NAVAIR

NAVY TRAINING SYSTEM PLAN

FOR THE

MH-60S MULTI-MISSION HELICOPTER

N88-NTSP-A-50-9902A/P

JUNE 2002

MH-60S MULTI-MISSION HELICOPTER

EXECUTIVE SUMMARY

The MH-60S Multi-Mission Helicopter (formerly called the CH-60S) is a single main rotor helicopter derived from the U.S. Navy's SH-60 Seahawk series and U.S. Army's UH-60 Blackhawk series helicopters. The MH-60S is replacing the H-46D, UH-3H, MH-53E, HH-60H, and HH-1N Helicopters. The primary missions of the MH-60S include Vertical Replenishment, Search and Rescue, Vertical Onboard Delivery, Airhead Operations, MH-60S Armed Helo, and Organic Airborne Mine Countermeasures (OAMCM). Secondary missions include Special Warfare Support (SWS), Medical Evacuation, and Non-combatant Evacuation Operations. Currently, the MH-60S is in the System Development and Demonstration phase of the Defense Acquisition System. Initial Operating Capability for the basic MH-60S will be achieved in September 2002; Initial Operating Capability for the MH-60S OAMCM version is scheduled for Fiscal Year (FY) 05.

Operator and maintainer manpower for the MH-60S will come from existing Helicopter Combat Support (HC), Helicopter Antisubmarine, and Helicopter Combat Support (Special) squadron manpower. Helicopter Mine Countermeasures squadron manpower requirements for the MH-60S have not yet been determined. Three new Navy Enlisted Classifications have been established to support the MH-60S: 8205 for MH-60S Multi-Mission Helicopter Aircrewman (multiple source ratings), and 8808 and 8389 for Aviation Electrician's Mate (AE) and Aviation Electronics Technician (AT) personnel trained as MH-60S Electronics Systems Organizational Maintenance Technicians, Initial and Career, respectively.

The H-60 In-Service Support Team at Naval Aviation Depot Cherry Point, North Carolina, is leading an effort to change the current H-60 maintenance concept. This new concept, called the H-60 Integrated Maintenance Concept, is a Reliability Centered Maintenance-based approach to maintaining aircraft. This initiative will repackage all H-60 maintenance tasks to combine organizational, intermediate, and depot level maintenance efforts to be performed on-site between deployments. Under this plan, Standard Depot Level Maintenance-like tasks will be performed with much more frequency than in the current eight-to-11-year cycle. Organizational level activities will still have at-sea requirements, but the bulk of inspections and preventive maintenance tasks will be performed by integrated maintenance teams while in port between deployments.

Initial MH-60S operator and maintenance training has been provided for test and evaluation personnel and a cadre of pilot, aircrew, and maintenance instructors by contractor personnel. In FY02 through FY05, transition training will be provided by Contractor Engineering and Technical Services in Norfolk, Virginia, and follow-on training provided by HC-3, Maintenance Training Unit (MTU) 1022, and Naval Air Technical Data and Engineering Service Command personnel in North Island, California. Initial training will be complete by FY04 and follow-on training for transitioning and replacement personnel will be provided by HC-3 and MTU 1022 in North Island and an MTU at Norfolk, Virginia. Until the NAMTRAU Norfolk MTU becomes operational in October 2004, continuing H-60 legacy organizational maintenance training in support of the MH-60S will be provided on the East Coast at MTU 1005 NAMTRAU Jacksonville and by MTU 1006 at NS Mayport, Florida.

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LIST OF ACRONYMS

ACDU	Active Duty
AD	Aviation Machinist's Mate
AE	Aviation Electrician's Mate
AF	Aviation Master Chief (Airframes and Power Plants)
AFCS	Automatic Flight Control Systems
AIMD	Aircraft Intermediate Maintenance Department
ALMDS	Airborne Laser Mine Detection System
ALSP	Aviation Logistics Support Plan
AM	Aviation Structural Mechanic
AMD	Activity Manpower Document
AME	Aviation Structural Mechanic (Safety Equipment)
AMNS	Airborne Mine Neutralization System
AMT	Avionics Maintenance Trainer
AMTCS	Aviation Maintenance Training Continuum System
AO	Aviation Ordnanceman
AOB	Average Onboard
APU	Auxiliary Power Unit
ARG	Amphibious Readiness Group
ASW	Antisubmarine Warfare
AT	Aviation Electronics Technician
ATABS	Automatic Track and Balance System
ATIR	Annual Training Input Requirements
AV	Aviation Master Chief (Avionics and Electrical)
AVET	Aircrew Virtual Environment Trainer
BIM	Blade Inspection Method
CAI	Computer-Aided Instruction
CANTRAC	Catalog of Navy Training Courses
CASS	Consolidated Automated Support System
CBT	Computer-Based Training
CC	Common Console
CETS	Contractor Engineering and Technical Services
CFY	Current Fiscal Year
CIN	Course Identification Number
CINCLANTFLT	Commander in Chief, Atlantic Fleet
CINCPACFLT	Commander in Chief, Pacific Fleet
CIV	Civilian
CLF	Combat Logistics Force

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LIST OF ACRONYMS

CMI	Computer Managed Instruction
CMT	Composite Maintenance Trainer
CNET	Commander Naval Education and Training
CNO	Chief of Naval Operations
COMNAVAIRESFOR	Commander, Naval Air Reserve Force
CPT	Cockpit Procedures Trainer
CSE	Common Support Equipment
CSTRS	Carriage, Stream, Tow, and Recovery System
DA	Developing Agency
DoD	Department of Defense
DT	Developmental Testing
ECS	Environmental Control System
EGI	Embedded GPS/INS
ENL	Enlisted
FIT	Fleet Introduction Team
FLIR	Forward Looking Infrared
FMS	Foreign Military Sales
FRS	Fleet Readiness Squadron
FY	Fiscal Year
GPS	Global Positioning System
GRL	Gross Requirements List
HC	Helicopter Combat Support Squadron
HCS	Helicopter Combat Support (Special) Squadron
HIS	Hover Infrared Suppressor
HM	Helicopter Mine Countermeasures Squadron
HS	Helicopter Antisubmarine Squadron
HSI	Human Systems Integration
HSL	Helicopter Antisubmarine Light Squadron
ICW	Interactive Courseware
IETM	Interactive Electronic Technical Manual
IMC	Integrated Maintenance Concept
IMI	Interactive Multimedia Instruction
INS	Inertial Navigation System

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LIST OF ACRONYMS

IPT	Integrated Project Team
ISST	In-Service Support Team
LMSI	Lockheed Martin Systems Integration
LORA	Level of Repair Analysis
MMH	Multi-Mission Helicopter
MSD	Material Support Date
MTU	Maintenance Training Unit
NA	Not Applicable
NAF	Naval Air Facility
NAMP	Naval Aviation Maintenance Program
NAMTRA	Naval Air Maintenance Training
NAMTRAGRU DET	Naval Air Maintenance Training Group Detachment
NAMTRAU	Naval Air Maintenance Training Unit
NAS	Naval Air Station
NATEC	Naval Air Technical Data and Engineering Service Command
NATOPS	Naval Air Training and Operating Procedures Standardization
NAVAIRSYSCOM	Naval Air Systems Command
NAVAVNDEPOT	Naval Aviation Depot
NAVICP	Naval Inventory Control Point
NAVPERSCOM	Navy Personnel Command
NAWCAD	Naval Air Warfare Center Aircraft Division
NEC	Navy Enlisted Classification
NRWATS	Naval Rotary Wing Aircraft Test Squadron
NS	Naval Station
NTMPS	Navy Training Management and Planning System
NTSP	Navy Training System Plan
NVD	Night Vision Device
OAMCM	Organic Airborne Mine Countermeasures Mission
OASIS	Organic Airborne and Surface Influence Sweep
OATMS	OPNAV (Aviation) Training Management System
OBIGGS	On Board Inert Gas Generating System
OEM	Original Equipment Manufacturer
OFF	Officer
OFT	Operational Flight Trainer
OJT	On-the-Job Training

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LIST OF ACRONYMS

OPNAV	Office of the Chief of Naval Operations
OPNAVINST	Office of the Chief of Naval Operations Instruction
OPO	OPNAV Principal Official
OT	Operational Test
PEDD	Portable Electronic Display Device
PFY	Prior Fiscal Year
PMA	Program Manager, Air
PMS	Program Manager, Sea
POE	Projected Operating Environment
PQS	Personnel Qualification Standards
PSE	Peculiar Support Equipment
PSQMD	Preliminary Squadron Manpower Document
RAMICS	Rapid Airborne Mine Clearance System
RAST	Recovery, Assist, Secure, and Traversing
RCM	Reliability Centered Maintenance
RFT	Ready For Training
ROC	Required Operational Capability
SAC	Sikorsky Aircraft Corporation
SAR	Search and Rescue
SDLM	Standard Depot Level Maintenance
SELRES	Selected Reserve
SRA	Shop Replaceable Assembly
SWS	Special Warfare Support
TA	Training Agency
TAR	Training and Administration of Reserves
TBD	To Be Determined
TCDL	Tactical Common Data Link
TD	Training Device
TFFMS	Total Force Manpower Management System
TMTT	Transition Maintenance Training Team
TSA	Training Support Agency
TTE	Technical Training Equipment
TOFT	Tactical/Operational Flight Trainer

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LIST OF ACRONYMS

ULMB	Ultra Low Maintenance Battery
VATS	Vibration Analysis Test Set
VC	Fleet Composite Squadron
VERTREP	Vertical Replenishment
VOD	Vertical Onboard Delivery
VX	Air Test and Evaluation Squadron
WIETM	Web-based Interactive Electronic Technical Manual
WRA	Weapon Replaceable Assembly
WST	Weapon System Trainer
WTT	Weapons Tactics Trainer

