintenance

COURSE LENGTH: 4.4 Weeks

NAVY TOUR LENGTH: 36 Months

ATTRITION FACTOR: 10%

BACKOUT FACTOR: 0.09

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
MTU 1007 NAMTRAU, NAS Oceana												
NAVY	ACDU			1		1		1		1		1
	TOTAL:			1		1		1		1		1

CIN, COURSE TITLE: D-602-5056, Helicopter Automatic Stabilization Equipment Intermediate Maintenance

COURSE LENGTH: 6.6 Weeks

NAVY TOUR LENGTH: 36 Months

ATTRITION FACTOR: 10%

BACKOUT FACTOR: 0.13

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
MTU 1007 NAMTRAU, NAS Oceana												
NAVY	ACDU			3		3		3		3		3
	TOTAL:			3		3		3		3		3

CIN, COURSE TITLE: D-602-7035, Support Equipment Mobile Air Conditioner Intermediate Maintenance

COURSE LENGTH: 7.8 Weeks

NAVY TOUR LENGTH: 36 Months

ATTRITION FACTOR: 10%

BACKOUT FACTOR: 0.16

TRAINING ACTIVITY	ACDU/TAR SOURCE	CFY01 SELRES	OFF	ENL	FY02 OFF	ENL	FY03 OFF	ENL	FY04 OFF	ENL	FY05 OFF	ENL
MTU 1007 NAMTRAU, NAS Oceana												
NAVY	ACDU			1		1		1		1		1
	TOTAL:			1		1		1		1		1

## II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: C-603-3191, Aircraft Non-Destructive Inspection Technician Class C1

COURSE LENGTH: 14.8 Weeks

NAVY TOUR LENGTH: 36 Months

ATTRITION FACTOR: 10%

BACKOUT FACTOR: 0.30

TRAINING ACTIVITY	ACDU/TAR SOURCE	ACDU/TAR SELRES	CFY01 OFF	CFY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL
NATTTC Pensacola, NAS Pensacola												
NAVY	ACDU			4		4		4		4		4
	TOTAL:			4		4		4		4		4

CIN, COURSE TITLE: E-603-4007, Airframes Intermediate Maintenance

COURSE LENGTH: 4.2 Weeks

NAVY TOUR LENGTH: 36 Months

ATTRITION FACTOR: 10%

BACKOUT FACTOR: 0.08

TRAINING ACTIVITY	ACDU/TAR SOURCE	ACDU/TAR SELRES	CFY01 OFF	CFY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL
MTU 1038 NAMTRAU, NAS Lemoore												
NAVY	ACDU			1		1		1		1		1
	TAR			1		1		1		1		1
	TOTAL:			2		2		2		2		2

## **PART III - TRAINING REQUIREMENTS**

The following elements are not affected by the MH-53E Helicopter and, therefore, are not included in Part III of this NTSP:

III.A.1. Initial Training Requirements

III.A.2. Follow-on Training

    III.A.2.b. Planned Courses

    III.A.2.c. Unique Courses

III.A.3. Existing Training Phased Out

## PART III - TRAINING REQUIREMENTS

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

#### III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-2C-2780, MH-53E AMCM Pilot Category I Pipeline

TRAINING ACTIVITY: AWSTS

LOCATION, UIC: Norfolk, 69022

SOURCE: NAVY

STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
10		10		10		10		10		ATIR
10		10		10		10		10		Output
4.3		4.3		4.3		4.3		4.3		AOB
4.3		4.3		4.3		4.3		4.3		Chargeable

SOURCE: NAVY

STUDENT CATEGORY: SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
1		1		1		1		1		ATIR
1		1		1		1		1		Output
0.4		0.4		0.4		0.4		0.4		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

CIN, COURSE TITLE: D-2C-2781, MH-53E AMCM Pilot Category II Pipeline

TRAINING ACTIVITY: AWSTS

LOCATION, UIC: Norfolk, 69022

SOURCE: NAVY

STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
10		10		10		10		10		ATIR
10		10		10		10		10		Output
3.6		3.6		3.6		3.6		3.6		AOB
3.6		3.6		3.6		3.6		3.6		Chargeable

SOURCE: NAVY

STUDENT CATEGORY: SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
1		1		1		1		1		ATIR
1		1		1		1		1		Output
0.4		0.4		0.4		0.4		0.4		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

### III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-2C-2782, MH-53 VOD Pilot Category III Pipeline

TRAINING ACTIVITY: AWSTS

LOCATION, UIC: Norfolk, 69022

SOURCE: NAVY

STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
4		4		4		4		4		ATIR
4		4		4		4		4		Output
0.8		0.8		0.8		0.8		0.8		AOB
0.8		0.8		0.8		0.8		0.8		Chargeable

SOURCE: NAVY

STUDENT CATEGORY: SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
1		0		1		0		1		ATIR
1		0		1		0		1		Output
0.2		0.0		0.2		0.0		0.2		AOB
0.2		0.0		0.2		0.0		0.2		Chargeable

CIN, COURSE TITLE: D-2C-2783, MH-53 VOD Fleet Replacement Pilot Category I Pipeline

TRAINING ACTIVITY: AWSTS

LOCATION, UIC: Norfolk, 69022

SOURCE: NAVY

STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
18		18		18		18		18		ATIR
18		18		18		18		18		Output
6.1		6.1		6.1		6.1		6.1		AOB
6.1		6.1		6.1		6.1		6.1		Chargeable

SOURCE: NAVY

STUDENT CATEGORY: SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
2		2		2		2		2		ATIR
2		2		2		2		2		Output
0.7		0.7		0.7		0.7		0.7		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

### III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-2C-2784, MH-53E AMCM Pilot Category III Pipeline

TRAINING ACTIVITY: AWSTS

LOCATION, UIC: Norfolk, 69022

SOURCE: NAVY

STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
2		2		2		2		2		ATIR
2		2		2		2		2		Output
0.5		0.5		0.5		0.5		0.5		AOB
0.5		0.5		0.5		0.5		0.5		Chargeable

SOURCE: NAVY

STUDENT CATEGORY: SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0		0		0		1		0		ATIR
0		0		0		1		0		Output
0.0		0.0		0.0		0.2		0.0		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

CIN, COURSE TITLE: D-2C-2785, MH-53 VOD Pilot Category II Pipeline

TRAINING ACTIVITY: AWSTS

LOCATION, UIC: Norfolk, 69022

SOURCE: NAVY

STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
18		18		18		18		18		ATIR
18		18		18		18		18		Output
4.7		4.7		4.7		4.7		4.7		AOB
4.7		4.7		4.7		4.7		4.7		Chargeable

SOURCE: NAVY

STUDENT CATEGORY: SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
2		2		2		2		2		ATIR
2		2		2		2		2		Output
0.5		0.5		0.5		0.5		0.5		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

### III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-2C-2786, MH-53 VOD Pilot Category IV Pipeline

TRAINING ACTIVITY: AWSTS

LOCATION, UIC: Norfolk, 69022

SOURCE: NAVY

STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
4		4		4		4		4		ATIR
4		4		4		4		4		Output
0.5		0.5		0.5		0.5		0.5		AOB
0.5		0.5		0.5		0.5		0.5		Chargeable

SOURCE: NAVY

STUDENT CATEGORY: SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
1		0		1		0		1		ATIR
1		0		1		0		1		Output
0.1		0.0		0.1		0.0		0.1		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

CIN, COURSE TITLE: D-2C-2787, MH-53E AMCM Pilot Category IV Pipeline

TRAINING ACTIVITY: AWSTS

LOCATION, UIC: Norfolk, 69022

SOURCE: NAVY

STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
2		2		2		2		2		ATIR
2		2		2		2		2		Output
0.3		0.3		0.3		0.3		0.3		AOB
0.3		0.3		0.3		0.3		0.3		Chargeable

SOURCE: NAVY

STUDENT CATEGORY: SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0		0		0		1		0		ATIR
0		0		0		1		0		Output
0.0		0.0		0.0		0.2		0.0		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

### III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-050-2791, MH-53E Utility Aircrewman Category I Pipeline

TRAINING ACTIVITY: AWSTS

LOCATION, UIC: Norfolk, 69022

SOURCE: NAVY STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	5		5		5		5		5	ATIR
	5		5		5		5		5	Output
	1.6		1.6		1.6		1.6		1.6	AOB
	1.6		1.6		1.6		1.6		1.6	Chargeable

CIN, COURSE TITLE: D-050-2792, MH-53E Utility Fleet Replacement Aircrew Course Category 3 Pipeline

TRAINING ACTIVITY: AWSTS

LOCATION, UIC: Norfolk, 69022

SOURCE: NAVY STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	1		1		1		1		1	ATIR
	1		1		1		1		1	Output
	0.1		0.1		0.1		0.1		0.1	AOB
	0.1		0.1		0.1		0.1		0.1	Chargeable

CIN, COURSE TITLE: D-050-2793, MH-53E Airborne Mine Countermeasures (AMCM) Fleet Replacement Aircrewman Category 1 Pipeline

TRAINING ACTIVITY: AWSTS

LOCATION, UIC: Norfolk, 69022

SOURCE: NAVY STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	20		20		20		20		20	ATIR
	18		18		18		18		18	Output
	2.0		2.0		2.0		2.0		2.0	AOB
	2.0		2.0		2.0		2.0		2.0	Chargeable

SOURCE: NAVY STUDENT CATEGORY: SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	1		1		1		1		1	ATIR
	1		1		1		1		1	Output
	0.1		0.1		0.1		0.1		0.1	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

### III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-050-2796, MH-53E AMCM Fleet Replacement Aircrew Category III Pipeline

TRAINING ACTIVITY: AWSTS

LOCATION, UIC: Norfolk, 69022

SOURCE: NAVY STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	4		4		4		4		4	ATIR
	4		4		4		4		4	Output
0.2		0.2		0.2		0.2		0.2		AOB
0.2		0.2		0.2		0.2		0.2		Chargeable

SOURCE: NAVY STUDENT CATEGORY: SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	0		0		1		0		0	ATIR
	0		0		1		0		0	Output
0.0		0.0		0.1		0.0		0.0		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

CIN, COURSE TITLE: D-102-2725, MH-53E Communication, Navigation, and Identification Systems Organizational Maintenance

TRAINING ACTIVITY: MTU 1031 NAMTRAU

LOCATION, UIC: Norfolk, 66046

SOURCE: NAVY STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	18		18		18		18		18	ATIR
	16		16		16		16		16	Output
3.0		3.0		3.0		3.0		3.0		AOB
3.0		3.0		3.0		3.0		3.0		Chargeable

SOURCE: NAVY STUDENT CATEGORY: SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	1		1		1		1		1	ATIR
	1		1		1		1		1	Output
0.2		0.2		0.2		0.2		0.2		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

### III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-102-2727, AMCM Electronic / Electrical Systems Organizational / Intermediate Maintenance

TRAINING ACTIVITY: MTU 1031 NAMTRAU

LOCATION, UIC: Norfolk, 66046

SOURCE: NAVY

STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	13		13		13		13		13	ATIR
	12		12		12		12		12	Output
	2.2		2.2		2.2		2.2		2.2	AOB
	2.2		2.2		2.2		2.2		2.2	Chargeable

SOURCE: NAVY

STUDENT CATEGORY: SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	1		1		1		1		1	ATIR
	1		1		1		1		1	Output
	0.2		0.2		0.2		0.2		0.2	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

CIN, COURSE TITLE: D-102-2735, MH-53 COM / NAV / IDENT (CNI) Systems (Initial) Organizational Maintenance

TRAINING ACTIVITY: MTU 1031 NAMTRAU

LOCATION, UIC: Norfolk, 66046

SOURCE: NAVY

STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	10		10		10		10		10	ATIR
	9		9		9		9		9	Output
	0.8		0.8		0.8		0.8		0.8	AOB
	0.8		0.8		0.8		0.8		0.8	Chargeable

SOURCE: NAVY

STUDENT CATEGORY: SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	1		1		1		1		1	ATIR
	1		1		1		1		1	Output
	0.1		0.1		0.1		0.1		0.1	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

### III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-102-2736, AMCM Electronic Systems (Initial) Organizational / Intermediate Maintenance

TRAINING ACTIVITY: MTU 1031 NAMTRAU

LOCATION, UIC: Norfolk, 66046

SOURCE: NAVY

STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	2		2		2		2		2	ATIR
	2		2		2		2		2	Output
0.0	0.0		0.0		0.0		0.0		0.0	AOB
0.0	0.0		0.0		0.0		0.0		0.0	Chargeable

SOURCE: NAVY

STUDENT CATEGORY: SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	1		1		1		1		1	ATIR
	1		1		1		1		1	Output
0.0	0.0		0.0		0.0		0.0		0.0	AOB
0.0	0.0		0.0		0.0		0.0		0.0	Chargeable

CIN, COURSE TITLE: D-600-2700, MH/CH-53E Plane Captain

TRAINING ACTIVITY: MTU 1031 NAMTRAU

LOCATION, UIC: Norfolk, 66046

SOURCE: NAVY

STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
63		63		63		63		63		ATIR
57		57		57		57		57		Output
3.8		3.8		3.8		3.8		3.8		AOB
3.8		3.8		3.8		3.8		3.8		Chargeable

SOURCE: NAVY

STUDENT CATEGORY: SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
7		7		7		7		7		ATIR
7		7		7		7		7		Output
0.4		0.4		0.4		0.4		0.4		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

### III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-601-2715, MH-53E Power Plants and Related Systems Maintenance

TRAINING ACTIVITY: MTU 1031 NAMTRAU

LOCATION, UIC: Norfolk, 66046

SOURCE: NAVY

STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	34		34		34		34		34	ATIR
	31		31		31		31		31	Output
	6.3		6.3		6.3		6.3		6.3	AOB
	6.3		6.3		6.3		6.3		6.3	Chargeable

SOURCE: NAVY

STUDENT CATEGORY: SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	2		2		2		2		2	ATIR
	2		2		2		2		2	Output
	0.4		0.4		0.4		0.4		0.4	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