MH-60S MULTI-MISSION HELICOPTER

PREFACE

This Proposed MH-60S Multi-Mission Helicopter Navy Training System Plan (NTSP) updates and revises the Draft CH-60S Multi-Mission Helicopter NTSP, N88-NTSP-A-50-9902A/D, dated August 2001. It was prepared as part of the NTSP update process within the guidelines set forth in Navy Training Requirements Documentation Manual, Office of the Chief of Naval Operations (OPNAV) Publication P-751-1-9-97. This NTSP reflects changes that have occurred since the last version, including:

- Changed helicopter nomenclature from CH-60S to MH-60S, with the "M" representing Multi-Mission as approved by Department of Defense (DoD) guidelines.
- Added Organic Airborne Mine Countermeasures (OAMCM) equipment descriptions.
- Added new Navy Enlisted Classifications (NEC) 8808 and 8389 for MH-60S Electronics System Organizational Maintenance Technician (Initial and Career) Aviation Electronics Technician (AT), and Aviation Electrician's Mate (AE) personnel, and 8205 for MH-60S Aircrewman.
- Updated training information, including training dates, transition maintenance training, and proposed training for the newly established NECs.
- Updated MH-60S Helicopter delivery schedule and transition schedule for Helicopter Combat Support (HC) Squadrons.
- In accordance with Chief of Naval Operations (CNO) Message 221 1908Z JUN 00, the Aviation Structural Mechanic, Structures and Aviation Structural Mechanic, Hydraulics ratings merged to form the Aviation Structural Mechanic (AM) rating as of 1 March 2001.
- Updated manpower with data from the Total Force Manpower Management System (TFFMS) dated February 2002.
- Updated NTSP Decision Item or Action Required information.
- Updated Points of Contact.

The main site of MH-60S organizational maintenance training for the East Coast is to be at an MH-60S Maintenance Training Unit (MTU) to be established at Naval Station (NS) Norfolk (see COMNAVAIRLANT Message R 0715005Z MAY 02). Until Naval Air Maintenance Training Unit (NAMTRAU) Norfolk has the required maintenance trainers in place and is ready to begin training (scheduled for October 2004). Training devices may be utilized at MTU 1005 NAMTRAU Jacksonville, Florida, and at MTU 1066 Naval Air Maintenance

Training Group Detachment (NAMTRAGRU DET) NS Mayport, Florida, as required to supplement classroom instruction.

PART I - TECHNICAL PROGRAM DATA

A. NOMENCLATURE-TITLE-PROGRAM

1. Nomenclature-Title-Acronym. MH-60S Multi-Mission Helicopter

2. Program Element. 0604212N

B. SECURITY CLASSIFICATION

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

C. MANPOWER, PERSONNEL, AND TRAINING PRINCIPALS

OPNAV Principal Official (OPO) Program Sponsor ..... CNO (N781)

OPO Resource Sponsor..... CNO (N785)

Developing Agency (DA)..... NAVAIRSYSCOM (PMA299)

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

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

Manpower and Personnel Mission Sponsor..... CNO (N12)
NAVPERSCOM (PERS-4, PERS-404)

Director of Naval Training ..... CNO (N795)

Commander, Reserve Program Manager..... COMNAVAIRESFOR (N78R2)

D. SYSTEM DESCRIPTION

1. Operational Uses. The primary missions of the MH-60S Multi-Mission Helicopter include day and night Vertical Replenishment (VERTREP), day and night Search and Rescue (SAR), primary SAR for Amphibious Readiness Group (ARG), Vertical Onboard Delivery

(VOD), Airhead Operations, MH-60S Armed Helo, and OAMCM. Secondary missions of the MH-60S will include Special Warfare Support (SWS), Medical Evacuation, and Non-combatant Evacuation Operations. Additional missions include recovery of torpedoes, drones, unmanned aerial vehicles, and unmanned undersea vehicles; humanitarian assistance; executive transport; and disaster relief.

The MH-60S will be employed by a variety of Navy and Navy Reserve squadron types including HC, Helicopter Mine Countermeasures (HM), Helicopter Combat Support Special (HCS), and possibly Fleet Composite (VC). In addition, a version of the MH-60S will replace Naval Air Station (NAS) based helicopters worldwide.

The Armed Helo/SWS version of the MH-60S will have mission equipment installed that will provide the Navy with capabilities for Armed Helo and SWS in both the active carrier-based HC squadrons and Reserve HCS squadrons. The OAMCM version of the MH-60S will incorporate the modular (palletized) OAMCM systems and bolt-on components into the helicopter to provide these capabilities for OAMCM capable squadrons.

2. Foreign Military Sales. Interest has been shown for the MH-60S in the Foreign Military Sales (FMS) arena, yet no contracts have been agreed upon to date. For more information contact Program Manager, Air, (PMA) 299.

E. DEVELOPMENTAL TEST AND OPERATIONAL TEST. The MH-60S Integrated Test Team, composed of contractor and U.S. Navy Test and Evaluation personnel, completed a successful Developmental and Operational Assessment (IT-II/OA-IIA) of a prototype CH-60S during first quarter Fiscal Year (FY) 98.

Developmental Testing (DT), DT-IIA, of production representative MH-60S Helicopters was conducted between May 2000 and February 2001 by contractor and U.S. Navy Test and Evaluation personnel at Naval Air Warfare Center Aircraft Division (NAWCAD) Patuxent River, Maryland.

Operational Test (OT), OT-IIB, was conducted from October 2001 through March 2002 by Air Test and Evaluation Squadron One (VX-1) at NAS Patuxent River. Operational Evaluation (OPEVAL) concluded in May 2002 with a recommended list of discrepancies to be fixed prior to MH-60S full rate production. The test stage for OAMCM sensor integration with the MH-60S aircraft will begin in first quarter FY 04. DT-IIIA and OT-IIIB of the Armed Helo/SWS version of the MH-60S is scheduled to begin in fourth quarter FY05.

F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED. The H-46D Helicopter is in the process of being replaced by the MH-60S, which began in August 2001 with the Fleet Readiness Squadron, HC-3, North Island, California. Transition training has been completed. The Navy's Helicopter Master Plan calls for the purchase of up to 237 MH-60S to replace the H-46D. To date, Sikorsky has delivered 19 aircraft with the first aircraft joining the fleet in 2002. The table below depicts the helicopter transition schedule for the MH-60S.

TYPE SQUADRON	HELICOPTER REPLACED	TRANSITION START DATE
HC	H-46D UH-3H	1st Qtr FY02 FY04
HM	MH-53E	FY05
HS	HH-60H	FY06
HCS	HH-60H	FY07
NAS	HH-1N UH-3H	FY09
HC-4	MH-53E	FY10

G. DESCRIPTION OF NEW DEVELOPMENT

1. Functional Description. The MH-60S is a single main rotor, twin-engine helicopter manufactured by Sikorsky Aircraft Corporation (SAC). It is configured with a 20-degree tractor-type canted tail rotor, controllable stabilator, conventional fixed landing gear, external cargo hook, and rescue hoist.

The MH-60S is able to operate day or night, under adverse weather conditions, including flight in light icing. It is compatible with all current and future aircraft carriers, Combat Logistics Force (CLF), Military Sealift Command, and Amphibious Task Force ships to include fitting inside the hangars of all CLF ships without ship alteration. The MH-60S is capable of operating over all designated ship hover areas and is compatible for limited operation aboard both aviation and air capable ships proportionate with a fixed fore-to-aft wheel base of 29 feet.

a. MH-60S Multi-Mission Helicopter

(1) Avionics Systems. The MH-60S avionics system represents a modern integration of avionics sensors and subsystems with a central Communications System Controller and a dual-redundant MIL-STD-1553B multiplex data bus.

(2) Communications. The communications system consists of dual Ultra-High Frequency/Very High Frequency radio transmitter-receivers capable of plain and secure transmission, Identification Friend or Foe, and Satellite Communications with Demand Assigned Multiple Access capability.

(3) Navigation. The MH-60S navigation equipment consists of the Global Positioning System (GPS), Multi-functional Displays, Inertial Navigation System (INS),

Downed Aviators Locating System, and Ground Proximity Warning System. The navigation hardware includes two Embedded GPS/INS (EGI) Systems, two Air Data Transducers, two Flight Data Displays, two Mission Data Displays, Tactical Air Navigation, Direction Finding Antenna, and Radar Altimeters.

The MH-60S incorporates the Navy H-60 Automatic Flight Control Computer which provides for approach, hover, and departure maneuvers to be fully coupled with precision navigation capabilities, along with night-time over-water hover capabilities. The MH-60S Helicopter will use the latest Advanced Flight Control Computer (currently being procured through a Navy-led Engineering Change Proposal).

(4) Night Vision Devices. The MH-60S shares a Common Cockpit Display System with the MH-60R. It is compatible with Night Vision Devices (NVD) fitted with a color filtering system and includes an NVD Head-Up Display. Exterior aircraft lighting, including position lights and electro-luminescent formation lights, are NVD-friendly. The searchlight is suitable for both NVD and non-NVD flight operations.

(5) Survivability. The MH-60S has a hardened fuel system and dynamic components, an engine Hover Infrared Suppressor (HIS) system, and wire strike protection to enhance crew survivability.