CIN, COURSE TITLE: D-601-2721, AMCM Structures and Hydraulic Systems (Career) Organizational Maintenance

TRAINING ACTIVITY: MTU 1031 NAMTRAU

LOCATION, UIC: Norfolk, 66046

SOURCE: NAVY

STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	4		4		4		4		4	ATIR
	4		4		4		4		4	Output
	0.3		0.3		0.3		0.3		0.3	AOB
	0.3		0.3		0.3		0.3		0.3	Chargeable

SOURCE: NAVY

STUDENT CATEGORY: SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	0		0		0		0		1	ATIR
	0		0		0		0		1	Output
	0.0		0.0		0.0		0.0		0.1	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

### III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-601-2722, MH-53E Power Plants and Related Systems (Initial) Organizational Maintenance  
 TRAINING ACTIVITY: MTU 1031 NAMTRAU  
 LOCATION, UIC: Norfolk, 66046

SOURCE: NAVY STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	20		20		20		20		20	ATIR
	18		18		18		18		18	Output
	1.5		1.5		1.5		1.5		1.5	AOB
	1.5		1.5		1.5		1.5		1.5	Chargeable

SOURCE: NAVY STUDENT CATEGORY: SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	1		1		1		1		1	ATIR
	1		1		1		1		1	Output
	0.1		0.1		0.1		0.1		0.1	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

CIN, COURSE TITLE: D-601-2723, AMCM Mechanical Systems (Initial) Maintenance  
 TRAINING ACTIVITY: MTU 1031 NAMTRAU  
 LOCATION, UIC: Norfolk, 66046

SOURCE: NAVY STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	2		2		2		2		2	ATIR
	2		2		2		2		2	Output
	0.1		0.1		0.1		0.1		0.1	AOB
	0.1		0.1		0.1		0.1		0.1	Chargeable

SOURCE: NAVY STUDENT CATEGORY: SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	0		1		0		0		0	ATIR
	0		1		0		0		0	Output
	0.0		0.0		0.0		0.0		0.0	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

### III.A.2.a. EXISTING COURSES

**CIN, COURSE TITLE:** D-602-2753, MH-53E Electrical / Instrument System and Automatic Flight Control System (AFCS)  
 (Initial) Organizational Maintenance  
**TRAINING ACTIVITY:** MTU 1031 NAMTRAU  
**LOCATION, UIC:** Norfolk, 66046

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

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
13		13		13		13		13		ATIR
12		12		12		12		12		Output
1.0		1.0		1.0		1.0		1.0		AOB
1.0		1.0		1.0		1.0		1.0		Chargeable

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

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
1		1		1		1		1		ATIR
1		1		1		1		1		Output
0.1		0.1		0.1		0.1		0.1		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

**CIN, COURSE TITLE:** D-602-2754, AMCM Electrical System (Initial) Organizational / Intermediate Maintenance  
**TRAINING ACTIVITY:** MTU 1031 NAMTRAU  
**LOCATION, UIC:** Norfolk, 66046

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

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
3		3		3		3		3		ATIR
3		3		3		3		3		Output
0.1		0.1		0.1		0.1		0.1		AOB
0.1		0.1		0.1		0.1		0.1		Chargeable

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

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
1		0		1		0		1		ATIR
1		0		1		0		1		Output
0.0		0.0		0.0		0.0		0.0		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

### III.A.2.a. EXISTING COURSES

**CIN, COURSE TITLE:** D-602-2758, MH-53E Electrical / Instrument System and Automatic Flight Control System (AFCS)  
**ORGANIZATIONAL MAINTENANCE**

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU  
**LOCATION, UIC:** Norfolk, 66046

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

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
24		24		24		24		24		ATIR
22		22		22		22		22		Output
7.1		7.1		7.1		7.1		7.1		AOB
7.1		7.1		7.1		7.1		7.1		Chargeable

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

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
2		2		2		2		2		ATIR
2		2		2		2		2		Output
0.6		0.6		0.6		0.6		0.6		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

**CIN, COURSE TITLE:** D-602-2760, AMCM Electrical System (Career) Organizational / Intermediate Maintenance  
**TRAINING ACTIVITY:** MTU 1031 NAMTRAU  
**LOCATION, UIC:** Norfolk, 66046

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

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
2		2		2		2		2		ATIR
2		2		2		2		2		Output
0.2		0.2		0.2		0.2		0.2		AOB
0.2		0.2		0.2		0.2		0.2		Chargeable

### III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-602-2785, MH-53E Airframes and Hydraulic Systems Organizational Maintenance

TRAINING ACTIVITY: MTU 1031 NAMTRAU

LOCATION, UIC: Norfolk, 66046

SOURCE: NAVY

STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
50		50		50		50		50		ATIR
45		45		45		45		45		Output
12.3		12.3		12.3		12.3		12.3		AOB
12.3		12.3		12.3		12.3		12.3		Chargeable

SOURCE: NAVY

STUDENT CATEGORY: SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
2		2		2		2		2		ATIR
2		2		2		2		2		Output
0.5		0.5		0.5		0.5		0.5		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

CIN, COURSE TITLE: D-602-2788, AMCM Structures and Hydraulic Systems (Initial) Organizational Maintenance

TRAINING ACTIVITY: MTU 1031 NAMTRAU

LOCATION, UIC: Norfolk, 66046

SOURCE: NAVY

STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
12		12		12		12		12		ATIR
11		11		11		11		11		Output
0.5		0.5		0.5		0.5		0.5		AOB
0.5		0.5		0.5		0.5		0.5		Chargeable

SOURCE: NAVY

STUDENT CATEGORY: SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
1		1		1		1		1		ATIR
1		1		1		1		1		Output
0.0		0.0		0.0		0.0		0.0		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

### III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-602-2789, MH-53E Airframes and Hydraulic Systems (Initial) Organizational Maintenance

TRAINING ACTIVITY: MTU 1031 NAMTRAU

LOCATION, UIC: Norfolk, 66046

SOURCE: NAVY

STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	32		32		32		32		32	ATIR
	29		29		29		29		29	Output
	1.3		1.3		1.3		1.3		1.3	AOB
	1.3		1.3		1.3		1.3		1.3	Chargeable

SOURCE: NAVY

STUDENT CATEGORY: SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	2		2		2		2		2	ATIR
	2		2		2		2		2	Output
	0.1		0.1		0.1		0.1		0.1	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

CIN, COURSE TITLE: D-601-2717, AMCM Mechanical Systems Maintenance

TRAINING ACTIVITY: MTU 1031 NAMTRAU

LOCATION, UIC: Norfolk, 66046

SOURCE: NAVY

STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	19		19		19		19		19	ATIR
	17		17		17		17		17	Output
	1.5		1.5		1.5		1.5		1.5	AOB
	1.5		1.5		1.5		1.5		1.5	Chargeable

SOURCE: NAVY

STUDENT CATEGORY: SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	1		1		1		1		1	ATIR
	1		1		1		1		1	Output
	0.1		0.1		0.1		0.1		0.1	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

### III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: A-100-0072, Miniature Electronics Repair

TRAINING ACTIVITY: FTC San Diego

LOCATION, UIC: San Diego, 49365

SOURCE: NAVY STUDENT CATEGORY: SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	0	0	0	0	0	0	0	0	0	ATIR
0	0	0	0	0	0	0	0	0	0	Output
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

CIN, COURSE TITLE: D-102-6039, Electronics Identification Equipment Intermediate Maintenance

TRAINING ACTIVITY: MTU 1007 NAMTRAU

LOCATION, UIC: Oceana, 66045

SOURCE: NAVY STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
2	2	2	2	2	2	2	2	2	2	ATIR
2	2	2	2	2	2	2	2	2	2	Output
0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	AOB
0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	Chargeable

CIN, COURSE TITLE: E-102-6109, Radar Altimeter Equipment Intermediate Maintenance

TRAINING ACTIVITY: MTU 1067 NAMTRAU

LOCATION, UIC: North Island, 66065

SOURCE: NAVY STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
1	1	1	1	1	1	1	1	1	1	ATIR
1	1	1	1	1	1	1	1	1	1	Output
0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	AOB
0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	Chargeable

CIN, COURSE TITLE: D-102-6152, UHF Communications Equipment Intermediate Maintenance

TRAINING ACTIVITY: MTU 1007 NAMTRAU

LOCATION, UIC: Oceana, 66045

SOURCE: NAVY STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
2	2	2	2	2	2	2	2	2	2	ATIR
2	2	2	2	2	2	2	2	2	2	Output
0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	AOB
0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	Chargeable

### III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-601-3000, T-64 Engine First Degree Intermediate Maintenance

TRAINING ACTIVITY: MTU 1031 NAMTRAU

LOCATION, UIC: Norfolk, 66046

SOURCE: NAVY

STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	3		3		3		3		3	ATIR
	3		3		3		3		3	Output
0.3		0.3		0.3		0.3		0.3		AOB
0.3		0.3		0.3		0.3		0.3		Chargeable

CIN, COURSE TITLE: D-602-4008, Hydraulic Components Intermediate Maintenance

TRAINING ACTIVITY: MTU 1007 NAMTRAU

LOCATION, UIC: Oceana, 66045

SOURCE: NAVY

STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	0		0		0		0		0	ATIR
	0		0		0		0		0	Output
0.0		0.0		0.0		0.0		0.0		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

CIN, COURSE TITLE: D-602-5028, Attitude Heading Reference System Intermediate Maintenance

TRAINING ACTIVITY: MTU 1007 NAMTRAU

LOCATION, UIC: Oceana, 66045

SOURCE: NAVY

STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	1		1		1		1		1	ATIR
	1		1		1		1		1	Output
0.1		0.1		0.1		0.1		0.1		AOB
0.1		0.1		0.1		0.1		0.1		Chargeable

CIN, COURSE TITLE: D-602-5056, Helicopter Automatic Stabilization Equipment Intermediate Maintenance

TRAINING ACTIVITY: MTU 1007 NAMTRAU

LOCATION, UIC: Oceana, 66045

SOURCE: NAVY

STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	3		3		3		3		3	ATIR
	3		3		3		3		3	Output
0.4		0.4		0.4		0.4		0.4		AOB
0.4		0.4		0.4		0.4		0.4		Chargeable

### III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-602-7035, Support Equipment Mobile Air Conditioner Intermediate Maintenance

TRAINING ACTIVITY: MTU 1007 NAMTRAU

LOCATION, UIC: Oceana, 66045

SOURCE: NAVY

STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	1		1		1		1		1	ATIR
	1		1		1		1		1	Output
0.1		0.1		0.1		0.1		0.1	0.1	AOB
0.1		0.1		0.1		0.1		0.1	0.1	Chargeable

CIN, COURSE TITLE: C-603-3191, Aircraft Non-Destructive Inspection Technician Class C1

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, 39831

SOURCE: NAVY

STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	4		4		4		4		4	ATIR
	4		4		4		4		4	Output
1.1		1.1		1.1		1.1		1.1	1.1	AOB
1.1		1.1		1.1		1.1		1.1	1.1	Chargeable

CIN, COURSE TITLE: E-603-4007, Airframes Intermediate Maintenance

TRAINING ACTIVITY: MTU 1038 NAMTRAU

LOCATION, UIC: Lemoore, 66060

SOURCE: NAVY

STUDENT CATEGORY: ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	2		2		2		2		2	ATIR
	2		2		2		2		2	Output
0.2		0.2		0.2		0.2		0.2	0.2	AOB
0.2		0.2		0.2		0.2		0.2	0.2	Chargeable

## **PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS**

The following elements are not affected by the MH-53E Helicopter and, therefore, are not included in Part IV of this NTSP:

IV.B.1. Training Services

IV.C. Facility Requirements

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

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

IV.C.3. Facility Project Summary by Program

## PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

### IV.A. TRAINING HARDWARE

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

**CIN, COURSE TITLE:** C-102-9444, MH-53E Communication, Navigation and Identification (CNI) Systems Career Organizational Maintenance, as part of track D-102-2725

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
<b>TTE</b>					
017	TACAN Test Set, P/N 1000-0000	1	Mar 91	GFE	Onboard
018	Test Set Radio, P/N AN/ARM186	1	Mar 91	GFE	Onboard
023	Watt Meter, P/N 4410-025	1	Mar 91	GFE	Onboard
<b>SPTE</b>					
019	Test Set Transponder, P/N 155600	1	Mar 91	GFE	Onboard
020	Beacon Test Set, P/N ANAMP230B	1	Mar 91	GFE	Onboard
021	Time Domain Reflectometer, P/N 1502COPT03-04	1	Mar 91	GFE	Onboard
022	Ramp Test Set, P/N 9000019	1	Mar 91	GFE	Onboard
024	Soldering Station, P/N 00-S-256	10	Mar 91	GFE	Onboard

**CIN, COURSE TITLE:** C-102-9728, AMCM Electronics/Electrical Systems Organizational/Intermediate Maintenance, as part of track D-102-2727

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
<b>TTE</b>					
035	Sonar Towed Body, P/N 610J784	1	Oct 91	GFE	Onboard
036	Control, P/N C-10753	1	Oct 91	GFE	Onboard
037	Digital Data Printer, P/N 1439E36G01	1	Oct 91	GFE	Onboard
038	Drawer Electrical, P/N 1439E37G01	1	Oct 91	GFE	Onboard
039	Control Indicator, P/N 1439E8G01	1	Oct 91	GFE	Onboard
040	Electric Drawer, P/N 1439E39G01	1	Oct 91	GFE	Onboard
041	Tow cable Assembly, P/N 1508E66G01	1	Oct 91	GFE	Onboard
042	Shop Test Tow Cable, P/N 5839C89G01	1	Oct 91	GFE	Onboard
043	Towed Vehicle, P/N 1920E01G01	1	Oct 91	GFE	Onboard