(6) Airframe. The airframe consists of a cockpit (common with the MH-60R), cabin, main rotor, transition section, tail cone, fixed landing gear, controllable stabilator, tail pylon, and external cargo hook. The airframe is designed to stringent flight maneuvering, landing, and crash requirements. Doors are provided on both sides of the cockpit for normal entrance and exit of the pilot and copilot. A jettisonable window in each door provides an emergency exit. Dual sliding cabin doors provide normal access for personnel and cargo to the cabin area. In addition, left hand and right hand gunners' windows are included. These windows provide the primary aircrew emergency egress paths during towed OAMCM missions.

(7) Internal Cargo. The MH-60S has an internal cargo roller and guide system for handling and securing 40 inch by 48 inch palletized internal cargo.

(8) Power Plant System. The power plant installation consists of two Marinized T700-GE-401C front-drive, turboshaft engines built of modular construction. Each demountable power package provides the drive power for main and tail rotor operation and aircraft accessories. The standard engine exhaust ducts were replaced by ones incorporating a helicopter infrared suppressor system.

(9) Auxiliary Power Unit System. The Auxiliary Power Unit (APU) consists of either a Hamilton-Sun T-62T-40-1 or a Garrett GTCP-36-150 turboshaft engine that provides pneumatic power for starting the main engines and operating the Environmental Control System (ECS) on the ground.

(10) Drive System. The drive system consists of main, intermediate, and tail gearboxes with interconnecting shafts. A rotor brake is provided for stopping and holding the main rotor and locking the rotor system for automatic blade fold operation.

(11) Main and Tail Rotor System. The main rotor consists of four fully articulated titanium and fiberglass composite blades. The tail rotor is a four-bladed bearingless crossbeam rotor. The main rotor blades and tail pylon are capable of being folded for storage.

(12) Electrical System. Two independent drive generators power the electrical system. A third APU-driven generator provides emergency electrical power and power for ground maintenance and pre-flight checks.

(13) Hydraulic System. Three separate and independent hydraulic power sources with dual isolated distribution systems provide redundant power for primary flight controls and mission equipment.

(14) Environmental Control System. The ECS, which consists of an air-cycle control unit and the necessary associated controls and valves, provides environmental control for selected sections of the aircraft.

(15) Rescue Hoist System. A hydraulically powered rescue hoist system capable of raising and lowering a 600-pound load is installed.

(16) Anti-Ice Systems. Separate windshield, rotor blade, engine, and engine inlet anti-ice systems were installed to keep ice from forming on critical aircraft surfaces.

(17) Fire Detection and Extinguishing Systems. A fire detection and fire extinguishing system is installed for each engine and the APU.

(18) Auxiliary Fuel Tank. The 200 gallon (194 gallon useable) Robertson Auxiliary Fuel Tank is 74" by 42" by 19.5", weighs 375 pounds (assembled), and is mounted flush against the after cabin wall. The Auxiliary Fuel Tank assembly consists of the tank, floorpan, restraint system, fuel hoses, electrical interfaces, and vent hoses. The Auxiliary Fuel tank is crashworthy, ballistically tolerant or "hardened," pressure re-fuelable, and has On Board Inert Gas Generating System (OBIGGS) capability.

(19) Ultra Low Maintenance Battery. The Ultra Low Maintenance Battery (ULMB) is co-located with the Battery Analyzer/Conditioner in the cockpit under the copilot's seat. In the past, the fleet experienced a high rate of battery failures caused by over charging. The new ULMB features non-replaceable cells, has a normal maintenance cycle of one year, and is designed to be more reliable than the previous battery.

b. Combat Search and Rescue/Special Warfare Support. Combat Search and Rescue and Special Warfare Support systems include the following:

(1) Forward Looking Infrared. The Forward Looking Infrared (FLIR) system for the MH-60S Armed Helo/SWS version is designed to maintain commonality with the FLIR currently in use on other Navy H-60 helicopters and possesses a laser range designator with automatic tracking and bore-sight capability.

(2) Weapons. The Armed Helo/SWS version of the MH-60S is planned to have a forward firing weapon system (e.g., gun or rocket system) and a precision-guided air-to-ground missile system. The Armed Helo/SWS helicopter is also planned to be equipped with crew-operated side suppression weapons.

(3) Survivability. In addition to the previously described enhanced crew survivability features, the Armed Helo/SWS helicopter is planned to have provisions for a laser detection system, a plume detection system, a radar warning receiver, an infrared jamming system, and chaff and flare dispensers.

c. Organic Airborne Mine Countermeasures Suite. The OAMCM suite will be comprised of several modular systems and bolt-on components. A modular Common Console (CC) and a Carriage, Stream, Tow, and Recovery System (CSTRS) are being procured by PMA299. Detailed descriptions of these systems will be included in future revisions of this NTSP as the systems mature.

The MH-60S Helicopter, using the OAMCM suite currently under development, will be capable of conducting organic and dedicated AMCM operations. Airborne Mine Defense Program Manager, Sea (PMS) 210, is procuring five additional OAMCM mission systems. PMS210 is currently developing NTSPs for each of these planned OAMCM mission system components:

(1) Airborne Laser Mine Detection System. The Airborne Laser Mine Detection System (ALMDS) will use Laser Induced Differential Absorption Radar technology to detect, localize, and classify near-surface moored and floating sea mines. The ALMDS will provide self-protection, mine avoidance, and precursory reconnaissance in any combat escort role. It will be deployed from the MH-60S Helicopter as a non-towed system.

(2) Organic Airborne and Surface Influence Sweep. The Organic Airborne and Surface Influence Sweep (OASIS) will provide an organic, high-speed, magnetic, and acoustic influence minesweeping capability to be towed by the MH-60S Helicopter or selected surface craft in support of the Carrier Battle Group and ARG.

(3) Airborne Mine Neutralization System. The Airborne Mine Neutralization System (AMNS) will be a non-towed system deployed from the MH-60S Helicopter to explosively neutralize unburied bottom and moored sea mines that would be impractical or unsafe to counter using conventional minesweeping techniques. The AMNS operator will use the AMNS sonar to re-acquire the target; capture it on video for situational information; and then guide the expendable neutralizer to the optimal position for firing a self-contained shaped charge for mine neutralization.

(4) AN/AQS-20/A Sonar Mine Detecting Set. The AN/AQS-20/A will be a towed system capable of detection, localization, classification, and identification of bottom, close-tethered, and volume mines.

(5) Rapid Airborne Mine Clearance System. The Rapid Airborne Mine Clearance System (RAMICS) will consist of a non-towed integrated targeting fire control gun system with super-cavitating projectile technologies. The system will have a re-acquisition and prosecution capability against near-surface moored mines

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(7) AN/AQS-20/A Sonar Mine Detecting Set. The AN/AQS-20/A will be a towed system capable of detection, localization, classification, and identification of bottom, close-tethered and volume mines.

(8) Rapid Airborne Mine Clearance System. The Rapid Airborne Mine Clearance System (RAMICS) will consist of a non-towed integrated targeting fire control gun system with super-cavitating projectile technologies. The system will have a re-acquisition and prosecution capability against near-surface moored mines

2. Physical Description. The MH-60S Helicopter is a hybrid H-60, using an Army UH-60 Blackhawk utility airframe in combination with Navy Seahawk powertrain, transmissions, and dynamic components. The MH-60S incorporates new design items not currently in use by either the UH-60L or SH/HH-60 airframe lines. The MH-60S adapts the SH/HH-60 tail pylon to the UH-60L tail cone with a MH-60S-unique canted bulkhead at the tail cone and tail pylon interface. This bulkhead marries the two components by providing a Naval H-60 interface on its aft face to accommodate the Naval H-60's fold hinges and quick disconnect mechanism, and a UH-60L interface on its forward face to accommodate the UH-60's tail landing gear and tail cone interface. The UH-60L tail cone flight controls were re-routed to accommodate the Naval H-60 rapid-fold tail pylon.

The principal MH-60S Helicopter dimensions and weights are as follows:

Dimensions:

Fuselage	50 feet	¾ inches	length
	8 feet	10 inches	width
Operational.....	64 feet	10 inches	length
	17 feet	0 inches	height
Folded	40 feet	11 inches	length
	13 feet	3 inches	height
Main Rotor.....	53 feet	8 inches	diameter (four blades)
Tail Rotor.....	11 feet	0 inches	diameter (four blades)

Weights:

Empty.....	14,204	pounds
Maximum Gross.....	23,500	pounds
Internal Payload	5,500	pounds
External Payload	6000	pounds

3. New Development Introduction. The MH-60S Helicopter is being introduced into the fleet as a new production aircraft.

4. Significant Interfaces. Not Applicable (NA)

5. New Features, Configurations, or Material

a. MH-60S and MH-60R Commonality. The MH-60S cockpit and the communication and navigation equipment package are designed to be common with the MH-60R Helicopter. The two platforms will share existing support infrastructure (e.g., technical publications, support equipment, training pipelines, training devices, spares) to the maximum extent to avoid further requirements for support infrastructure.

b. Interactive Electronic Technical Manuals. Interactive Electronic Technical Manuals (IETM) provide users with maintenance information: system theory, troubleshooting, fault isolation, repair procedures, and parts information. At this time, a Class III IETM is used allowing the user to search the Standardized General Markup Language (SGML) based database through structured hyperlinks. IETM technical manuals offer equivalent or better functionality than paper in a medium that is easier to manage at the fleet user level. IETMs reduce publication, training, production, and distribution costs. Web-based IETMs (WIETMs) will be discussed in future updates to this NTSP.

c. Portable Electronic Display Device. A Portable Electronic Display Device (PEDD) consists of a portable computer (similar or even identical in form and function to a "Laptop") and is required to present the IETM maintenance task information to the user. Ideally, students are first exposed to IETMs and PEDDs at school and not after transferring to their destination activity to begin working on the aircraft.

H. CONCEPTS

1. Operational Concept. The MH-60S Helicopter is operated by a standard crew of four, composed of a pilot, a copilot, and two enlisted aircrewmen. Both the senior and junior aircrewman (operator) should have the same basic technical skills and knowledge; however the junior operator will be developing/ascending to the role of the senior operator as additional skills are mastered. The aircraft will operate in a variety of mission areas consistent with the operational uses stated in paragraph D.1 of this NTSP, and as outlined in the applicable Required Operational Capabilities (ROC) and Projected Operating Environment (POE) documents.

A new NEC 8205 has been established for personnel who perform the in-flight duties of CH-60S Multi-Mission Helicopter (MMH) Aircrewman. (This will reflect MH-60S in future updates to the NEC Manual, NAVPERS 18068F.) Assigned duties will include SAR, VERTREP, VOD, and NVD operations. The source ratings for 8205 include: Aviation Machinist's Mate (AD), AE, Aviation Master Chief (AF), AM, Aviation Structural Mechanic (Safety Equipment) (AME), AT, Aviation Ordnanceman (AO) and Aviation Master Chief (AV).

2. Maintenance Concept. The maintenance concept for the MH-60S is based on the three levels of maintenance as described in the Naval Aviation Maintenance Program (NAMP), OPNAVINST 4790.2 (series): organizational, intermediate, and depot. An organizational-to-depot, organizational-to-Original Equipment Manufacturer (OEM), or streamlined Aircraft Intermediate Maintenance Department (AIMD) for fault verification maintenance concept may be implemented for selected MH-60S equipment. The contractor will perform a Level of Repair Analysis (LORA) on selected new Shop Replaceable Assemblies (SRA) to determine where each should be repaired. NAWCAD Lakehurst is currently evaluating the cost and developing a trade study for each component.

The H-60 In-Service Support Team (ISST) at the Naval Aviation Depot (NAVAVNDEPOT) Cherry Point is leading an effort to change the current H-60 Helicopter maintenance concept which separates the three levels with different facilities and sites. This new concept is the H-60 Integrated Maintenance Concept (IMC), a Reliability Centered Maintenance (RCM)-based approach to maintaining aircraft. This effort will repackage all H-60 maintenance tasks to combine organizational, intermediate, and depot level maintenance efforts to be performed at the homeport between deployments.

Under the IMC plan, depot artisans would be permanently assigned to H-60 homeports and over a to-be-specified period of time, would perform Standard Depot Level Maintenance (SDLM)-like tasks on the aircraft, with much more frequency than the standard eight-to-11-year SDLM cycle. Organizational level would still have at-sea requirements, but the bulk of inspections and preventive maintenance tasks would be performed in port between deployments by integrated organizational, intermediate, and depot level teams.

a. Organizational. Organizational level maintenance functions consist of those maintenance actions normally performed by an operating activity in support of its day-to-day operations. Most MH-60S organizational level maintenance is performed by H-60 Systems Organizational Maintenance Technicians with the 8878 *Initial* or entry-level (E-4 and below)

and the 8378 *Career* or journeyman (E-5 and above) NECs. New NECs have been established specifically for AE and AT personnel trained as MH-60S Electronics Systems Organizational Maintenance Technicians: 8808 (Initial) and 8389 (Career).

(1) Preventive Maintenance. Preventive Maintenance consists of scheduled inspections and servicing requirements as prescribed by the applicable Maintenance Requirements Cards. The frequency and duration of preventive maintenance actions are similar to the SH/HH-60 Helicopter's 150-hour A, B, C, and D series phased inspections, as well as the daily, turnaround, conditional, and special inspection requirements. The MH-60S maintenance program will incorporate and maintain an RCM program.

(2) Corrective Maintenance. Corrective Maintenance consists of fault isolation to a defective Weapon Replaceable Assembly (WRA) or SRA, removal and replacement of defective WRAs or SRAs, and verification of the repair using Built-In Test, appropriate test sets, or Common Support Equipment (CSE). WRAs and SRAs requiring repair beyond the capability of the organizational level are forwarded to the appropriate AIMD. The MH-60S will have the capability to support an Integrated Mechanical Diagnostics System.

b. Intermediate. Intermediate level maintenance is performed on those WRAs and SRAs beyond the organizational maintenance level capability. Intermediate level maintenance consists of fault isolating defective WRAs and SRAs by using CSE and Peculiar Support Equipment (PSE), replacing faulty SRAs and components, and verifying corrective action via the appropriate CSE and PSE. Intermediate level maintenance capability is provided at aircraft carrier-based AIMDs, as well as the wing shored-based AIMDs at NAS North Island, NS Norfolk, NAS Oceana, NAS Jacksonville, NS Mayport, Naval Air Facility (NAF) Atsugi, Japan, and NAS Sigonella, Sicily.

Limited intermediate level repair capability is planned for the amphibious assault ships supporting the deployed HC squadrons' SAR detachments. While avionics WRA and SRA repair capability is anticipated to be negligible, some Consolidated Automated Support System (CASS) Test Program Sets are planned along with possible pre-existing support for several common avionics components. Additionally, Aviation Life Support System equipment, tire and wheel, hydraulic, battery, and composite repair facilities and capabilities will be used in support of MH-60S operations. Navy T700-401C Engine first-degree repair capability at Marine Aviation Logistics Squadron-36 at Marine Corps Air Station Futenma, Okinawa, Japan, is scheduled to transition incrementally to the AIMD at NAF Atsugi.

c. Depot. Depot level maintenance consists of major overhaul of the aircraft or the rebuilding, manufacture, and modification of parts, assemblies, and subassemblies beyond the capabilities of the AIMD. Depot level maintenance of the MH-60S will be performed at Corpus Christi Army Depot, Corpus Christi, Texas. The ISST for the MH-60S will be located at NAVAVNDEPOT Cherry Point, North Carolina. The depot level maintenance concept for the MH-60S is planned to be the IMC program. The MH-60S Navy Support Date is October 2004.

d. Interim Maintenance. Repair and maintenance of the MH-60S weapon system and support equipment during the interim support phase will be a joint contractor and

Navy responsibility. The Navy will repair all material for which organic support exists and both SAC and Lockheed Martin Systems Integration (LMSI) will provide field support as necessary.

Contractor Engineering and Technical Services (CETS) will be employed during the interim support phase. This is particularly important at NS Norfolk and Andersen Air Force Base, Guam, where transition to the MH-60S represents the introduction of the H-60 platform into these geographic areas.

e. Life Cycle Maintenance Plan. The MH-60S Life Cycle Maintenance Plan is still under development. When available, it will be included in future updates to this document.

3. Manning Concept. Qualitative and quantitative manpower requirements for the MH-60S Helicopter are driven by the total preventive and corrective maintenance workload, and the ROC and POE requirements for each type squadron. The number of positions that require manning are dictated by the deployment workload demanding 24 hours of organizational level servicing during cyclic flight operations. The basic watch conditions depend on deployed mission requirements. Squadron missions vary, using either all squadron aircraft assets or separate aircraft detachment deployments, as stated in the appropriate ROC and POE.

Three new NECs have been established to support the MH-60S Helicopter. Enlisted aircrew are awarded the NEC 8205, and organizational maintenance AT and AE personnel are awarded NECs 8808 and 8389. As of January 2002, some formal courses required for NECs 8808 and 8389 were "pending" and the NEC was awardable "through cadre training pending implementation of formal training."

Operator and maintainer manpower for the MH-60S is coming from existing HC and HCS squadron manpower. OAMCM capable squadron manpower requirements have not yet been determined. It is planned that in a future effort the Naval Air Systems Command (NAVAIR) will update the Manpower Estimate Report to document the OAMCM capable squadron requirements employing the MH-60S, estimating the manpower needed for that mission and helicopter support. When available, this data will be included in future updates to this NTSP.

The manpower depicted in Part II of this NTSP is derived from current Activity Manpower Documents (AMD) and Preliminary Squadron Manpower Documents (PSQMD) developed for each HC squadron transitioning to the MH-60S in the next five years. Other PSQMDs have been developed, but were not included because the squadrons are planned to transition to the MH-60S after the five-year window addressed in this NTSP. As their transition dates move closer, these squadrons' manpower requirements will be included in future updates to this NTSP.

4. Training Concept. The MH-60S Helicopter training program consists of initial, transition, and follow-on training for pilot, aircrew, and maintenance personnel. The contractors (SAC and LMSI-Owego) have provided initial operator and maintenance training for Navy Test and Evaluation personnel in support of DT and OT. The contractors have also developed and conducted initial training for instructors at Fleet Readiness Squadrons (FRS), NAMTRAU,

NAMTRAGRU DET, Naval Air Technical Data and Engineering Service Command (NATEC), and contracted Transition Maintenance Training Teams.

Five HC squadrons are the first to transition to the MH-60S from H-46D Helicopters. In addition, HC-85 will transition from the UH-3H Helicopter in FY04. Each squadron will receive transition training concurrent with the MH-60S Helicopter delivery. Transition training will be provided to pilots, aircrewmen, and maintenance technicians already qualified in another type helicopter. HC-3 (NAS North Island) will conduct transition pilot and aircrew training. Transition maintenance training will be conducted at MTU 1022 NAMTRAU North Island by NATEC and by Transition Maintenance Training Teams (TMTT) at NS Norfolk. TMTT training at NS Norfolk will be extended until the appropriate Naval Air Maintenance Training (NAMTRA) instructors and maintenance trainers are available.

MH-60S follow-on pilot and aircrew training is being conducted at HC-3, NAS North Island, and will be initiated at a Norfolk FRS site beginning in FY05.