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

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
044	Controller, P/N 74280-3	1	Oct 91	GFE	Onboard
045	Aircraft Control Programmer, P/N 743265-1	1	Oct 91	GFE	Onboard
046	Engine Control Assembly, P/N 305594-6	1	Oct 91	GFE	Onboard
047	Test Set TTU-340E, P/N 80688-2	1	Oct 91	GFE	Onboard
048	Gantry Crane Assembly, P/N 5480C66G01	1	Oct 91	GFE	Onboard
049	Test Cart Assembly, P/N 5840C69G01	1	Oct 91	GFE	Onboard
050	Power Supply, P/N SKE381036	1	Oct 91	GFE	Onboard
051	Digital Air Gauge, P/N DPM100-4-0015	1	Oct 91	GFE	Onboard
052	Controller Test Set, P/N 80670-1	1	Oct 91	GFE	Onboard
053	Generator Test Set, P/N 80672-1	1	Oct 91	GFE	Onboard

**CIN, COURSE TITLE:** C-600-9472, Airborne Mine Countermeasures (AMCM) Sled Captain Training, as part of track D-102-2727

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
ST					
055	Dual Chuck Stem Gage Assembly, P/N M85352/4-1	1	Apr 95	GFE	Onboard

**CIN, COURSE TITLE:** C-102-9445, MH-53E Communication / Navigation and Identification Systems (Initial) Organizational Maintenance, as part of track D-102-2735

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
017	TACAN Test Set, P/N 1000-0000	1	Mar 91	GFE	Onboard
018	Test Set Radio, P/N AN/ARM186	1	Mar 91	GFE	Onboard
023	Watt Meter, P/N 4410-025	1	Mar 91	GFE	Onboard
SPTE					
019	Test Set Transponder, P/N 155600	1	Mar 91	GFE	Onboard
020	Beacon Test Set, P/N ANAMP230B	1	Mar 91	GFE	Onboard
021	Time Domain Reflectometer, P/N 1502COPT03-04	1	Mar 91	GFE	Onboard

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

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
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022	Ramp Test Set, P/N 9000019	1	Mar 91	GFE	Onboard
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024	Soldering Station, P/N 00-S-256	10	Mar 91	GFE	Onboard
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**CIN, COURSE TITLE:** C-102-9729, AN/AQS-14 System (Initial) Organizational Maintenance, as part of track D-102-2736

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
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**TTE**

035	Sonar Towed Body, P/N 610J784	1	Oct 91	GFE	Onboard
036	Control, P/N C-10753	1	Oct 91	GFE	Onboard
037	Digital Data Printer, P/N 1439E36G01	1	Oct 91	GFE	Onboard
038	Drawer Electrical, P/N 1439E37G01	1	Oct 91	GFE	Onboard
039	Control Indicator, P/N 1439E8G01	1	Oct 91	GFE	Onboard
040	Electric Drawer, P/N 1439E39G01	1	Oct 91	GFE	Onboard
041	Tow cable Assembly, P/N 1508E66G01	1	Oct 91	GFE	Onboard
042	Shop Test Tow Cable, P/N 5839C89G01	1	Oct 91	GFE	Onboard
043	Towed Vehicle, P/N 1920E01G01	1	Oct 91	GFE	Onboard
044	Controller, P/N 74280-3	1	Oct 91	GFE	Onboard
045	Aircraft Control Programmer, P/N 743265-1	1	Oct 91	GFE	Onboard
046	Engine Control Assembly, P/N 305594-6	1	Oct 91	GFE	Onboard
047	Test Set TTU-340E, P/N 80688-2	1	Oct 91	GFE	Onboard
048	Gantry Crane Assembly, P/N 5480C66G01	1	Oct 91	GFE	Onboard
049	Test Cart Assembly, P/N 5840C69G01	1	Oct 91	GFE	Onboard
050	Power Supply, P/N SKE381036	1	Oct 91	GFE	Onboard
051	Digital Air Gauge, P/N DPM100-4-0015	1	Oct 91	GFE	Onboard
052	Controller Test Set, P/N 80670-1	1	Oct 91	GFE	Onboard
053	Generator Test Set, P/N 80672-1	1	Oct 91	GFE	Onboard

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

**CIN, COURSE TITLE:** C-600-3443, MH/CH-53E Plane Captain Practical Job Training, as part of track D-600-2700

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
<b>ST</b>					
065	Tire Pressure Gage, P/N 1063	1	Oct 95	GFE	Onboard
066	Hydraulic Servicing Unit, P/N 630AS100-11	1	Oct 95	GFE	Onboard
067	Cranials, P/N MIL-H-81735	8	Oct 95	GFE	Onboard

**CIN, COURSE TITLE:** C-601-9446, MH-53E Power Plants Rotors and Related Systems Integrated Organizational Maintenance,  
as part of track D-601-2715

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
<b>ST</b>					
001	Engine Sling Assembly, P/N 65700-70012-042	1	Feb 87	GFE	Onboard
002	Adapter Assembly, P/N 65700-70025-049	2	Feb 87	GFE	Onboard
003	Engine Adapter Set, P/N 65720-70109-043	3	Feb 87	GFE	Onboard
004	Remover Tool, P/N S6170-35091-4	1	Feb 87	GFE	Onboard
005	Main Rotor Assembly Sling, P/N 65720-70002-041	1	Feb 87	GFE	Onboard
006	Hydraulic Test Stand, P/N 1415S100	1	Feb 87	GFE	Onboard
007	Pin Set Remover, P/N 65720-10014-041	1	Feb 87	GFE	Onboard
008	NFT-2 Tester, P/N 6SE01276-1	1	Feb 87	GFE	Onboard

**CIN, COURSE TITLE:** C-603-9445, AMCM Structures and Hydraulics System Organizational Maintenance, as part of track  
D-601-2721

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
<b>SPTE</b>					
056	Foil Template, P/N 80045-1	1	Oct 91	GFE	Onboard
057	Support Cradle, P/N 80120-3	1	Oct 91	GFE	Onboard
058	Engine Performance Tester, P/N 106273-1	1	Oct 91	GFE	Onboard

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

**CIN, COURSE TITLE:** C-601-9451, MH-53E Power Plants Rotors and Related Systems (Initial) Organizational Maintenance, as part of track D-601-2722

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
<b>ST</b>					
001	Engine Sling Assembly, P/N 65700-70012-042	1	Feb 87	GFE	Onboard
002	Adapter Assembly, P/N 65700-70025-049	2	Feb 87	GFE	Onboard
003	Engine Adapter Set, P/N 65720-70109-043	3	Feb 87	GFE	Onboard
004	Remover Tool, P/N S6170-35091-4	1	Feb 87	GFE	Onboard
005	Main Rotor Assembly Sling, P/N 65720-70002-041	1	Feb 87	GFE	Onboard
006	Hydraulic Test Stand, P/N 1415S100	1	Feb 87	GFE	Onboard
007	Pin Set Remover, P/N 65720-10014-041	1	Feb 87	GFE	Onboard
008	NFT-2 Tester, P/N 6SE01276-1	1	Feb 87	GFE	Onboard

**CIN, COURSE TITLE:** C-602-9443, MH-53E Electrical / Instrument and Digital Automatic Flight Control System (Initial) Organizational Maintenance, as part of track D-602-2753

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
<b>TTE</b>					
025	Exhaust Tester, P/N BH112J30	1	Feb 91	GFE	Onboard
026	Test System, P/N 65700-90140-041	1	Feb 91	GFE	Onboard
027	Phase Generator, P/N 384470	1	Feb 91	GFE	Onboard
028	Engine Adapter Set, P/N 65720-90225-041	1	Feb 91	GFE	Onboard
029	Test Fuel Quantity, P/N 361-053-001	1	Feb 91	GFE	Onboard
030	Pressure Test Set, P/N 7961900	1	Feb 91	GFE	Onboard
031	Pitot System Adapter, P/N ADA53E-612	1	Feb 91	GFE	Onboard
032	Cargo Hook Load, P/N 65720-70150-041	1	Feb 91	GFE	Onboard

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

**CIN, COURSE TITLE:** C-602-9946, AMCM Electrical System (Initial) Organizational Maintenance, as part of track D-602-2754  
**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
<b>ST</b>					
063	Cargo Straps, P/N SP4435-2	10	Oct 95	GFE	Onboard
064	Steering Handle, P/N 80049-1	1	Oct 95	GFE	Onboard

**CIN, COURSE TITLE:** C-602-9442, MH-53E Electrical / Instrument and Digital Automatic Flight Control System Integrated Organizational Maintenance, as part of D-602-2758

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
<b>TTE</b>					
025	Exhaust Tester, P/N BH112J30	1	Feb 91	GFE	Onboard
026	Test System, P/N 65700-90140-041	1	Feb 91	GFE	Onboard
027	Phase Generator, P/N 384470	1	Feb 91	GFE	Onboard
028	Engine Adapter Set, P/N 65720-90225-041	1	Feb 91	GFE	Onboard
029	Test Fuel Quantity, P/N 361-053-001	1	Feb 91	GFE	Onboard
030	Pressure Test Set, P/N 7961900	1	Feb 91	GFE	Onboard
031	Pitot System Adapter, P/N ADA53E-612	1	Feb 91	GFE	Onboard
032	Cargo Hook Load, P/N 65720-70150-041	1	Feb 91	GFE	Onboard
033	Electric Test Set, P/N ANUSM128A	1	Feb 91	GFE	Onboard
<b>ST</b>					
034	Stop Watch, P/N S10	1	Feb 91	GFE	Onboard

**CIN, COURSE TITLE:** C-602-9947, AMCM Electrical System Organizational Maintenance, as part of track D-602-2760

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
<b>TTE</b>					
059	Extended card, P/N 79488-1	1	Oct 91	GFE	Onboard
060	Test Set TTU-340E, P/N 80688-2	1	Oct 91	GFE	Onboard
061	Power Supply 0-30 Amp, P/N JQE55-20M	1	Oct 91	GFE	Onboard
062	Multimeter, P/N 8060A	1	Oct 91	GFE	Onboard

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

**CIN, COURSE TITLE:** C-603-9443, MH-53E Airframe / Hydraulic Systems Organizational Maintenance, as part of track  
D-602-2785

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
<b>TTE</b>					
033	Electric Test Set, P/N ANUSM128A	1	Feb 91	GFE	Onboard
<b>ST</b>					
009	Flight Rigging Set, P/N 65720-40019-041	1	Oct 91	GFE	Onboard
010	Swashplate Block, P/N 65720-10144-041	1	Oct 91	GFE	Onboard
011	Tail Rotor Fixture Assembly, P/N 65720-35015-044	1	Oct 91	GFE	Onboard
012	Pitch Beam Puller, P/N 65720-35625-041	1	Oct 91	GFE	Onboard
013	Restrainer Damper, P/N 65720-10017-043	1	Oct 91	GFE	Onboard
014	Damper Remover, P/N 65720-10066-041	1	Oct 91	GFE	Onboard
015	Set Hydraulic Adapter, P/N 65720-65010-041	1	Oct 91	GFE	Onboard
016	Gage, Tire Pressure P/N 1063	1	Oct 91	GFE	Onboard
034	Stop Watch, P/N S10	1	Feb 91	GFE	Onboard

**CIN, COURSE TITLE:** C-603-9446, AMCM Structures and Hydraulics Systems (Initial) Organizational Maintenance, as part of track D-602-2785

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
<b>ST</b>					
063	Cargo Straps, P/N SP4435-2	10	Oct 95	GFE	Onboard
064	Steering Handle, P/N 80049-1	1	Oct 95	GFE	Onboard

**CIN, COURSE TITLE:** C-603-9447, MH-53E Airframe / Hydraulic Systems (Initial) Organizational Maintenance, as part of track D-602-2789

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
<b>ST</b>					
009	Flight Rigging Set, P/N 65720-40019-041	1	Oct 91	GFE	Onboard
010	Swashplate Block, P/N 65720-10144-041	1	Oct 91	GFE	Onboard
011	Tail Rotor Fixture Assembly, P/N 65720-35015-044	1	Oct 91	GFE	Onboard

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

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
012	Puller Pitch Beam, P/N 65720-35625-041	1	Oct 91	GFE	Onboard
013	Restrainer Damper, P/N 65720-10017-043	1	Oct 91	GFE	Onboard
014	Damper Remover, P/N 65720-10066-041	1	Oct 91	GFE	Onboard
015	Set Hydraulic Adapter, P/N 65720-65010-041	1	Oct 91	GFE	Onboard
016	Gage, Tire Pressure P/N 1063	1	Oct 91	GFE	Onboard

**CIN, COURSE TITLE:** C-600-9472, Airborne Mine Countermeasures (AMCM) Sled Captain Training, as part of track  
D-601-2717

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU  
**LOCATION, UIC:** Norfolk, 66046

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
ST 054	Steering Handle, P/N 80049-1	1	Apr 95	GFE	Onboard

#### IV.A.2. TRAINING DEVICES

**DEVICE:** Operational Flight Trainer (OFT) Device 2F-141  
**DESCRIPTION:** The OFT simulates ground, takeoff, flight operations, and landing characteristics including aircraft performance when AMCM devices are streamed, towed, recovered, and transferred.

**MANUFACTURER:** Honeywell  
**CONTRACT NUMBER:** N61339-87-0029  
**TEE STATUS:** NA

**TRAINING ACTIVITY:** AWSTS, Norfolk  
**LOCATION, UIC:** Norfolk, 69022

QTY	DATE REQD	RFT REQD	DATE	STATUS	COURSES SUPPORTED
1	Oct 87		Oct 87	Onboard	D-2C-2773, as part of track D-2C-2780 D-2C-2761, as part of track D-2C-2781 D-2C-2764, as part of track D-2C-2784 D-2C-2763, as part of track D-2C-2787

**DEVICE:** AMCM Stream and Recovery Module  
**DESCRIPTION:** The AMCM Stream and Recovery Module provides aircrewman an environment to train for deploying and recovering various AMCM towed equipment.

**MANUFACTURER:** General Scientific Corporation  
**CONTRACT NUMBER:** N00024-93-C-6342  
**TEE STATUS:** NA

**TRAINING ACTIVITY:** AWSTS, Norfolk  
**LOCATION, UIC:** Norfolk, 69022

QTY	DATE REQD	RFT REQD	DATE	STATUS	COURSES SUPPORTED
1	Jun 94		Jun 98	Onboard	D-050-2722, as part of track D-050-2791 D-050-2714, as part of track D-050-2792 D-050-2709, as part of track D-050-2793 D-050-2732, as part of track D-050-2796

**DEVICE:** AN/AQS-14 Console Simulator  
**DESCRIPTION:** The AN/AQS-14 Mine Hunting Sonar Console Simulator provides operator and maintenance training on the airborne components of the AN/AQS-14.

**MANUFACTURER:** Westinghouse  
**CONTRACT NUMBER:** N000019-83-C-00060  
**TEE STATUS:** NA

**TRAINING ACTIVITY:** AWSTS, Norfolk  
**LOCATION, UIC:** Norfolk, 69022

QTY	DATE REQD	RFT REQD	DATE	STATUS	COURSES SUPPORTED
1	Oct 87		Oct 87	Onboard	D-050-2722, as part of track D-050-2791 D-050-2714, as part of track D-050-2792 D-050-2709, as part of track D-050-2793 D-050-2732, as part of track D-050-2796 C-102-9728, as part of track D-102-2727 C-102-9729, as part of track D-102-2736

#### IV.A.2. TRAINING DEVICES

**DEVICE:** Mk-105 Training Device 2H107  
**DESCRIPTION:** The Mk-105 Magnetic Mine Hunting Countermeasures Trainer provides aircrewman and maintenance training on the Mk-105 system.

**MANUFACTURER:** EDO  
**CONTRACT NUMBER:** N00019-83-C-0127  
**TEE STATUS:** NA

**TRAINING ACTIVITY:** AWSTS, Norfolk  
**LOCATION, UIC:** Norfolk, 69022

QTY	DATE REQD	RFT REQD	DATE	STATUS	COURSES SUPPORTED
1	Oct 87		Oct 87	Onboard	D-050-2722, as part of track D-050-2791 D-050-2714, as part of track D-050-2792 D-050-2709, as part of track D-050-2793 D-050-2732, as part of track D-050-2796 C-102-9729, as part of track D-102-2736 C-603-9445, as part of track D-601-2721 C-601-9447, as part of track D-601-2723 C-600-9472, as part of track D-602-2754 C-602-9947, as part of track D-602-2760 C-600-9472, as part of track D-602-2788 C-601-9448, as part of track D-601-2717

**DEVICE:** Auxiliary Power Plant PTMT  
**DESCRIPTION:** The MH-53E Auxiliary Power Plant Part Task Maintenance Trainer provides the equipment necessary for training technicians to maintain the MH-53E auxiliary power plant.

**MANUFACTURER:** Sikorsky Aircraft Corporation  
**CONTRACT NUMBER:** N-00019-68-C-0471  
**TEE STATUS:** NA

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU  
**LOCATION, UIC:** Norfolk, 66046

QTY	DATE REQD	RFT REQD	DATE	STATUS	COURSES SUPPORTED
1	Oct 87		Oct 87	Onboard	C-102-9445, as part of track D-102-2735 C-601-9451, as part of track D-601-2722 C-602-9443, as part of track D-602-2753 C-603-9447, as part of track D-602-2789 C-601-9448, as part of track D-601-2717

**DEVICE:** MH-53 Fuel System Part Task Maintenance Trainer  
**DESCRIPTION:** The MH-53 Fuel System Part Task Maintenance Trainer provides a simulated MH-53E fuel system for maintenance training.

**MANUFACTURER:** Sikorsky Aircraft Corporation  
**CONTRACT NUMBER:** N00019-85-C-0066  
**TEE STATUS:** NA

#### IV.A.2. TRAINING DEVICES

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU  
**LOCATION, UIC:** Norfolk, 66046

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Oct 87	Oct 87	Onboard	C-601-9446, as part of track D-601-2715 C-601-9451, as part of track D-601-2722 C-602-9443, as part of track D-602-2753 C-602-9442, as part of track D-602-2758 C-603-9447, as part of track D-602-2789 C-601-2717, as part of track D-601-2717

**DEVICE:** MH-53E AFCS Maintenance Trainer  
**DESCRIPTION:** The MH-53E AFCS Maintenance Trainer provides practical training concerning the AFCS, Vertical Gyro, and Attitude Heading Reference System using the applicable support equipment.

**MANUFACTURER:** Sikorsky Aircraft Corporation  
**CONTRACT NUMBER:** N0600-91-D-0419  
**TEE STATUS:** NA

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU  
**LOCATION, UIC:** Norfolk, 66046

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Apr 96	Jan 00	Onboard	C-602-9443, as part of track D-602-2753 C-602-9442, as part of track D-602-2758

**DEVICE:** MH-53E Avionics PTMT  
**DESCRIPTION:** The MH-53E Avionics Part Task Maintenance Trainer provides the avionics equipment necessary for training the Aviation Electronics Technician to maintain the MH-53E avionics system.

**MANUFACTURER:** Sikorsky Aircraft Corporation  
**CONTRACT NUMBER:** N0600-91-D-0419  
**TEE STATUS:** NA

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU  
**LOCATION, UIC:** Norfolk, 66046

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Apr 96	Jan 00	Onboard	C-102-9444, as part of track D-102-2725 C-102-9445, as part of track D-102-2735

**DEVICE:** MH-53E Composite Maintenance Trainer  
**DESCRIPTION:** The MH-53E Composite Maintenance Trainer provides practical training concerning the power plant, power train, flight control, hydraulic, and miscellaneous systems.

**MANUFACTURER:** Sikorsky Aircraft Corporation  
**CONTRACT NUMBER:** N00019-83-C-0308  
**TEE STATUS:** NA

#### IV.A.2. TRAINING DEVICES

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU  
**LOCATION, UIC:** Norfolk, 66046

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Oct 87	Oct 87	Onboard	C-601-9446, as part of track D-601-2715 C-601-9451, as part of track D-601-2722 C-602-9443, as part of track D-602-2785 C-603-9447, as part of track D-602-2789 C-601-2717, as part of track D-601-2717

**DEVICE:** MH-53E GE-Ramp Part Task Maintenance Trainer  
**DESCRIPTION:** The MH-53E GE-Ramp Part Task Maintenance Trainer is used for landing gear, wheel brake, tail skid, and cargo ramp and door systems maintenance training.

**MANUFACTURER:** Engineering and Economics Research, Inc.  
**CONTRACT NUMBER:** N000140-88-C-3349  
**TEE STATUS:** NA

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU  
**LOCATION, UIC:** Norfolk, 66046

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Oct 89	Oct 89	Onboard	C-601-9451, as part of track D-601-2722 C-602-9443, as part of track D-602-2753 C-602-9442, as part of track D-602-2758 C-603-9443, as part of track D-602-2785 C-603-9447, as part of track D-602-2789

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

**CIN, COURSE TITLE:** D-2C-2762, MH-53E Pilot AMCM Familiarization and OFT, as part of track D-2C-2780

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** Norfolk, 69022

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY</b>	<b>DATE</b>	<b>REQD</b>	<b>REQD</b>	<b>STATUS</b>
Instructor Guides	3	Aug 94			Onboard
Student Guides	15	Oct 96			Onboard
Student Tests	15	Oct 96			Onboard
Transparencies	10	Oct 96			Onboard
Wall Charts	3	Oct 96			Onboard

**CIN, COURSE TITLE:** D-2C-2773, MH-53E Pilot Category I Flight, as part of track D-2C-2780

**TRAINING ACTIVITY:** CRAW/CRAG HMT-302

**LOCATION, UIC:** New River, 8591A

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY</b>	<b>DATE</b>	<b>REQD</b>	<b>REQD</b>	<b>STATUS</b>
Instructor Guides	3	Aug 94			Onboard
Student Guides	15	Oct 96			Onboard
Student Tests	15	Oct 96			Onboard
Transparencies	10	Oct 96			Onboard
Wall Charts	3	Oct 96			Onboard

**CIN, COURSE TITLE:** D-2C-2761, MH-53E Pilot Category II System Familiarization and OFT, as part of track D-2C-2781

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** Norfolk, 69022

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY</b>	<b>DATE</b>	<b>REQD</b>	<b>REQD</b>	<b>STATUS</b>
Instructor Guides	3	Aug 94			Onboard
Student Guides	15	Oct 96			Onboard
Student Tests	15	Oct 96			Onboard
Transparencies	10	Oct 96			Onboard
Wall Charts	3	Oct 96			Onboard

**CIN, COURSE TITLE:** D-2C-2764, MH-53E Pilot Cat III Systems Familiarization and OFT, as part of track D-2C-2782

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** Norfolk, 69022

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY</b>	<b>DATE</b>	<b>REQD</b>	<b>REQD</b>	<b>STATUS</b>
Instructor Guides	3	Aug 94			Onboard
Student Guides	15	Oct 96			Onboard
Student Tests	15	Oct 96			Onboard
Transparencies	10	Oct 96			Onboard
Wall Charts	3	Oct 96			Onboard

**CIN, COURSE TITLE:** D-2C-2760, MH-53E Pilot Category 1 Systems Familiarization and OFT Flight, as part of track

D-2C-2783

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** Norfolk, 69022

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY</b>	<b>DATE</b>	<b>REQD</b>	<b>REQD</b>	<b>STATUS</b>
Instructor Guides	3	Aug 94			Onboard
Student Guides	15	Oct 96			Onboard
Student Tests	15	Oct 96			Onboard
Transparencies	10	Oct 96			Onboard
Wall Charts	3	Oct 96			Onboard

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

**CIN, COURSE TITLE:** D-2C-2764, MH-53E Pilot Cat III Systems Familiarization and OFT, as part of track D-2C-2784

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** Norfolk, 69022

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
Instructor Guides	3	Aug 94	Onboard
Student Guides	15	Oct 96	Onboard
Student Tests	15	Oct 96	Onboard
Transparencies	10	Oct 96	Onboard
Wall Charts	3	Oct 96	Onboard

**CIN, COURSE TITLE:** D-2C-2774, MH-53E Pilot Category II Flight, as part of track D-2C-2785

**TRAINING ACTIVITY:** CRAW/CRAG HMT-302

**LOCATION, UIC:** New River, 8591A

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
Instructor Guides	3	Aug 94	Onboard
Student Guides	15	Oct 96	Onboard
Student Tests	15	Oct 96	Onboard
Transparencies	10	Oct 96	Onboard
Wall Charts	3	Oct 96	Onboard

**CIN, COURSE TITLE:** D-2C-2765, MH-53E Pilot Category IV Systems Familiarization and OFT, as part of track D-2C-2786

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** Norfolk, 69022

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
Instructor Guides	3	Aug 94	Onboard
Student Guides	15	Oct 96	Onboard
Student Tests	15	Oct 96	Onboard
Transparencies	10	Oct 96	Onboard
Wall Charts	3	Oct 96	Onboard

**CIN, COURSE TITLE:** D-2C-2776, MH-53E Fleet Replacement Pilot Instructor Under Training, as part of track D-2C-2786

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** Norfolk, 69022

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
Instructor Guides	3	Aug 94	Onboard
Student Guides	15	Oct 96	Onboard
Student Tests	15	Oct 96	Onboard
Transparencies	10	Oct 96	Onboard
Wall Charts	3	Oct 96	Onboard

**CIN, COURSE TITLE:** D-2C-2763, MH-53E AMCM Pilot Category IV Pipeline, as part of track D-2C-2787

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** Norfolk, 69022

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
Instructor Guides	3	Aug 94	Onboard
Student Guides	15	Oct 96	Onboard
Student Tests	15	Oct 96	Onboard
Transparencies	10	Oct 96	Onboard
Wall Charts	3	Oct 96	Onboard

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

**CIN, COURSE TITLE:** D-050-2722, MH-53 Utility Fleet Replacement Aircrewman Category 1, as part of track D-050-2791

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY</b>	<b>DATE</b>	<b>REQD</b>	<b>REQD</b>	<b>STATUS</b>
Instructor Guides	3	Oct 96			Onboard
Student Guides	15	Oct 96			Onboard
Student Tests	15	Oct 96			Onboard

**CIN, COURSE TITLE:** D-050-2714, MH-53E Replacement Aircrewman (Utility) Category 2 Syllabus, as part of track

D-050-2792

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY</b>	<b>DATE</b>	<b>REQD</b>	<b>REQD</b>	<b>STATUS</b>
Instructor Guides	3	Nov 96			Onboard
Student Guides	15	Nov 94			Onboard
Student Tests	15	Nov 94			Onboard

**CIN, COURSE TITLE:** D-050-2709, MH-53E Fleet Replacement Aircrewman (AMCM) Category 1 Syllabus, as part of track  
D-050-2793

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY</b>	<b>DATE</b>	<b>REQD</b>	<b>REQD</b>	<b>STATUS</b>
Instructor Guides	3	Oct 91			Onboard
Student Guides	15	Oct 91			Onboard
Student Tests	15	Oct 91			Onboard

**CIN, COURSE TITLE:** D-050-2732, MH-53E Fleet Replacement Aircrewman (AMCM) Category 2 Syllabus, as part of track  
D-050-2796

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY</b>	<b>DATE</b>	<b>REQD</b>	<b>REQD</b>	<b>STATUS</b>
Instructor Guides	3	Nov 94			Onboard
Student Guides	15	Nov 94			Onboard
Student Tests	15	Nov 94			Onboard

**CIN, COURSE TITLE:** C-102-9444, MH-53E Communication, Navigation, and Identification Systems Career Organizational Maintenance, as part of track D-102-2725

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY</b>	<b>DATE</b>	<b>REQD</b>	<b>REQD</b>	<b>STATUS</b>
Instructor Guides	3	Mar 91			Onboard
Student Guides	50	Mar 91			Onboard
Student Tests	50	Mar 91			Onboard
Transparencies	78	Mar 91			Onboard
Videotapes	1	Mar 91			Onboard
Wall Charts	7	Mar 91			Onboard