MH-60S follow-on maintenance training is provided through a combination of new courses and previous H-60 courses that were modified to include MH-60S data. Follow-on training is being conducted at two locations, MTU 1022 NAMTRAU North Island and an as yet To Be Determined (TBD) MTU at NAMTRAU Norfolk. Beginning in third quarter FY03, as other squadrons transition and as student throughput dictates, MTU 1066 NAMTRAGRU DET Mayport or MTU 1005 NAMTRAU Jacksonville may provide additional maintenance training.

Training requirements for the OAMCM mission will be included in future updates to this NTSP as they are identified.

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

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

Note: All E-1 and above enlisted personnel without previous H-60 experience will have to attend MH-60S Initial Training. Additionally, upon completion of MH-60S Initial Training, follow-on career training will be required for E-5 and above.

a. Initial Training

(1) Developmental Test, Operational Test, and Cadre Personnel Initial Training. To support DT, SAC and LMSI were contracted to develop and conduct one session of initial MH-60S differences training for test and evaluation personnel. This training began in December 1999, six weeks prior to the first DT flight test, and was held at the contractor's facilities.

In support of OT, Sikorsky, along with LMSI, developed and conducted an additional session of initial MH-60S differences training at NAWCAD Patuxent River for test and evaluation personnel. This second block of training began in June 2001 and was completed in August 2001. Courseware was supplied by the contractor while training hardware was supplied by the Navy, i.e., the 18 PEDDs (three instructor, 15 student) used for AT IETMs-based maintenance training.

Sikorsky and LMSI developed and conducted two sessions of initial MH-60S differences training at NAS North Island for a cadre of FRS, NAMTRAU, NAMTRAGRU DET, and Transition Maintenance Training Team contracted instructors. Initial Differences training is complete and Ready for Training (RFT) dates, where shown, are listed for historical purposes.

Title	**MH-60S Pilot Initial Differences Training**
Description	This course provided training in the knowledge and skills required to perform as a MH-60S qualified Pilot. This course consisted of separate ground and flight phases.
Locations	° DT: Contractor facilities ° OT: NAS Patuxent River ° Cadre: NAS North Island
Length	24 days
RFT dates	° DT: December 1999 ° OT: Oct 2001 ° Cadre: November 2001
TTE/TD	MH-60S Aircraft
Prerequisite	Pilot qualified in the H-60 Helicopter

Title	**MH-60S MMH Aircrewman Initial Differences Training**
Description	This course provided training in the knowledge and skills required to perform as a MH-60S qualified Aircrewman. This course consisted of separate ground and flight phases.
Location	Cadre: NAS North Island

Length	24 days
RFT date	Cadre: November 2001
TTE/TD	MH-60S Aircraft
Prerequisite	Aircrewman qualified in the H-60 Helicopter

Note: For DT and OT, the MH-60S Multi-Mission Helicopter Aircrewman attended the MH-60S Pilot Initial Differences Training Course.

Title	**MH-60S Power Plants and Related Systems Initial Differences Training**
Description	This course provided Aviation Machinist's Mate personnel with the knowledge and skills required to perform maintenance in a MH-60S squadron.
Locations	° DT: Contractor facilities ° OT: NAS Patuxent River ° Cadre: NAS North Island
Length	5 days
RFT dates	° DT: December 1999 ° OT: October 2001 ° Cadre: First session: 28 January - 1 February 2002 ° Second session: 4 - 8 March 2002
TTE/TD	MH-60S Aircraft
Prerequisite	AD 8378, 8878

Title	**MH-60S Airframes/Hydraulics and Related Systems Initial Differences Training**
Description	This course provided Aviation Structural Mechanic personnel with the knowledge and skills required to perform maintenance in a MH-60S squadron.
Locations	° DT: Contractor facilities ° OT: NAS Patuxent River ° Cadre: NAS North Island
Length	5 days

RFT dates ..... ° DT: December 1999
° OT: October 2001
° Cadre: First session: 4 - 8 February 2002
° Second session: 11 - 15 March 2002

TTE/TD ..... MH-60S Aircraft / PEDDs required

Prerequisite ..... AM 8378, 8878

Title ..... MH-60S Electrical/Instruments Systems / Automatic Flight Control Systems Initial Differences Training

Description ..... This course provided Aviation Electrician's Mate personnel with the knowledge and skills required to perform maintenance in a MH-60S squadron.

Locations ..... ° DT: Contractor facilities
° OT: NAS Patuxent River
° Cadre: NAS North Island

Length ..... First session: 16 days
Second session: 15 days

RFT dates ..... ° DT: December 1999
° OT: October 2001
° Cadre: First session: 28 January - 18 February 2002
° Second session: 4 - 22 March 2002

TTE/TD ..... MH-60S Aircraft

Prerequisite ..... AE 8378, 8878

Title ..... MH-60S Avionics Systems Initial Differences Training

Description ..... This course provided Aviation Electronics Technician personnel with the knowledge and skills required to perform maintenance in a MH-60S squadron.

Locations ..... ° DT: Contractor facilities
° OT: NAS Patuxent River
° Cadre: NAS North Island

Length ..... 20 days

RFT dates ..... ° DT: December 1999
° OT: October 2001
° Cadre: First session: 4 February - 1 March 2002
° Second session: 11 March - 5 April 2002

TTE/TD	MH-60S Aircraft / PEDDs required
Prerequisite	AT 8376, 8876, 8378, or 8878

Title	**MH-60S Non-Designated Airman/Plane Captain Initial Differences Training**
Description	This course provided Non-Designated Airmen and Plane Captains with the knowledge and skills required to perform as a Plane Captain in a MH-60S squadron.
Location	Cadre: NAS North Island
Length	5 days
RFT date	° Cadre: First session: 11-15 February 2002 ° Second session: 18 - 22 March 2002
TTE/TD	MH-60S Aircraft
Prerequisite	None

(2) Fleet Personnel Transition Training. Transition Maintenance Training Teams at NS Norfolk are providing MH-60S maintenance training to AD, AM, AE, and Plane Captain/Non-Designated Airmen personnel, and will continue to provide this training through FY05, or until NAMTRAU Norfolk is able to provide courses utilizing their own instructors with a new set of maintenance trainers. MH-60S AT training is being conducted by NATEC at NAS North Island.

Title	**MH-60S Power Plants and Related Systems Transition Training**
Description	This course provides AD personnel with the knowledge and skills required to perform maintenance in a MH-60S squadron.
Location	NS Norfolk
Length	TBD
RFT date	Second quarter FY02 through FY05
TTE/TD	PEDDs will be provided by the training contractor.
Prerequisite	AD 8378, 8878

Title	**MH-60S Airframes/Hydraulics and Related Systems Transition Training**
Description	This course provides AM personnel with the knowledge and skills required to perform maintenance in a MH-60S squadron.
Location	NS Norfolk
Length	TBD
RFT date	Second quarter FY02 through FY05
TTE/TD	PEDDs will be provided by the training contractor.
Prerequisite	AM 8378, 8878

Title	**MH-60S Electrical/Instruments Systems Transition Training**
Description	This course provides AE personnel with the knowledge and skills required to perform maintenance in a MH-60S squadron.
Location	NAS North Island
Length	TBD
RFT date	Second quarter FY02 through FY05
TTE/TD	PEDDs will be provided by the training contractor.
Prerequisite	AE 8378, 8876

Title	**MH-60S Avionics Systems Transition Training**
Description	This course provides AT personnel with the knowledge and skills required to perform maintenance in a MH-60S squadron.
Locations	NAS North Island
Length	TBD
RFT dates	Second quarter FY02 through FY05
TTE/TD	PEDDs will be provided by the training contractor.
Prerequisite	AT 8376, 8876, 8378, or 8878

Title	**MH-60S Non-Designated Airman/Plane Captain Transition Training**
Description	This course provides Non-Designated Airmen/Plane Captains with the knowledge and skills required to be qualified as a Plane Captain in a MH-60S squadron.
Location	NS Norfolk
Length	TBD
RFT date	Second quarter FY02 through FY05
TTE/TD	PEDDs will be provided by the training contractor.
Prerequisite	None

b. Follow-on Training. Follow-on training is being conducted by HC-3 for pilots and enlisted aircrew personnel and began in second quarter FY02 with the transitioning squadrons. In second quarter FY02, NATEC began conducting maintenance training along with the contracted Transition Maintenance Training Teams addressed in Initial Training above. NAMTRAU North Island will incrementally begin MH-60S maintenance training in FY03. In FY05, MTU XXXX NAMTRAU Norfolk will be RFT and replace the Transition Maintenance Training Teams. All MH-60S follow-on maintenance training will be provided by MTU 1022 NAMTRAU North Island, MTU XXXX NAMTRAU Norfolk, and, if necessary, MTU 1066 NAMTRAGRU DET Mayport and/or MTU 1005 NAMTRAU Jacksonville.

With the exception of the AE and AT ratings, all other enlisted maintenance ratings will be trained with existing SH-60B, SH-60F, and HH-60H aircraft courses modified to incorporate MH-60S differences. For the AT and AE ratings, new Initial and Career MH-60S courses will be developed for electronic and electrical systems. During FY03, all AT personnel will attend MH-60S Electronic Systems training at North Island. NATEC personnel will conduct this training until MTU 1022 establishes the training track and is RFT. MTU 1022 will be able to provide MH-60S electrical systems training to transitioning AE personnel in second quarter FY03.

AO training courses will not require modifications to include the Armed Helo version of the MH-60S if the same or similar weapons installed on the HH-60H will be installed on the MH-60S. Details on AO training to be developed will be included in future updates to this NTSP.