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

**CIN, COURSE TITLE:** C-102-9728, AMCM Electronics / Electrical Systems Organizational / Intermediate Maintenance, as part of track D-102-2727

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY</b>	<b>DATE</b>	
	<b>REQD</b>	<b>REQD</b>	<b>STATUS</b>
Instructor Guides	3	Nov 91	Onboard
Student Guides	50	Nov 91	Onboard
Student Tests	50	Nov 94	Onboard

**CIN, COURSE TITLE:** C-600-9472, Airborne Mine Countermeasures (AMCM) Sled Captain Training, as part of track D-102-2727

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY</b>	<b>DATE</b>	
	<b>REQD</b>	<b>REQD</b>	<b>STATUS</b>
Instructor Guides	3	Nov 91	Onboard
Student Guides	50	Nov 91	Onboard
Student Tests	50	Nov 91	Onboard

**CIN, COURSE TITLE:** C-102-9445, MH-53E Communication / Navigation and Identification Systems (Initial) Organizational Maintenance, as part of track D-102-2735

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY</b>	<b>DATE</b>	
	<b>REQD</b>	<b>REQD</b>	<b>STATUS</b>
Instructor Guides	3	Oct 95	Onboard
Student Guides	50	Oct 95	Onboard
Student Tests	50	Oct 95	Onboard
Transparencies	61	Oct 95	Onboard
Wall Charts	1	Oct 95	Onboard

**CIN, COURSE TITLE:** C-102-9729, AN/AQS-14 System (Initial) Organizational Maintenance, as part of track D-102-2736

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY</b>	<b>DATE</b>	
	<b>REQD</b>	<b>REQD</b>	<b>STATUS</b>
Instructor Guides	3	Nov 91	Onboard
Student Guides	50	Nov 91	Onboard
Student Tests	50	Nov 91	Onboard

**CIN, COURSE TITLE:** C-600-3443, MH/CH-53E Plane Captain Practical Job Training, as part of track D-600-2700

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY</b>	<b>DATE</b>	
	<b>REQD</b>	<b>REQD</b>	<b>STATUS</b>
Instructor Guides	3	Oct 95	Onboard
Student Guides	50	Oct 95	Onboard
Student Tests	50	Oct 95	Onboard
Transparencies	132	Oct 95	Onboard
Wall Charts	3	Oct 95	Onboard

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

**CIN, COURSE TITLE:** C-601-9446, MH-53E Power Plants Rotors and Related Systems Integrated Organizational Maintenance, as part of track D-601-2715

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

##### TYPES OF MATERIAL OR AID

	QTY REQD	DATE REQD	STATUS
Instructor Guides	3	Feb 87	Onboard
Student Guides	50	Feb 87	Onboard
Student Tests	50	Feb 87	Onboard
Transparencies	186	Feb 87	Onboard
Wall Charts	8	Feb 87	Onboard

**CIN, COURSE TITLE:** C-603-9445, AMCM Structures and Hydraulics System Organizational Maintenance, as part of track D-601-2721

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

##### TYPES OF MATERIAL OR AID

	QTY REQD	DATE REQD	STATUS
Instructor Guides	3	Oct 91	Onboard
Student Guides	50	Oct 91	Onboard
Student Tests	50	Oct 91	Onboard
Transparencies	39	Oct 91	Onboard

**CIN, COURSE TITLE:** C-601-9451, MH-53E Power Plants Rotors and Related Systems (Initial) Organizational Maintenance, as part of track D-601-2722

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

##### TYPES OF MATERIAL OR AID

	QTY REQD	DATE REQD	STATUS
Instructor Guides	3	Oct 95	Onboard
Student Guides	50	Oct 95	Onboard
Student Tests	50	Oct 95	Onboard
Transparencies	61	Oct 95	Onboard
Wall Charts	1	Oct 95	Onboard

**CIN, COURSE TITLE:** C-600-9472, Airborne Mine Countermeasures (AMCM) Sled Captain Training, as part of track D-601-2723

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

##### TYPES OF MATERIAL OR AID

	QTY REQD	DATE REQD	STATUS
Instructor Guides	3	Nov 91	Onboard
Student Guides	50	Nov 91	Onboard
Student Tests	50	Nov 91	Onboard

**CIN, COURSE TITLE:** C-601-9447, Mk-105 Power Plants and Related Systems, as part of track D-601-2723

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

##### TYPES OF MATERIAL OR AID

	QTY REQD	DATE REQD	STATUS
Instructor Guides	3	Oct 95	Onboard
Student Guides	50	Oct 95	Onboard
Student Tests	50	Oct 95	Onboard

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

**CIN, COURSE TITLE:** C-602-9443, MH-53E Electrical / Instrument and Digital Automatic Flight Control System (Initial) Organizational Maintenance, as part of track D-602-2753

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY</b>	<b>DATE</b>	
	<b>REQD</b>	<b>REQD</b>	<b>STATUS</b>
Instructor Guides	3	Oct 95	Onboard
Student Guides	50	Oct 95	Onboard
Student Tests	50	Oct 95	Onboard
Transparencies	61	Oct 95	Onboard
Wall Charts	1	Oct 95	Onboard

**CIN, COURSE TITLE:** C-600-9472, Airborne Mine Countermeasures (AMCM) Sled Captain Training, as part of track D-602-2754

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY</b>	<b>DATE</b>	
	<b>REQD</b>	<b>REQD</b>	<b>STATUS</b>
Instructor Guides	3	Nov 91	Onboard
Student Guides	50	Nov 91	Onboard
Student Tests	50	Nov 91	Onboard

**CIN, COURSE TITLE:** C-602-9946, AMCM Electrical System (Initial) Organizational Maintenance, as part of track D-602-2754

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY</b>	<b>DATE</b>	
	<b>REQD</b>	<b>REQD</b>	<b>STATUS</b>
Instructor Guides	3	Oct 95	Onboard
Student Guides	50	Oct 95	Onboard
Student Tests	50	Oct 95	Onboard

**CIN, COURSE TITLE:** C-602-9442, MH-53E Electrical / Instrument and Digital Automatic Flight Control System Integrated Organizational Maintenance, as part of track D-602-2758

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY</b>	<b>DATE</b>	
	<b>REQD</b>	<b>REQD</b>	<b>STATUS</b>
Instructor Guides	3	Feb 91	Onboard
Student Guides	50	Feb 91	Onboard
Student Tests	50	Feb 91	Onboard
Transparencies	219	Feb 91	Onboard
Videotapes	1	Feb 91	Onboard
Wall Charts	70	Feb 91	Onboard

**CIN, COURSE TITLE:** C-602-9947, AMCM Electrical System Organizational Maintenance, as part of track D-602-2760

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY</b>	<b>DATE</b>	
	<b>REQD</b>	<b>REQD</b>	<b>STATUS</b>
Instructor Guides	3	Oct 91	Onboard
Student Guides	50	Oct 91	Onboard
Student Tests	50	Oct 91	Onboard
Transparencies	9	Oct 91	Onboard

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

**CIN, COURSE TITLE:** C-603-9443, MH-53E Airframe / Hydraulic Systems Organizational Maintenance, as part of track  
D-602-2785

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

##### TYPES OF MATERIAL OR AID

	QTY	DATE	
	REQD	REQD	STATUS
Instructor Guides	3	Oct 91	Onboard
Student Guides	50	Oct 91	Onboard
Student Tests	50	Oct 91	Onboard
Transparencies	64	Oct 91	Onboard
Wall Charts	8	Oct 91	Onboard

**CIN, COURSE TITLE:** C-600-9472, Airborne Mine Countermeasures (AMCM) Sled Captain Training, as part of track  
D-602-2788

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

##### TYPES OF MATERIAL OR AID

	QTY	DATE	
	REQD	REQD	STATUS
Instructor Guides	3	Nov 91	Onboard
Student Guides	50	Nov 91	Onboard
Student Tests	50	Nov 91	Onboard

**CIN, COURSE TITLE:** C-603-9446, AMCM Structures and Hydraulics Systems (Initial) Organizational Maintenance, as part of track D-602-2788

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

##### TYPES OF MATERIAL OR AID

	QTY	DATE	
	REQD	REQD	STATUS
Instructor Guides	3	Oct 95	Onboard
Student Guides	50	Oct 95	Onboard
Student Tests	50	Oct 95	Onboard

**CIN, COURSE TITLE:** C-603-9447, MH-53E Airframe / Hydraulic Systems (Initial) Organizational Maintenance, as part of track  
D-602-2789

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

##### TYPES OF MATERIAL OR AID

	QTY	DATE	
	REQD	REQD	STATUS
Instructor Guides	3	Mar 95	Onboard
Student Guides	50	Mar 95	Onboard
Student Tests	50	Mar 95	Onboard
Transparencies	61	Mar 95	Onboard
Wall Charts	1	Mar 95	Onboard

**CIN, COURSE TITLE:** C-600-9472, Airborne Mine Countermeasures (AMCM) Sled Captain Training, as part of track  
D-601-2717

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

##### TYPES OF MATERIAL OR AID

	QTY	DATE	
	REQD	REQD	STATUS
Instructor Guides	3	Nov 91	Onboard
Student Guides	50	Nov 91	Onboard
Student Tests	50	Nov 91	Onboard
Videotapes	4	Nov 91	Onboard

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

CIN, COURSE TITLE: C-601-9448, Mk-105 Mechanical Systems Maintenance, as part of track D-601-2717

TRAINING ACTIVITY: MTU 1031 NAMTRAU

LOCATION, UIC: Norfolk, 66046

##### TYPES OF MATERIAL OR AID

Instructor Guides

Student Guides

Student Tests

Transparencies

	QTY REQD	DATE REQD	STATUS
Instructor Guides	3	Oct 91	Onboard
Student Guides	50	Oct 91	Onboard
Student Tests	50	Oct 91	Onboard
Transparencies	39	Oct 91	Onboard

#### IV.B.3. TECHNICAL MANUALS

**CIN, COURSE TITLE:** D-2C-2762, MH-53E Pilot AMCM Familiarization and OFT, as part of track D-2C-2780

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53ME-NFM-000 NATOPS Flight Manual, MH-53E Helicopters	Hard copy	12	Jun 99	Onboard
A1-H53ME-NFM-500 NATOPS Pilots Pocket Checklist, MH-53E Helicopters	Hard copy	12	Jun 99	Onboard

**CIN, COURSE TITLE:** D-2C-2761, MH-53E Pilot Category II System Familiarization and OFT, as part of track D-2C-2781

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53ME-NFM-000 NATOPS Flight Manual, MH-53E Helicopters	Hard copy	12	Apr 98	Onboard
A1-H53ME-NFM-500 NATOPS Pilots Pocket Checklist, MH-53E Helicopters	Hard copy	12	Apr 98	Onboard

**CIN, COURSE TITLE:** D-2C-2764, MH-53E Pilot Cat III Systems Familiarization and OFT, as part of track D-2C-2782

**TRAINING ACTIVITY:** HMT-302 FREST

**LOCATION, UIC:** New River, 8591A

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53ME-NFM-000 NATOPS Flight Manual, MH-53E Helicopters	Hard copy	12	Jul 99	Onboard
A1-H53ME-NFM-500 NATOPS Pilots Pocket Checklist, MH-53E Helicopters	Hard copy	12	Jul 99	Onboard

**CIN, COURSE TITLE:** D-2C-2760, MH-53E Pilot Category 1 Systems Familiarization and OFT Flight, as part of track D-2C-2783

**TRAINING ACTIVITY:** HMT-302 FREST

**LOCATION, UIC:** New River, 8591A

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53ME-NFM-000 NATOPS Flight Manual, MH-53E Helicopters	Hard copy	12	Aug 96	Onboard
A1-H53ME-NFM-500 NATOPS Pilots Pocket Checklist, MH-53E Helicopters	Hard copy	12	Aug 96	Onboard

#### IV.B.3. TECHNICAL MANUALS

**CIN, COURSE TITLE:** D-2C-2764, MH-53E Pilot Cat III Systems Familiarization and OFT, as part of track D-2C-2784

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53ME-NFM-000 NATOPS Flight Manual, MH-53E Helicopters	Hard copy	12	Jul 99	Onboard
A1-H53ME-NFM-500 NATOPS Pilots Pocket Checklist, MH-53E Helicopters	Hard copy	12	Jul 99	Onboard

**CIN, COURSE TITLE:** D-2C-2774, MH-53E Pilot Category II Flight, as part of track D-2C-2785

**TRAINING ACTIVITY:** HMT-302 FREST

**LOCATION, UIC:** New River, 8591A

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53ME-NFM-000 NATOPS Flight Manual, MH-53E Helicopters	Hard copy	12	Jul 99	Onboard
A1-H53ME-NFM-500 NATOPS Pilots Pocket Checklist, MH-53E Helicopters	Hard copy	12	Jul 99	Onboard

**CIN, COURSE TITLE:** D-2C-2765, MH-53E Pilot Category IV Systems Familiarization and OFT, as part of track D-2C-2786

**TRAINING ACTIVITY:** HMT-302 FREST

**LOCATION, UIC:** New River, 8591A

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53ME-NFM-000 NATOPS Flight Manual, MH-53E Helicopters	Hard copy	12	Jul 99	Onboard
A1-H53ME-NFM-500 NATOPS Pilots Pocket Checklist, MH-53E Helicopters	Hard copy	12	Jul 99	Onboard

**CIN, COURSE TITLE:** D-2C-2763, MH-53E AMCM Pilot Category IV Pipeline, as part of track D-2C-2787

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53ME-NFM-000 NATOPS Flight Manual, MH-53E Helicopters	Hard copy	12	Jul 99	Onboard
A1-H53ME-NFM-500 NATOPS Pilots Pocket Checklist, MH-53E Helicopters	Hard copy	12	Jul 99	Onboard