NAMTRA's transition to Computer Based Training (CBT) at MTU 1022 began in second quarter FY98 and is scheduled to be completed by the end of FY02. Therefore, H-60 maintenance training is expected to be in CBT and Computer Aided Instruction (CAI) format prior to the MH-60S curriculum being introduced. The NAVAIRSYSCOM Program Office for Aviation Training Systems, PMA205, is developing a separate MH-60S Differences CBT that will be incorporated into or otherwise used in conjunction with this legacy H-60 CBT.

The following are existing training tracks that will be modified to include the MH-60S Helicopter:

Title	**H-60 Non-Designated Airman/Plane Captain**
CIN	D/E-600-0811
Model Manager....	NAMTRAU North Island
Description.....	This course provides training to the Non-Designated Airman, including: ° Publications, NAMP, Plane Captain Maintenance Control Functions, General Safety Procedures, and Aircraft Familiarization ° Airframe, Hydraulics, and Related Systems ° Powerplants, Main and Tail Rotor, and Related Systems ° Electrical, Instrument, and Lighting Systems ° Mission Avionics and Armament Systems ° General Plane Captain Duties and Responsibilities ° Aircraft Servicing and Inspections Upon completion of this course, the student will be able to perform limited organizational maintenance under direct supervision on H-60 Aircraft.
Locations	° MTU 1022 NAMTRAU North Island (RFT third quarter FY03) ° MTU XXXX NAMTRAU Norfolk (October 2004) ° MTU 1005: TBD ° MTU 1066: TBD
Length.....	23 days
RFT date	Currently available (third quarter FY03 for MH-60S)
Skill identifier.....	None
TTE/TD.....	TTE for MH-60S is TBD. IETM PEDD required. Provider: TBD.
Prerequisite	A-950-0076, Airman Apprentice Training Core Course

Title	**H-60 Power Plants and Related Systems (Career) Organizational Maintenance**
CIN	D/E-601-0813
Model Manager....	NAMTRAU North Island
Description.....	This course provides training to the second tour Aviation Machinist's Mate, including: ° Including Operation, Testing, Troubleshooting, Maintenance, and Repair Procedures ° H-60 Publications and Inspection Limits ° H-60 Power Plants System ° Fuel System Troubleshooting ° Precision Measurement and Vibration Analysis Troubleshooting Upon completion of this course, the student will have sufficient knowledge and skills of the H-60 power plant and related systems equipment to perform organizational maintenance under limited supervision in a squadron environment (both ashore and afloat).
Locations	° MTU 1022 NAMTRAU North Island (RFT third quarter FY03) ° MTU XXXX NAMTRAU Norfolk (October 2004)
Length.....	16 days
RFT date	Currently available (third quarter FY03 for MH-60S)
Skill identifier.....	AD 8378 (E-5 through E-7)
TTE/TD.....	° TTE for MH-60S is TBD. ° IETM PEDD required. Provider: TBD. ° Starboard Engine Trainer ° Main Rotor Blade Trainer ° H-60 Composite Maintenance Trainer
Prerequisite	D/E-602-0810, H-60 Power Plants and Related Systems Initial Organizational Maintenance

Title	**H-60 Power Plants and Related Systems (Initial) Organizational Maintenance**
CIN	D/E-602-0810
Model Manager....	NAMTRAU North Island
Description.....	This course provides training to the first tour Aviation Machinist's Mate, including: ° H-60 Introduction ° Operation, Testing, Troubleshooting, Maintenance, and Repair Procedures ° H-60 Powerplant Systems ° H-60 Main/Tail Rotor Systems ° Power Train Systems ° APU and Related Systems ° Fuel Systems ° H-60 Vibration Analysis Test Set (VATS)/Automatic Track and Balance System (ATABS) Upon completion of this course, the student will have sufficient knowledge and skills of the H-60 Powerplants and Related Systems Equipment to perform organizational maintenance under direct supervision in a squadron environment (both ashore and afloat).
Locations	° MTU 1022 NAMTRAU North Island (RFT third quarter FY03) ° MTU XXXX NAMTRAU Norfolk (October 2004)
Length.....	37 days
RFT date	Currently available (third quarter FY03 for MH-60S)
Skill identifier.....	AD 8878 (E-1 through E-4)
TTE/TD.....	° TTE for MH-60S is TBD. ° IETM PEDD required. Provider: TBD. ° Starboard Engine Trainer ° Main Rotor Blade Trainer ° Composite 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	**H-60 Airframes and Related Systems (Career) Organizational Maintenance**
CIN	D/E-602-0882
Model Manager....	NAMTRAU North Island
Description.....	This course provides training to the second tour Aviation Structural Mechanic, including: ° Testing, Troubleshooting, Maintenance, and Repair Procedures ° H-60 Publications ° Precision Measurement/Main Landing Gear/Stabilator ° Permaswage Repair ° Torque Shafts and Flight Control Rigging ° Vibration Analysis Upon completion of this course, the student will have advanced knowledge and skills of the H-60 airframes and related systems equipment to perform organizational maintenance under limited supervision in a squadron environment or in a deployed detachment.
Locations	° MTU 1022 NAMTRAU North Island (RFT third quarter FY03) ° MTU XXXX NAMTRAU Norfolk (October 2004)
Length.....	15 days
RFT date	Currently available (third quarter FY03 for MH-60S)
Skill identifier.....	AM 8378 (E-5 through E-7)
TTE/TD.....	° TTE for MH-60S is TBD. ° IETM PEDD required. Provider: TBD. ° Landing Gear Trainer ° Main Rotor Blade Trainer ° Composite Maintenance Trainer
Prerequisite	D/E-602-0883, H-60 Airframes and Hydraulic Systems Initial Organizational Maintenance

Title	**H-60 Airframes and Hydraulic Systems (Initial) Organizational Maintenance**
CIN	D/E-602-0883
Model Manager....	NAMTRAU North Island
Description.....	This course provides training to the first tour Aviation Structural Mechanic, including: ° H-60 Helicopter Familiarization ° Including Operation, Testing, Troubleshooting, Maintenance, and Repair Procedures ° Main and Tail Landing Gear, Tail Bumper, and Recovery Assist Secure, and Traversing (RAST) System ° Hydraulic Power and Utility Hydraulic Systems ° Main and Tail Rotor Blades, Inspection Method, Main Rotor and Rotor Brake System ° Rotary Wing Aerodynamics, Flight Control, Stabilator, and Flight Control Rigging Upon completion of this course, the student will have sufficient knowledge and skill of the H-60 airframes and related systems equipment to perform organizational level maintenance under direct supervision in a squadron environment or in a deployed detachment.
Locations	° MTU 1022 NAMTRAU North Island (RFT third quarter FY03) ° MTU XXXX NAMTRAU Norfolk (October 2004)
Length.....	36 days
RFT date	Currently available (third quarter FY03 for MH-60S)
Skill identifier.....	AM 8878 (E-1 through E-4)
TTE/TD.....	° TTE for MH-60S is TBD. ° IETM PEDD required. Provider: TBD. ° Landing Gear Trainer ° Main Rotor Blade Trainer ° RAST/Tail Wheel/Hoist Trainer ° Composite Maintenance Trainer
Prerequisites.....	° C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1 ° C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Intermediate Level Strand Class A1

The newly established pilot and aircrew training pipelines will be renamed to reflect the nomenclature change to MH-60S. Refer to paragraph I.H.4.d of this NTSP for additional information on proposed pipelines and training tracks and changes to newly established pipelines. All training track and course titles listed below are either proposed or recently approved:

Title	**MH-60S Fleet Replacement Pilot Category I**
CIN	E-2C-3100
Model Manager....	HC-3
Description.....	This course provides training to the Category I Fleet Replacement Pilot, including: ° Systems Tactical Mission Preparation and Procedures ° SAR ° Instrument and Navigation Systems ° Ground, Flight, and Water Landing Training ° VERTREP ° NVD Training ° Aircrew Coordination, Tactics, and Safety ° Naval Air Training and Operating Procedures Standardization (NATOPS) check Upon completion, the student will be able to perform as a MH-60S Pilot in a squadron environment.
Location	HC-3, NAS North Island
Length	142 days
RFT date	Second quarter FY02
Skill identifier	1311
TTE/TD.....	° Tactical/Operational Flight Trainer (TOFT) ° Weapon System Trainer (WST) **See note below.**
Prerequisites.....	° B-322-0042, Refresher Aerospace Physiology Helicopter Training ° P-7C-0039, Basic Officer Leadership Training Course ° D/E-2D-0039 Survival Evasion Resistance Escape ° B-9E-1226, Naval Aviation Water Survival Training R-3 ° Designated Naval Helicopter Pilot

Note: The WST is composed of a TOFT connected to a Weapons Tactics Trainer (WTT) and is used only for conducting Coordinated Aircrew training.

Title	**MH-60S Fleet Replacement Pilot Category II**
CIN	E-2C-3102
Model Manager....	HC-3
Description.....	This course is designed to transition CH-46 Helicopter Pilots to the MH-60S and to provide refresher Category II MH-60S Fleet Replacement Pilots the knowledge and skills required to perform as a MH-60S qualified Pilot, through ground and flight training, including: ° Systems Tactical Mission Preparation and Procedures ° SAR ° Instrument and Navigation Systems ° Ground, Flight, and Water Landing Training ° VERTREP ° NVD Training ° Aircrew Coordination, Tactics, and Safety ° NATOPS Check Upon completion, the student will be able to perform as a MH-60S Pilot in a squadron environment.
Location	HC-3, NAS North Island
Length	127 days
RFT date	Second quarter FY02
Skill identifier	1311
TTE/TD.....	° TOFT ° WST
Prerequisites.....	° B-9E-1226, Naval Aviation Water Survival Training R-3 ° B-322-0042, Refresher Aerospace Physiology Helicopter Training ° Helo FRS Graduate (Any)

Title	**MH-60S Fleet Replacement Pilot Instructor Under Training**
CIN	E-2C-3104
Model Manager....	HC-3
Description.....	This course provides the fleet experienced MH-60S Aircraft Commander the skills and techniques required for performance as a Fleet Readiness Squadron Instructor Pilot, including: ° Ground Training: - Safety - MH-60S systems - Instructor techniques and principles ° Flight Training: - Safety - Systems Familiarization - Instrument and Tactical Flights - Tactical Mission Preparation and Procedures - Aircrew Coordination - NATOPS Upon completion, the student will be able to perform as a MH-60S Instructor Pilot in a FRS environment.
Location	HC-3, NAS North Island
Length	52 days
RFT date	Third quarter FY02
Skill identifier	1312
TTE/TD.....	° TOFT ° WST
Prerequisites.....	° Designated Service Group II Naval Aviator ° Designated MH-60S qualified Pilot

Title	**MH-60S Fleet Replacement Aircrewman Category I**
CIN	E-050-3100
Model Manager....	HC-3
Description.....	This course provides ground and flight training to the MH-60S Category I Aircrewman with no previous MH-60S Helicopter experience. ° Systems and Missions ° Familiarization ° SAR ° VERTREP ° NVD Operations ° External Cargo and Rescue Hoist Operation ° Coupled Hover System ° NATOPS Evaluation Upon completion, the student will be able to perform as a MH-60S Aircrewman in a squadron environment.
Location	HC-3, NAS North Island
Length	87 days
RFT date	Second quarter FY02
Skill identifier	8205 (various aircraft maintenance ratings)
TTE/TD.....	° WTT ° WST
Prerequisites.....	° Q-050-1500, Naval Aircrew Candidate School ° Q-050-0600, Aviation Rescue Swimmer School

Title	**MH-60S Fleet Replacement Aircrewman Category II**
CIN	E-050-3102
Model Manager....	HC-3
Description.....	This course provides the transitioning Category II Aircrewman the knowledge and skills and required to perform as a qualified MH-60S Aircrewman, including: ° Systems and Missions ° Familiarization ° SAR ° VERTREP ° NVD Operations ° External Cargo and Rescue Hoist Operation ° Coupled Hover System ° NATOPS Evaluation Upon completion, the student will be designated as a MMH Aircrewman and be able to perform the MH-60S Fleet Operational Mission.
Location	HC-3, NAS North Island
Length	73 days
RFT date	FY02
Skill identifier	8205 (Source ratings: AD, AE, AM, AF, AME, AO, AT, and AV)
TTE/TD.....	° WTT ° WST
Prerequisites.....	° B-322-0042, Refresher Aerospace Physiology Helicopter Training ° B-9E-1226, Naval Aviation Water Survival Training R-3 ° NEC 8216

Title	**MH-60S Fleet Replacement Aircrewman Instructor Under Training**
CIN	E-050-3104
Model Manager....	HC-3
Description.....	This course provides the MH-60S Aircrewman Instructor the skills and techniques required for performance as an Aircrew Instructor, including: ° Ground and Flight Training ° System Familiarization ° Instructional Techniques ° Aircrew Coordination, Tactics, and Safety ° NATOPS Evaluation Upon completion, the student will be able to perform as a MH-60S Aircrew Instructor in a FRS environment.
Location	HC-3, NAS North Island
Length	30 days (estimated)
RFT date	Third quarter FY02
Skill identifier	8205/9502
TTE/TD.....	° WTT ° WST
Prerequisite	Designated Naval Aircrewman, previously qualified in H-60 helicopters

Title	**MH-60S Electronic Systems (Initial) Organizational Maintenance**
CIN	D/E-102-0828 (Formerly designated D/E-102-XXX1)
Model Manager....	NAMTRAU North Island
Description	This course provides training to the first tour Aviation Electronics Technician, including: ° Publications, General Safety Procedures, and Aircraft Familiarization ° Operation, Testing, Troubleshooting, and Maintenance Procedures for: ° Tactical Data Management Systems ° Communication Systems ° Navigation Systems ° Mission Sensor Systems ° Electronic Protection Systems ° As the Avionics Maintenance Trainer (AMT) eventually becomes configured: - FLIR/Hellfire Systems - FLIR/LASER Range-finder Designator System Upon completion of this course, the student will be able to perform MH-60S Helicopter organizational maintenance in a squadron environment under close supervision.
Locations	° MTU 1022 NAMTRAU North Island ° MTU 1005 NAMTRAU Jacksonville ° MTU XXXX NAMTRAU Norfolk
Length.....	57 days (estimated)
RFT dates.....	° MTU 1022: Third quarter FY03 ° MTU 1005: Third quarter FY03 ° MTU XXXX: October 2004
Skill identifier.....	8808
TTE/TD.....	° TTE for MH-60S is TBD. ° IETM PEDD laptop hardware required. Provider: TBD. ° AMT is required: TBD.
Prerequisites.....	° C-100-2020, Avionics Common Core Class A1 ° C-100-2018, Avionics Technician O Level Class A1

Title	**MH-60S Electronic Systems (Career) Organizational Maintenance**
CIN	D/E-102-XXX2
Model Manager....	NAMTRAU North Island
Description.....	This course provides training to the second tour Aviation Electronics Technician, including: ° SH-60F/HH-60H Integrated Weapons System Avionics Suite and Power Distribution ° Integrated Weapons System Operation, Interface, Testing, and Troubleshooting ° Advanced Theory, Testing, Troubleshooting, and Maintenance Procedures Upon completion of this course, the student will be able to perform MH-60S Helicopter organizational maintenance in a squadron environment under limited supervision.
Locations	° MTU 1022 NAMTRAU North Island ° MTU XXXX NAMTRAU Norfolk
Length.....	19 days (estimated)
RFT dates.....	° MTU 1022: Third quarter FY03FY03 ° MTU XXXX NAMTRAU Norfolk: October 2004
Skill identifier.....	8389
TTE/TD.....	° TTE for MH-60S is TBD. ° IETM PEDD laptop hardware required. Provider: TBD. ° AMT is required: TBD.
Prerequisite	D/E-102-XXX1, MH-60S Electronics Systems Initial Organizational Maintenance

Note: As with the Electronics System organizational maintenance courses, information on Electrical Systems organizational maintenance courses will be provided as Catalog of Navy Training Courses (CANTRAC) information is updated. The new track for MH-60S Electrical/Instrument System (Initial) Organization Maintenance is listed as D-602-0858 (status as of November 16, 2002).

Title	**MH-60S Electrical Systems (Initial) Organizational Maintenance**
CIN	D/E-602-XXX1
Model Manager....	TBD
Description.....	This course provides training to the first tour Aviation Electrician's Mate, including: ° Aircraft Familiarization, Publications, NAMP, Maintenance Data System, and General Safety Procedures ° Airframe, Hydraulics, and Related Systems ° Powerplants and Related Systems ° Electrical, Instrument, and Related Systems ° Mission Avionics and Armament Systems Upon completion of this course, the student will be able to perform MH-60S Helicopter organizational maintenance in a squadron environment under close supervision.
Locations	° MTU 1022 NAMTRAU North Island ° MTU XXXX NAMTRAU Norfolk
Length.....	86 days (estimated)
RFT dates.....	° MTU 1022: Third quarter FY03 ° MTU XXXX NAMTRAU Norfolk: October 2004
Skill identifier.....	8808
TTE/TD.....	° TTE for MH-60S is TBD. ° IETM PEDD laptop hardware required. Provider: TBD. ° Automatic Flight Control Systems (AFCS) ° Landing Gear Trainer ° RAST/Tail Wheel/Hoist Trainer ° Starboard Engine Trainer ° Composite Trainer ° A modified or new (TBD) AMT is required. Delivery: TBD
Prerequisites.....	° C-100-2020, Avionics Common Core Class A1 ° C-602-2039, Aviation Electrician's Mate O-Level Strand Class A1

Title	**MH-60S Electrical Systems (Career) Organizational Maintenance**
CIN	D/E-602-XXX2
Model Manager....	TBD
Description.....	This course provides training to the second tour Aviation Electrician's Mate, including: ° Fuel Systems ° Advanced Theory and Troubleshooting of the Blade Fold System ° Engine System Troubleshooting ° Flight Control Systems Theory and Troubleshooting Upon completion of this course, the student will be able to perform MH-60S Helicopter organizational maintenance in a squadron environment under limited supervision.
Locations	° MTU 1022 NAMTRAU North Island ° MTU XXXX NAMTRAU Norfolk
Length.....	17 days (estimated)
RFT dates.....	° MTU 1022: Third quarter FY03 ° MTU XXXX NAMTRAU Norfolk: October 2004
Skill identifier.....	8389
TTE/TD.....	° TTE for MH-60S is TBD. ° IETM PEDD laptop hardware required. Provider: TBD. ° AFCS Trainer ° Landing Gear Trainer ° RAST/Tail Wheel/Hoist Trainer ° Starboard Engine Trainer ° Composite Trainer ° A modified or new (TBD) AMT is required. Delivery: TBD
Prerequisite	D/E-602-0855, H-60 Electrical/Instruments and Automatic Flight Systems Initial Organizational Level Maintenance

c. Selected Reserve Training. Selected Reserve personnel may earn maintenance qualifications for NECs through On-the-Job Training (OJT) or by attending formal training at NAMTRAUs and NAMTRAGRU DETs, providing quotas, funding, and students are available to attend the training. Specific guidelines are contained in NAVPERS 18068F Volume II, Chapter IV, Navy Enlisted Classifications.