#### IV.B.3. TECHNICAL MANUALS

**CIN, COURSE TITLE:** D-050-2722, MH-53 Utility Fleet Replacement Aircrewman Category 1, as part of track D-050-2791

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53BE-MRC-100 CH-53E/MH-53E Turnaround Checklist, Organizational Maintenance Instructions	Hard copy	12	Oct 96	Onboard
A1-H53ME-NFM-000 NATOPS Flight Manual, MH-53E Helicopters	Hard copy	12	Oct 96	Onboard
A1-H53ME-NFM-900 MH-53E NATOPS Aircrew Pocket Checklist,	Hard copy	12	Oct 96	Onboard
NAVAIR 00-08T-113 U.S. Navy Aircraft Handling Signals, Technical Manual	Hard copy	12	Oct 96	Onboard

**CIN, COURSE TITLE:** D-050-2714, MH-53E Replacement Aircrewman (Utility) Category 2 Syllabus, as part of track  
D-050-2792

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53BE-MRC-100 CH-53E/MH-53E Turnaround Checklist, Organizational Maintenance Instructions	Hard copy	12	Nov 94	Onboard
A1-H53ME-NFM-000 NATOPS Flight Manual, MH-53E Helicopters	Hard copy	12	Nov 94	Onboard
A1-H53ME-NFM-900 MH-53E NATOPS Aircrew Pocket Checklist	Hard copy	12	Nov 94	Onboard
NAVAIR 00-08T-113 U.S. Navy Aircraft Handling Signals, Technical Manual	Hard copy	12	Nov 94	Onboard

**CIN, COURSE TITLE:** D-050-2709, MH-53E Fleet Replacement Aircrewman (AMCM) Category 1 Syllabus, as part of track  
D-050-2793

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53BE-MRC-100 CH-53E/MH-53E Turnaround Checklist, Organizational Maintenance Instructions	Hard copy	12	Oct 96	Onboard
A1-H53ME-NFM-000 NATOPS Flight Manual, MH-53E Helicopters	Hard copy	12	Oct 96	Onboard

#### IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53ME-NFM-900 MH-53E NATOPS Aircrew Pocket Checklist	Hard copy	12	Oct 96	Onboard
NAVAIR 00-08T-113 U.S. Navy Aircraft Handling Signals, Technical Manual	Hard copy	12	Oct 96	Onboard

**CIN, COURSE TITLE:** D-050-2732, MH-53E Fleet Replacement Aircrewman (AMCM) Category 2 Syllabus, as part of track D-050-2796

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53BE-MRC-100 CH-53E/MH-53E Turnaround Checklist, Organizational Maintenance Instructions	Hard copy	12	Nov 94	Onboard
A1-H53ME-NFM-000 NATOPS Flight Manual, MH-53E Helicopters	Hard copy	12	Nov 94	Onboard
A1-H53ME-NFM-900 MH-53E NATOPS Aircrew Pocket Checklist	Hard copy	12	Nov 94	Onboard
NAVAIR 00-08T-113 U.S. Navy Aircraft Handling Signals, Technical Manual	Hard copy	12	Nov 94	Onboard

**CIN, COURSE TITLE:** C-102-9444, MH-53E Communication, Navigation and Identification Systems Career Organizational Maintenance, as part of track D-102-2725

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53CE-600-000 CH-53E/MH-53E Communications Systems, Maintenance procedures, Organizational Maintenance	Hard copy	7	Mar 91	Onboard
A1-H53CE-600-100 CH-53E/MH-53E Communications Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Mar 91	Onboard
A1-H53CE-600-200 CH-53E/MH-53E Communications Systems, Testing and Troubleshooting, Organizational Maintenance	Hard copy	7	Mar 91	Onboard
A1-H53CE-700-100 CH-53E/MH-53E Navigation Systems Principles of Operation, Organizational Maintenance	Hard copy	7	Mar 91	Onboard
A1-H53CE-700-200 CH-53E/MH-53E Navigation Systems, Testing and Troubleshooting, Organizational Maintenance	Hard copy	7	Mar 91	Onboard

#### IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53CE-760-100 CH-53E/MH-53E Countermeasures Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Mar 91	Onboard
A1-H53CE-760-200 CH-53E/MH-53E Countermeasures Systems, Testing and Troubleshooting, Organizational Maintenance	Hard copy	7	Mar 91	Onboard
A1-H53CE-GAI-000 General Aircraft Information Manual, Organizational Maintenance	Hard copy	7	Mar 91	Onboard
AW-565MC-MMM-000 Airborne Mine Countermeasures (AMCM) Precise Navigation System Satellite Signal Navigation Set, Organizational Maintenance	Hard copy	7	Mar 91	Onboard

**CIN, COURSE TITLE:** C-600-9472, Airborne Mine Countermeasures (AMCM) Sled Captain Training, as part of track D-102-2727

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU  
**LOCATION, UIC:** Norfolk, 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 11-600-12-6 Magnetic Minesweeping Gear, MK 105, Periodic Maintenance Information Cards	Hard copy	12	Nov 91	Onboard
NAVAIR 19-1-129 Mobile Winch Drum, A/M 42U-1, Maintenance Instructions with IPB	Hard copy	12	Nov 91	Onboard
NAVAIR 19-600-161-6-1 Mobile Winch Drum, AM 42U-1, Preoperational Checklist	Hard copy	12	Nov 91	Onboard
OPNAV INST 4790.2 Series Naval Aviation Maintenance Program	Hard copy	12	Nov 91	Onboard

**CIN, COURSE TITLE:** C-102-9445, MH-53E Communication/Navigation and Identification Systems (Initial) Organizational Maintenance, as part of track D-102-2735

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU  
**LOCATION, UIC:** Norfolk, 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53CE-110-000 CH-53-E/MH-53E Airframe Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-110-100 CH-53E/MH-53E Airframes Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard

#### IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53CE-130-000 CH-53E/MH-53E Landing Gear Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-130-100 CH-53E/MH-53E Landing Gear Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-140-000 CH-53E/MH-53E Flight Control Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-140-100 CH-53E/MH-53E Flight Control Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-150-000 CH-53E/MH-53E Rotor Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-150-100 CH-53E/MH-53E Rotor Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-220-000 CH-53E/MH-53E Propulsion Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-220-100 CH-53E/MH-53E Propulsion Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-260-000 CH-53E/MH-53E Transmission Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-260-100 CH-53E/MH-53E Transmission Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-400-000 CH-53E/MH-53E Utility Systems, Maintenance procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-400-100 CH-53E/MH-53E Utility Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-420-000 CH-53E/MH-53E Electrical Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard

#### IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53CE-420-100 CH-53E/MH-53E Electrical Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-450-000 CH-53E/MH-53E Hydraulic Systems, Maintenance procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-450-100 CH-53E/MH-53E Hydraulic Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-460-000 CH-53E/MH-53E Fuel Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-460-100 CH-53E/MH-53E Fuel Systems, Volume I, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-460-110 CH-53E/MH-53E Fuels Systems, Volume II, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-500-000 CH-53E/MH-53E Instrument Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-500-100 CH-53E/MH-53E Instrument Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-570-000 CH-53E/MH-53E Flight Reference and Automatic Flight Control Systems, Maintenance Procedures	Hard copy	12	Oct 95	Onboard
A1-H53CE-570-100 CH-53E/MH-53E Flight Reference and Automatic Flight Control Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-600-000 CH-53E/MH-53E Communications Systems, Maintenance procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-600-100 CH-53E/MH-53E Communications Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-700-000 CH-53E/MH-53E Navigation Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard

#### IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53CE-700-100 CH-53E/MH-53E Navigation Systems Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-760-000 CH-53E/MH-53E Countermeasures Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-760-100 CH-53E/MH-53E Countermeasures Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-GAI-000 General Aircraft Information Manual, Organizational Maintenance	Hard copy	12	Oct 95	Onboard

**CIN, COURSE TITLE:** C-600-3443, MH/CH-53E Plane Captain Practical Job Training, as part of track D-600-2700

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53BE-MRC-100 CH-53E/MH-53E Turnaround Checklist, Organizational Maintenance Instructions	Hard copy	12	Oct 95	Onboard
A1-H53BE-MRC-200 CH-53E/MH-53E Daily Maintenance Requirements Cards, Organizational Maintenance Instructions	Hard copy	12	Oct 95	Onboard
A1-H53BE-MRC-300 CH-53E/MH-53E Special/Conditional/Preservation/ASPA Maintenance Requirements Cards, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53BE-MRC-400 CH-53E/MH-53E Phase Maintenance Requirements Cards, Organizational Maintenance Instructions	Hard copy	12	Oct 95	Onboard
A1-H53CE-110-000 CH-53-E/MH-53E Airframe Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-140-100 CH-53E/MH-53E Flight Control Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-150-100 CH-53E/MH-53E Rotor Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard

#### IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53CE-220-100 CH-53E/MH-53E Propulsion Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-260-100 CH-53E/MH-53E Transmission Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-400-000 CH-53E/MH-53E Utility Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-400-100 CH-53E/MH-53E Utility Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-420-100 CH-53E/MH-53E Electrical Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-450-000 CH-53E/MH-53E Hydraulic Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-450-100 CH-53E/MH-53E Hydraulic Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-460-100 CH-53E/MH-53E Fuel Systems, Volume I, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-460-110 CH-53E/MH-53E Fuels Systems, Volume II, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-500-100 CH-53E/MH-53E Instrument Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-GAI-000 General Aircraft Information Manual, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53ME-NFM-900 MH-53E NATOPS Aircrew Pocket Checklist	Hard copy	12	Oct 95	Onboard
NAVAIR 00-08T-113 U.S. Navy Aircraft Handling Signals, Technical Manual	Hard copy	12	Oct 95	Onboard
NAVAIR 01-230HM-8 H-53 Work Unit Code Manual	Hard copy	12	Oct 95	Onboard

#### IV.B.3. TECHNICAL MANUALS

**CIN, COURSE TITLE:** C-601-9446, MH-53E Power Plants Rotors and Related Systems Integrated Organizational Maintenance, as part of track D-601-2715

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53CE-140-000 CH-53E/MH-53E Flight Control Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	7	Feb 87	Onboard
A1-H53CE-150-000 CH-53E/MH-53E Rotor Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	7	Feb 87	Onboard
A1-H53CE-150-200 CH-53E/MH-53E Rotor Systems, Testing and Troubleshooting, Organizational Maintenance	Hard copy	7	Feb 87	Onboard
A1-H53CE-220-000 CH-53E/MH-53E Propulsion Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Feb 87	Onboard
A1-H53CE-220-100 CH-53E/MH-53E Propulsion Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Feb 87	Onboard
A1-H53CE-220-200 CH-53E/MH-53E Propulsion Systems, Testing and Troubleshooting, Organizational Maintenance	Hard copy	7	Feb 87	Onboard
A1-H53CE-260-000 CH-53E/MH-53E Transmission Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	7	Feb 87	Onboard
A1-H53CE-260-100 CH-53E/MH-53E Transmission Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Feb 87	Onboard
A1-H53CE-260-200 CH-53E/MH-53E Transmission Systems, Testing and Troubleshooting Procedures, Organizational Maintenance	Hard copy	7	Feb 87	Onboard
A1-H53CE-450-000 CH-53E/MH-53E Hydraulic Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	7	Feb 87	Onboard
A1-H53CE-460-000 CH-53E/MH-53E Fuel Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	7	Feb 87	Onboard

#### IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53CE-460-100 CH-53E/MH-53E Fuel Systems, Volume I, Principles of Operation, Organizational Maintenance	Hard copy	7	Feb 87	Onboard
A1-H53CE-460-110 CH-53E/MH-53E Fuels Systems, Volume II, Principles of Operation, Organizational Maintenance	Hard copy	7	Feb 87	Onboard
A1-H53CE-460-200 CH-53E/MH-53E Fuel Systems, Testing and Troubleshooting procedures, Organizational Maintenance	Hard copy	7	Feb 87	Onboard
A1-H53CE-460-210 CH-53E/MH-53E Fuel Systems, Volume II, Testing and Troubleshooting, Organizational Maintenance	Hard copy	7	Feb 87	Onboard
A1-H53CE-GAI-000 General Aircraft Information Manual, Organizational Maintenance	Hard copy	7	Feb 87	Onboard
NA-02B-105AJB-6-1 Turboshaft Engine Models T64-GE-413/415/416//416A Intermediate Maintenance	Hard copy	7	Feb 87	Onboard
NA-19-105B-42 GAS Turbine Auxiliary Power Plants, Handbook of Operation and Maintenance Instruction, Model T-62 (P-7-2)	Hard copy	7	Feb 87	Onboard

**CIN, COURSE TITLE:** C-603-9445, AMCM Structures and Hydraulics System Organizational Maintenance, as part of track  
D-601-2721

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 11-80MSA-2-1 General Information MK-105 Mod 2, P/N 53830-2 Organizational Maintenance Manual	Hard copy	7	Oct 91	Onboard
NAVAIR 11-80MSA-2-2 Airframes Systems MK-105 Mod 2, P/N 53830-2 Organizational and Intermediate Maintenance Manual	Hard copy	7	Oct 91	Onboard
NAVAIR 11-80MSA-2-2.1 Hydraulic Systems MK 105 MOD 2, P/N 53830-2	Hard copy	7	Oct 91	Onboard
NAVAIR 11-80MSA-2-3 Power Plants and Related Systems MK-105 MOD 2, P/N 53830-2 Organizational Maintenance Instruction	Hard copy	7	Oct 91	Onboard

#### IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 11-80MSA-2-4 Electrical/Instrument Systems MK 105 MOD 2, P/N 53830-2, Organizational and Intermediate Maintenance Instruction	Hard copy	7	Oct 91	Onboard
NAVAIR 17-15-2 Engine Performance Tester, P/N 106273-1, Operating Instructions and Organizational and Intermediate Maintenance with IPB	Hard copy	7	Oct 91	Onboard
<b>CIN, COURSE TITLE:</b> C-601-9451, MH-53E Power Plants Rotors and Related Systems (Initial) Organizational Maintenance, as part of track D-601-2722				
<b>TRAINING ACTIVITY:</b> MTU 1031 NAMTRAU <b>LOCATION, UIC:</b> Norfolk, 66046				
TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53CE-110-000 CH-53E/MH-53E Airframe Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-110-100 CH-53E/MH-53E Airframes Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-130-000 CH-53E/MH-53E Landing Gear Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-130-100 CH-53E/MH-53E Landing Gear Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-140-000 CH-53E/MH-53E Flight Control Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-140-100 CH-53E/MH-53E Flight Control Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-150-000 CH-53E/MH-53E Rotor Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-150-100 CH-53E/MH-53E Rotor Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard

#### IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53CE-150-200 CH-53E/MH-53E Rotor Systems, Testing and Troubleshooting, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-220-000 CH-53E/MH-53E Propulsion Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-220-100 CH-53E/MH-53E Propulsion Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-260-000 CH-53E/MH-53E Transmission Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-260-100 CH-53E/MH-53E Transmission Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-400-000 CH-53E/MH-53E Utility Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-400-100 CH-53E/MH-53E Utility Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-420-000 CH-53E/MH-53E Electrical Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-420-100 CH-53E/MH-53E Electrical Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-450-000 CH-53E/MH-53E Hydraulic Systems, Maintenance procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-450-100 CH-53E/MH-53E Hydraulic Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-460-000 CH-53E/MH-53E Fuel Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-460-100 CH-53E/MH-53E Fuel Systems, Volume I, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard

#### IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53CE-460-110 CH-53E/MH-53E Fuels Systems, Volume II, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-500-000 CH-53E/MH-53E Instrument Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-500-100 CH-53E/MH-53E Instrument Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-570-000 CH-53E/MH-53E Flight Reference and Automatic Flight Control Systems, Maintenance Procedures	Hard copy	12	Oct 95	Onboard
A1-H53CE-570-100 CH-53E/MH-53E Flight Reference and Automatic Flight Control Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-600-000 CH-53E/MH-53E Communications Systems, Maintenance procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-600-100 CH-53E/MH-53E Communications Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-700-000 CH-53E/MH-53E Navigation Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-700-100 CH-53E/MH-53E Navigation Systems Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-760-000 CH-53E/MH-53E Countermeasures Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-760-100 CH-53E/MH-53E Countermeasures Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-GAI-000 General Aircraft Information Manual, Organizational Maintenance	Hard copy	12	Oct 95	Onboard

#### IV.B.3. TECHNICAL MANUALS

**CIN, COURSE TITLE:** C-601-9447, Mk-105 Power Plants and Related Systems, as part of track D-601-2723  
**TRAINING ACTIVITY:** MTU 1031 NAMTRAU  
**LOCATION, UIC:** Norfolk, 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-MCMAA-WUC-800 Airborne Mine Countermeasures Equipment, Work Unit Code Manual	Hard copy	12	Oct 95	Onboard
NAVAIR 11-600-12-6 Magnetic Minesweeping Gear, MK 105, Periodic Maintenance Information Cards	Hard copy	12	Oct 95	Onboard
NAVAIR 11-600-12-6-1 Magnetic Minesweeping Gear, MK 105, Turnaround Checklist	Hard copy	12	Oct 95	Onboard
NAVAIR 11-600-12-6-2 Magnetic Minesweeping Gear, MK 105, Daily Manual	Hard copy	12	Oct 95	Onboard
NAVAIR 11-600-12-6-3 Magnetic Minesweeping Gear, MK 105, Calendar/Special/Preservation/Conditional Inspection Manual	Hard copy	12	Oct 95	Onboard
NAVAIR 11-80MSA-2-1 General Information MK-105 Mod 2, P/N 53830-2 Organizational Maintenance Manual	Hard copy	12	Oct 95	Onboard
NAVAIR 11-80MSA-2-2 Airframes Systems MK-105 Mod 2, P/N 53830-2 Organizational and Intermediate Maintenance Manual	Hard copy	12	Oct 95	Onboard
NAVAIR 11-80MSA-2-2.1 Hydraulic Systems MK 105 MOD 2, P/N 53830-2	Hard copy	12	Oct 95	Onboard
NAVAIR 11-80MSA-2-3 Power Plants and Related Systems MK-105 MOD 2, P/N 53830-2 Organizational Maintenance Instruction	Hard copy	12	Oct 95	Onboard
NAVAIR 11-80MSA-2-4 Electrical/Instrument Systems MK 105 MOD 2, P/N 53830-2, Organizational and Intermediate Maintenance Instruction	Hard copy	12	Oct 95	Onboard

#### IV.B.3. TECHNICAL MANUALS

**CIN, COURSE TITLE:** C-602-9443, MH-53E Electrical / Instrument and Digital Automatic Flight Control System (Initial)  
Organizational Maintenance, as part of track D-602-2753

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU  
**LOCATION, UIC:** Norfolk, 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53CE-110-000 CH-53-E/MH-53E Airframe Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-110-100 CH-53E/MH-53E Airframes Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-110-200 CH-53E/MH-53E Airframes Systems, Testing and Troubleshooting, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-110-400 CH-53E/MH-53E Airframes Systems, Illustrated Parts Breakdown	Hard copy	12	Oct 95	Onboard
A1-H53CE-130-000 CH-53E/MH-53E Landing Gear Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-130-100 CH-53E/MH-53E Landing Gear Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-140-000 CH-53E/MH-53E Flight Control Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-140-100 CH-53E/MH-53E Flight Control Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-150-000 CH-53E/MH-53E Rotor Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-150-100 CH-53E/MH-53E Rotor Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-220-000 CH-53E/MH-53E Propulsion Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-220-100 CH-53E/MH-53E Propulsion Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard

#### IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53CE-220-200 CH-53E/MH-53E Propulsion Systems, Testing and Troubleshooting, Organizational Maintenance	Hard copy	12	Oct 91	Onboard
A1-H53CE-260-000 CH-53E/MH-53E Transmission Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-260-100 CH-53E/MH-53E Transmission Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-400-000 CH-53E/MH-53E Utility Systems, Maintenance procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-400-100 CH-53E/MH-53E Utility Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-420-000 CH-53E/MH-53E Electrical Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-420-100 CH-53E/MH-53E Electrical Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-450-000 CH-53E/MH-53E Hydraulic Systems, Maintenance procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-450-100 CH-53E/MH-53E Hydraulic Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-460-000 CH-53E/MH-53E Fuel Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-460-100 CH-53E/MH-53E Fuel Systems, Volume I, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-460-110 CH-53E/MH-53E Fuels Systems, Volume II, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-500-000 CH-53E/MH-53E Instrument Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard

#### IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53CE-500-100 CH-53E/MH-53E Instrument Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-570-000 CH-53E/MH-53E Flight Reference and Automatic Flight Control Systems, Maintenance Procedures	Hard copy	12	Oct 95	Onboard
A1-H53CE-570-100 CH-53E/MH-53E Flight Reference and Automatic Flight Control Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-600-000 CH-53E/MH-53E Communications Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-600-100 CH-53E/MH-53E Communications Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-700-000 CH-53E/MH-53E Navigation Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-700-100 CH-53E/MH-53E Navigation Systems Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-760-000 CH-53E/MH-53E Countermeasures Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-760-100 CH-53E/MH-53E Countermeasures Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Oct 95	Onboard
A1-H53CE-GAI-000 General Aircraft Information Manual, Organizational Maintenance	Hard copy	12	Oct 95	Onboard

**CIN, COURSE TITLE:** C-600-9472, Airborne Mine Countermeasures (AMCM) Sled Captain Training, as part of track  
D-602-2754

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU  
**LOCATION, UIC:** Norfolk, 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 11-600-12-6-1 Magnetic Minesweeping Gear, MK 105, Turnaround Checklist	Hard copy	12	Nov 91	Onboard

#### IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 11-600-12-6-2 Magnetic Minesweeping Gear, MK 105, Daily Manual	Hard copy	12	Nov 91	Onboard
NAVAIR 11-80MSA-2-4 Electrical/Instrument Systems MK 105 MOD 2, P/N 53830-2, Organizational and Intermediate Maintenance Instruction	Hard copy	12	Nov 91	Onboard
<b>CIN, COURSE TITLE:</b> C-602-9946, AMCM Electrical System (Initial) Organizational Maintenance, as part of track D-602-2754				
<b>TRAINING ACTIVITY:</b> MTU 1031 NAMTRAU				
<b>LOCATION, UIC:</b> Norfolk, 66046				
TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-MCMAA-WUC-800 Airborne Mine Countermeasures Equipment, Work Unit Code Manual	Hard copy	12	Oct 96	Onboard
NAVAIR 11-600-12-6 Magnetic Minesweeping Gear, MK 105, Periodic Maintenance Information Cards	Hard copy	12	Oct 96	Onboard
NAVAIR 11-600-12-6-1 Magnetic Minesweeping Gear, MK 105, Turnaround Checklist	Hard copy	12	Oct 96	Onboard
NAVAIR 11-600-12-6-2 Magnetic Minesweeping Gear, MK 105, Daily Manual	Hard copy	12	Oct 96	Onboard
NAVAIR 11-600-12-6-3 Magnetic Minesweeping Gear, MK 105, Calendar/Special/Preservation/Conditional Inspection Manual	Hard copy	12	Oct 96	Onboard
NAVAIR 11-80MSA-2-1 General Information MK-105 Mod 2, P/N 53830-2 Organizational Maintenance Manual	Hard copy	12	Oct 95	Onboard
NAVAIR 11-80MSA-2-2 Airframes Systems MK-105 Mod 2, P/N 53830-2 Organizational and Intermediate Maintenance Manual	Hard copy	12	Oct 96	Onboard
NAVAIR 11-80MSA-2-2.1 Hydraulic Systems MK 105 MOD 2, P/N 53830-2	Hard copy	12	Oct 96	Onboard
NAVAIR 11-80MSA-2-3 Power Plants and Related Systems MK-105 MOD 2, P/N 53830-2 Organizational Maintenance Instruction	Hard copy	12	Oct 96	Onboard
NAVAIR 11-80MSA-2-4 Electrical/Instrument Systems MK 105 MOD 2, P/N 53830-2, Organizational and Intermediate Maintenance Instruction	Hard copy	12	Oct 96	Onboard

#### IV.B.3. TECHNICAL MANUALS

**CIN, COURSE TITLE:** C-602-9442, MH-53E Electrical / Instrument and Digital Automatic Flight Control System Integrated Organizational Maintenance, as part of track D-602-2758

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU  
**LOCATION, UIC:** Norfolk, 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53CE-110-000 CH-53-E/MH-53E Airframe Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-110-100 CH-53E/MH-53E Airframes Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-110-200 CH-53E/MH-53E Airframes Systems, Testing and Troubleshooting, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-130-000 CH-53E/MH-53E Landing Gear Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-130-100 CH-53E/MH-53E Landing Gear Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-130-200 CH-53E/MH-53E Landing Gear Systems, Testing and Troubleshooting, Organizational Manual	Hard copy	7	Feb 91	Onboard
A1-H53CE-140-000 CH-53E/MH-53E Flight Control Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-140-100 CH-53E/MH-53E Flight Control Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-140-200 CH-53E/MH-53E Flight Control Systems, Testing and Troubleshooting Procedures, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-150-000 CH-53E/MH-53E Rotor Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-150-100 CH-53E/MH-53E Rotor Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Feb 91	Onboard

#### IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53CE-150-200 CH-53E/MH-53E Rotor Systems, Testing and Troubleshooting, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-220-000 CH-53E/MH-53E Propulsion Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-220-100 CH-53E/MH-53E Propulsion Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-220-200 CH-53E/MH-53E Propulsion Systems, Testing and Troubleshooting, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-260-000 CH-53E/MH-53E Transmission Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-260-100 CH-53E/MH-53E Transmission Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-260-200 CH-53E/MH-53E Transmission Systems, Testing and Troubleshooting Procedures, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-400-000 CH-53E/MH-53E Utility Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-400-100 CH-53E/MH-53E Utility Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-400-200 CH-53E/MH-53E Utility Systems, Testing and Troubleshooting, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-420-000 CH-53E/MH-53E Electrical Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-420-100 CH-53E/MH-53E Electrical Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Oct 91	Onboard
A1-H53CE-420-200 CH-53E/MH-53E Electrical Systems, Testing and Troubleshooting Procedures, Organizational maintenance	Hard copy	7	Feb 91	Onboard

#### IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53CE-450-000 CH-53E/MH-53E Hydraulic Systems, Maintenance procedures, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-450-100 CH-53E/MH-53E Hydraulic Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-450-200 CH-53E/MH-53E Hydraulic Systems, Testing and Troubleshooting Procedures, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-460-000 CH-53E/MH-53E Fuel Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-460-100 CH-53E/MH-53E Fuel Systems, Volume I, Principles of Operation, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-460-110 CH-53E/MH-53E Fuels Systems, Volume II, Principles of Operation, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-460-200 CH-53E/MH-53E Fuel Systems, Testing and Troubleshooting procedures, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-460-210 CH-53E/MH-53E Fuel Systems, Volume II, Testing and Troubleshooting, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-500-000 CH-53E/MH-53E Instrument Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-500-100 CH-53E/MH-53E Instrument Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-500-200 CH-53E/MH-53E Instrument Systems, Testing and Troubleshooting Procedures, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-570-000 CH-53E/MH-53E Flight Reference and Automatic Flight Control Systems, Maintenance Procedures	Hard copy	7	Feb 91	Onboard
A1-H53CE-570-100 CH-53E/MH-53E Flight Reference and Automatic Flight Control Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Feb 91	Onboard

#### IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53CE-570-200 CH-53E/MH-53E Flight Reference and Automatic Flight Controls Systems, Testing and Troubleshooting Procedures,	Hard copy	7	Feb 91	Onboard
A1-H53CE-600-000 CH-53E/MH-53E Communications Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-600-100 CH-53E/MH-53E Communications Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-600-200 CH-53E/MH-53E Communications Systems, Testing and Troubleshooting, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-700-000 CH-53E/MH-53E Navigation Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-700-100 CH-53E/MH-53E Navigation Systems Principles of Operation, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-700-200 CH-53E/MH-53E Navigation Systems, Testing and Troubleshooting, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-760-000 CH-53E/MH-53E Countermeasures Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-760-100 CH-53E/MH-53E Countermeasures Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-760-200 CH-53E/MH-53E Countermeasures Systems, Testing and Troubleshooting, Organizational Maintenance	Hard copy	7	Feb 91	Onboard
A1-H53CE-GAI-000 General Aircraft Information Manual, Organizational Maintenance	Hard copy	7	Feb 91	Onboard

#### IV.B.3. TECHNICAL MANUALS

**CIN, COURSE TITLE:** C-602-9947, AMCM Electrical System Organizational Maintenance, as part of track D-602-2760  
**TRAINING ACTIVITY:** MTU 1031 NAMTRAU  
**LOCATION, UIC:** Norfolk, 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 11-80MSA-2-1 General Information MK-105 Mod 2, P/N 53830-2 Organizational Maintenance Manual	Hard copy	7	Oct 91	Onboard
NAVAIR 11-80MSA-2-2 Airframes Systems MK-105 Mod 2, P/N 53830-2 Organizational and Intermediate Maintenance Manual	Hard copy	7	Oct 91	Onboard
NAVAIR 11-80MSA-2-2.1 Hydraulic Systems MK 105 MOD 2, P/N 53830-2	Hard copy	7	Oct 91	Onboard
NAVAIR 11-80MSA-2-3 Power Plants and Related Systems MK-105 MOD 2, P/N 53830-2 Organizational Maintenance Instruction	Hard copy	7	Oct 91	Onboard
NAVAIR 11-80MSA-2-4 Electrical/Instrument Systems MK 105 MOD 2, P/N 53830-2, Organizational and Intermediate Maintenance Instruction	Hard copy	7	Oct 91	Onboard
NAVAIR 11-80MSA-2-4.1 Electrical System Troubleshooting, MK 102 MOD 2, P/N 53830-2 Organizational and Intermediate Maintenance Instructions	Hard copy	7	Oct 91	Onboard
NAVAIR 11-80MSA-2-5 Wiring Data, MK 105 MOD 2, P/N 53830-2, Organizational Maintenance Instructions	Hard copy	7	Oct 91	Onboard

**CIN, COURSE TITLE:** C-603-9443, MH-53E Airframe / Hydraulic Systems Organizational Maintenance, as part of track  
D-602-2785  
**TRAINING ACTIVITY:** MTU 1031 NAMTRAU  
**LOCATION, UIC:** Norfolk, 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53CE-110-100 CH-53E/MH-53E Airframes Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Oct 91	Onboard
A1-H53CE-110-200 CH-53E/MH-53E Airframes Systems, Testing and Troubleshooting, Organizational Maintenance	Hard copy	7	Oct 91	Onboard
A1-H53CE-130-000 CH-53E/MH-53E Landing Gear Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	7	Oct 91	Onboard

#### IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53CE-130-100 CH-53E/MH-53E Landing Gear Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Oct 91	Onboard
A1-H53CE-130-200 CH-53E/MH-53E Landing Gear Systems, Testing and Troubleshooting, Organizational Manual	Hard copy	7	Oct 91	Onboard
A1-H53CE-140-000 CH-53E/MH-53E Flight Control Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	7	Oct 91	Onboard
A1-H53CE-140-100 CH-53E/MH-53E Flight Control Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Oct 91	Onboard
A1-H53CE-140-200 CH-53E/MH-53E Flight Control Systems, Testing and Troubleshooting Procedures, Organizational Maintenance	Hard copy	7	Oct 91	Onboard
A1-H53CE-150-000 CH-53E/MH-53E Rotor Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	7	Oct 91	Onboard
A1-H53CE-150-100 CH-53E/MH-53E Rotor Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Oct 91	Onboard
A1-H53CE-150-200 CH-53E/MH-53E Rotor Systems, Testing and Troubleshooting, Organizational Maintenance	Hard copy	7	Oct 91	Onboard
A1-H53CE-220-000 CH-53E/MH-53E Propulsion Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Oct 91	Onboard
A1-H53CE-220-100 CH-53E/MH-53E Propulsion Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Oct 91	Onboard
A1-H53CE-220-200 CH-53E/MH-53E Propulsion Systems, Testing and Troubleshooting, Organizational Maintenance	Hard copy	7	Oct 95	Onboard
A1-H53CE-260-100 CH-53E/MH-53E Transmission Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Oct 91	Onboard
A1-H53CE-260-200 CH-53E/MH-53E Transmission Systems, Testing and Troubleshooting Procedures, Organizational Maintenance	Hard copy	7	Oct 91	Onboard

#### IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53CE-400-000 CH-53E/MH-53E Utility Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	7	Oct 91	Onboard
A1-H53CE-400-100 CH-53E/MH-53E Utility Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Oct 91	Onboard
A1-H53CE-400-200 CH-53E/MH-53E Utility Systems, Testing and Troubleshooting, Organizational Maintenance	Hard copy	7	Oct 91	Onboard
A1-H53CE-450-000 CH-53E/MH-53E Hydraulic Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	7	Oct 91	Onboard
A1-H53CE-450-100 CH-53E/MH-53E Hydraulic Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Oct 91	Onboard
A1-H53CE-450-200 CH-53E/MH-53E Hydraulic Systems, Testing and Troubleshooting Procedures, Organizational Maintenance	Hard copy	7	Oct 91	Onboard
A1-H53CE-570-100 CH-53E/MH-53E Flight Reference and Automatic Flight Control Systems, Principles of Operation, Organizational Maintenance	Hard copy	7	Oct 91	Onboard
A1-H53CE-GAI-000 General Aircraft Information Manual, Organizational Maintenance	Hard copy	7	Oct 91	Onboard

**CIN, COURSE TITLE:** C-600-9472, Airborne Mine Countermeasures (AMCM) Sled Captain Training, as part of track D-602-2788

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU  
**LOCATION, UIC:** Norfolk, 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVEDTRA 10348 Series Aviation Electrician's Mate 3 & 2	Hard copy	12	Oct 91	Onboard
NAVAIR 11-600-12-6-3 Magnetic Minesweeping Gear, MK 105, Calendar/Special/Preservation/Conditional Inspection Manual	Hard copy	12	Nov 91	Onboard
NAVAIR 11-80MSA-2-1 General Information MK-105 Mod 2, P/N 53830-2 Organizational Maintenance Manual	Hard copy	12	Nov 91	Onboard

#### IV.B.3. TECHNICAL MANUALS

**CIN, COURSE TITLE:** C-603-9446, AMCM Structures and Hydraulics Systems (Initial) Organizational Maintenance, as part of track D-602-2788

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU  
**LOCATION, UIC:** Norfolk, 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-MCMAA-WUC-800 Airborne Mine Countermeasures Equipment, Work Unit Code Manual	Hard copy	12	Oct 95	Onboard
NAVAIR 11-600-12-6 Magnetic Minesweeping Gear, MK 105, Periodic Maintenance Information Cards	Hard copy	12	Oct 95	Onboard
NAVAIR 11-600-12-6-1 Magnetic Minesweeping Gear, MK 105, Turnaround Checklist	Hard copy	12	Oct 95	Onboard
NAVAIR 11-600-12-6-2 Magnetic Minesweeping Gear, MK 105, Daily Manual	Hard copy	12	Oct 95	Onboard
NAVAIR 11-600-12-6-3 Magnetic Minesweeping Gear, MK 105, Calendar/Special/Preservation/Conditional Inspection Manual	Hard copy	12	Oct 95	Onboard
NAVAIR 11-80MSA-2-1 General Information MK-105 Mod 2, P/N 53830-2 Organizational Maintenance Manual	Hard copy	12	Oct 95	Onboard
NAVAIR 11-80MSA-2-2 Airframes Systems MK-105 Mod 2, P/N 53830-2 Organizational and Intermediate Maintenance Manual	Hard copy	12	Oct 95	Onboard
NAVAIR 11-80MSA-2-2.1 Hydraulic Systems MK 105 MOD 2, P/N 53830-2	Hard copy	12	Oct 95	Onboard
NAVAIR 11-80MSA-2-3 Power Plants and Related Systems MK-105 MOD 2, P/N 53830-2 Organizational Maintenance Instruction	Hard copy	12	Oct 95	Onboard
NAVAIR 11-80MSA-2-4 Electrical/Instrument Systems MK 105 MOD 2, P/N 53830-2, Organizational and Intermediate Maintenance Instruction	Hard copy	12	Oct 95	Onboard

#### IV.B.3. TECHNICAL MANUALS

**CIN, COURSE TITLE:** C-603-9447, MH-53E Airframe/Hydraulic Systems (Initial) Organizational Maintenance, as part of track D-602-2789

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU  
**LOCATION, UIC:** Norfolk, 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53CE-110-000 CH-53-E/MH-53E Airframe Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-110-100 CH-53E/MH-53E Airframes Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-130-000 CH-53E/MH-53E Landing Gear Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-130-100 CH-53E/MH-53E Landing Gear Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-140-000 CH-53E/MH-53E Flight Control Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-140-100 CH-53E/MH-53E Flight Control Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-150-000 CH-53E/MH-53E Rotor Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-150-100 CH-53E/MH-53E Rotor Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-220-000 CH-53E/MH-53E Propulsion Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-220-100 CH-53E/MH-53E Propulsion Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-260-000 CH-53E/MH-53E Transmission Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-260-100 CH-53E/MH-53E Transmission Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Mar 95	Onboard

#### IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53CE-400-000 CH-53E/MH-53E Utility Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-400-100 CH-53E/MH-53E Utility Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-420-000 CH-53E/MH-53E Electrical Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-420-100 CH-53E/MH-53E Electrical Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-450-000 CH-53E/MH-53E Hydraulic Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-450-100 CH-53E/MH-53E Hydraulic Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-460-000 CH-53E/MH-53E Fuel Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-460-100 CH-53E/MH-53E Fuel Systems, Volume I, Principles of Operation, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-460-110 CH-53E/MH-53E Fuels Systems, Volume II, Principles of Operation, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-500-000 CH-53E/MH-53E Instrument Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-500-100 CH-53E/MH-53E Instrument Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-570-000 CH-53E/MH-53E Flight Reference and Automatic Flight Control Systems, Maintenance Procedures	Hard copy	12	Mar 95	Onboard
A1-H53CE-570-100 CH-53E/MH-53E Flight Reference and Automatic Flight Control Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Mar 95	Onboard

#### IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-H53CE-600-000 CH-53E/MH-53E Communications Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-600-100 CH-53E/MH-53E Communications Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-700-000 CH-53E/MH-53E Navigation Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-700-100 CH-53E/MH-53E Navigation Systems Principles of Operation, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-760-000 CH-53E/MH-53E Countermeasures Systems, Maintenance Procedures, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-760-100 CH-53E/MH-53E Countermeasures Systems, Principles of Operation, Organizational Maintenance	Hard copy	12	Mar 95	Onboard
A1-H53CE-GAI-000 General Aircraft Information Manual, Organizational Maintenance	Hard copy	12	Mar 95	Onboard

**CIN, COURSE TITLE:** C-601-9448, Mk-105 Mechanical Systems Maintenance, as part of track D-601-2717

**TRAINING ACTIVITY:** MTU 1031 NAMTRAU

**LOCATION, UIC:** Norfolk, 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 11-80MSA-2-1 General Information MK-105 Mod 2, P/N 53830-2 Organizational Maintenance Manual	Hard copy	7	Oct 91	Onboard
NAVAIR 11-80MSA-2-2 Airframes Systems MK-105 Mod 2, P/N 53830-2 Organizational and Intermediate Maintenance Manual	Hard copy	7	Oct 91	Onboard
NAVAIR 11-80MSA-2-2.1 Hydraulic Systems MK 105 MOD 2, P/N 53830-2	Hard copy	7	Oct 91	Onboard
NAVAIR 11-80MSA-2-3 Power Plants and Related Systems MK-105 MOD 2, P/N 53830-2 Organizational Maintenance Instruction	Hard copy	7	Oct 91	Onboard

#### IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 11-80MSA-2-4 Electrical/Instrument Systems MK 105 MOD 2, P/N 53830-2, Organizational and Intermediate Maintenance Instruction	Hard copy	7	Oct 91	Onboard
NAVAIR 17-15-2 Engine Performance Tester, P/N 106273-1, Operating Instructions and Organizational and Intermediate Maintenance with IPB	Hard copy	7	Oct 91	Onboard

## PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
DA	Conducted analysis of MPT requirements	Feb 83	Completed
DA	Promulgated ILS Master Plan	Feb 84	Completed
DA	Awarded production contract	Sep 84	Completed
OPO	Programmed Manpower and Training resource requirements	Sep 84	Completed
TSA	Awarded factory training contract	Sep 84	Completed
TSA	Awarded curricula material contract	Sep 85	Completed
OPTEVFOR	Began OPEVAL	Jan 86	Completed
OPO	Allocated fleet, instructor, support, and student billets	Sep 86	Completed
TSA	Began initial training	Sep 86	Completed
PDA	Began fleet introduction	Sep 87	Completed
TA	Began follow-on training	Sep 87	Completed
TA	Distributed Draft NTP	Sep 91	Completed
OPO	Submitted Proposed NTP to OPNAV	Jan 92	Completed
OPO	Approved and promulgated NTP	Apr 92	Completed
TA	Established AWSTS and began AMCM Mission training	Aug 94	Completed
TA	Relocated MH-53E pilot and aircrew training to HMT-302	Aug 94	Completed
TA	Disestablished HM-12	Sep 94	Completed.
TA	Distributed Draft NTP	Mar 95	Completed
OPO	Submitted Proposed NTP to OPNAV	Sep 95	Completed
OPO	Approved and promulgated NTP	Dec 95	Completed
TA	Developed Approved NTP	Jun 97	Completed
TSA	Developed Draft NTSP (Update)	Jun 00	Completed
OPO	Submit Proposed NTSP to OPNAV	Oct 00	Completed
DA	Incorporate ECP for main gearbox upgrade	FY01	Pending

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

**DECISION ITEM OR  
ACTION REQUIRED**

**COMMAND ACTION      DUE DATE      STATUS**

None

## PART VII - POINTS OF CONTACT

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