d. Student Profiles

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
1311, 1312	° Q-2A-0001, Primary Flight Training ° Q-2A-0010, Joint T-34C/T-6A Intermediate Flight Training ° Q-2A-0015, Undergraduate Helicopter Pilot Training ° E-2D-0032, Survival, Evasion, Resistance, and Escape Training ° J-495-0413, Shipboard Aircraft Firefighting
8205	° Q-050-1500, Naval Aircrewman Candidate School ° Q-050-0600, Aviation Rescue Swimmer School ° E-2D-0032, Survival, Evasion, Resistance, and Escape Training
AD 8378	° C-601-2011, Aviation Machinist's Mate Common Core Class A1 ° C-601-2012, Aviation Machinist's Mate Helicopter Fundamentals Strand Class A1 ° D/E-602-0810, H-60 Power Plants and Related Systems Initial Organizational Maintenance
AD 8878	° C-601-2011, Aviation Machinist's Mate Common Core Class A1 ° C-601-2012, Aviation Machinist's Mate Helicopter Fundamentals Strand Class A1
AE 8389	° C-100-2020, Avionics Common Core Class A1 ° C-602-2039, Aviation Electrician's Mate O Level Strand Class A1 ° D/E-602-0858, MH-60S Electrical Systems Initial Organizational Maintenance
AE 8808	° C-100-2020, Avionics Common Core Class A1 ° C-602-2039, Aviation Electrician's Mate O Level Strand Class A1
AM 8378	° C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1 ° D/E-602-0883, H-60 Airframes and Hydraulic Systems Initial Organizational Maintenance
AM 8878	° C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1
AN	° A-950-0076, Airman Apprentice Training Core Course

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
AO 8378	° C-646-2011, Aviation Ordnanceman Common Core Class A1 ° C-646-2012, Aviation Ordnanceman Airwing Strand Class A1
AT 8389	° C-100-2020, Avionics Common Core Class A1 ° C-100-2018, Avionics Technician O Level Class A1 ° D/E-102-0828, MH-60S Electronics Systems Initial Organizational Maintenance
AT 8808	° C-100-2020, Avionics Common Core Class A1 ° C-100-2018, Avionics Technician O Level Class A1

e. Training Pipelines. The following newly established pipelines and proposed maintenance training tracks are required to support the MH-60S. The pilot and aircrew pipelines require a title change to reflect the recent nomenclature change from CH-60S to MH-60S. Pipeline and track and course titles were reviewed in CANTRAC, the OPNAV (Aviation) Training Maintenance System (OATMS), and the Navy Training Management and Planning System (NTMPS). The OATMS database is considered the authoritative source of aviation training pipeline and course data (exclusive of course descriptions which are derived primarily from CANTRAC information). Four new training tracks are proposed for AE and AT initial and career training, specifically for the MH-60S.

(1) E-2C-3100, CH-60S Fleet Replacement Pilot Category I Pipeline. Change title to ***MH-60S Fleet Replacement Pilot Category I Pipeline*** in CANTRAC and NTMPS to reflect MH-60S vice CH-60S (title is correct is OATMS). Contains pipeline segment or component course E-2C-3101 that also needs similar title change in CANTRAC only (see below). No other modifications required.

(2) E-2C-3101, CH-60S Fleet Replacement Pilot Category I. Change title to ***MH-60S Fleet Replacement Pilot Category I*** in CANTRAC and NTMPS (title is correct is OATMS). No other modifications required.

(3) E-2C-3102, CH-60S Fleet Replacement Pilot Category II Pipeline. Change title to ***MH-60S Fleet Replacement Pilot Category II Pipeline*** in CANTRAC (title is correct is OATMS). Contains pipeline segment or component course E-2C-3103 that needs similar title change in CANTRAC only (see below). No other modifications required.

(4) E-2C-3103, CH-60S Fleet Replacement Pilot Category II. Change title to ***MH-60S Fleet Replacement Pilot Category II***. No other modifications required.

(5) E-2C-3104, CH-60S Fleet Replacement Pilot Instructor Under Training. Change title to ***MH-60S Fleet Replacement Pilot Instructor Under Training***. No other modifications required.

(6) E-050-3100, CH-60S Fleet Replacement Aircrewman Category I Pipeline. Change title to ***MH-60S Fleet Replacement Aircrewman Category I Pipeline***. Contains pipeline segment or component course E-050-3101 that also needs title change (see below). No other modifications required.

(7) E-050-3101, CH-60S Fleet Replacement Aircrewman Category I. Change title to ***MH-60S Fleet Replacement Aircrewman Category I.*** No other modifications required.

(8) E-050-3102, CH-60S Fleet Replacement Aircrewman Category II Pipeline. Change title to ***MH-60S Fleet Replacement Aircrewman Category II Pipeline.*** Contains pipeline segment or component course E-050-3103 that also needs title change (see below). No other modifications required.

(9) E-050-3103, CH-60S Fleet Replacement Aircrewman Category II. Change title to ***MH-60S Fleet Replacement Aircrewman Category II.*** No other modifications required.

(10) E-050-3104, CH-60S Fleet Replacement Aircrewman Instructor Under Training. Change title to ***MH-60S Fleet Replacement Aircrewman Instructor Under Training.*** No other modifications required.

(11) D/E-602-XXX1, MH-60S Electrical Systems Initial Organizational Maintenance. Establish new training track for MH-60S Electrical Systems Initial Organizational Maintenance for AE 8808 personnel, track length 86 days (estimated).

(12) D/E-602-XXX2, MH-60S Electrical Systems Career Organizational Maintenance. Establish new training track for MH-60S Electrical Systems Career Organizational Maintenance for AE 8389 personnel, track length 17 days (estimated).

(13) D/E-102-0828, MH-60S Electronic Systems Initial Organizational Maintenance. This is the new training track established for MH-60S Electronic Systems Initial Organizational Maintenance training of AT 8808 personnel, formerly listed in the draft NTSP as D/E-102-XXX3.

Note: All titles should reflect MH-60S vice CH-60S. CANTRAC and OATMS should agree on course titles, CINs, and course lengths, etc. CANTRAC lists this course giving a projected status date 16 November 2002 and a projected course length of 10 days. Segment courses listed include: C-600-3601 Command Indoctrination, C-602-3770 Laser Safety Fundamentals, C-602-4410 H-60 Wire System Repair Organizational Maintenance, C-602-4412 Electronic System (Initial) Organizational Maintenance Course [CANTRAC also lists this last course elsewhere as "C-602-4412 MH-60S Electrical (Initial) Organizational Maintenance Course" - Length 0 days].

OATMS lists D/E-102-0828 as "CH-60S Electronic System (Initial) Organizational Maintenance" and gives course length as 59 days. Pipeline segment courses are listed as C-600-3601 Command Indoctrination (2 days), C-102-9XXX CH-60S Electronic System (Initial) Organizational Maintenance Course (47 days), C-602-3770 Laser Safety Fundamentals (1 day), and C-602-4410 H-60 Wire System Repair Organizational Maintenance (5 days). A remark states, "Pipeline and course lengths are estimated."

(14) D/E-102-XXX4, MH-60S Electronic Systems Career Organizational Maintenance. Establish new training track for MH-60S Electronic Systems Career Organizational Maintenance for AT 8389 personnel, track length 19 days (estimated).

(15) D/E-646-XXX5, H-60 Armament and Related Systems Organizational Maintenance. Armed Helo/OAMCM maintenance training requirements are expected to be similar to the following description of legacy Armament and Related Systems training but will be adapted for MH-60S Armed Helo/OAMCM specific systems. Specific details, including who will perform this maintenance, will be provided in future updates to this NTSP.

Title	**H-60 Armament and Related Systems Organizational Maintenance** (Used as an Example only)
CIN	D/E-646-0840
Model Manager....	NAMTRAU Jacksonville, TBD for MH-60S
Description.....	This course provides training to the Aviation Ordnanceman, including: ° H-60 Helicopter Familiarization ° H-60 Armament System ° H-60 Armament Related Systems ° Machine Gun Systems Upon completion of this course, the student will have sufficient knowledge and skills of H-60 Armament and Related Systems (including operation, testing, maintenance, troubleshooting, and repair procedures) to perform organizational maintenance under limited supervision in a squadron working environment (ashore and afloat). **Note:** Course will be modified for Armed Helo/OAMCM.
Locations	° MTU 1022 NAMTRAU North Island ° MTU 1005 NAMTRAU Jacksonville, TBD for MH-60S
Length.....	36 days, TBD for MH-60S
RFT date	Available for SH-60F, TBD for MH-60S.
Skill identifier.....	AO 8378 (E-3 through E-7), TBD for MH-60S

TTE/TD..... H-60 Armament Maintenance Trainer, TBD for MH-60S

Prerequisites..... ° C-646-2011, Aviation Ordnanceman Class A1
° C-646-2012, Aviation Ordnanceman Airwing Strand Class A1

I. ONBOARD (IN-SERVICE) TRAINING

1. Proficiency or Other Training Organic to the New Development

a. Maintenance Training Improvement Program. The Maintenance Training Improvement Plan is to be replaced by the Aviation Maintenance Training Continuum System.

b. Aviation Maintenance Training Continuum System. The 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 concepts will provide 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. Where appropriate, capitalizing on technological advances and integrating systems and processes can provide the right amount of training at the right time, thus meeting the CNO 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 CAI for the schoolhouse.

Included in the AMTCS development effort is the AMTCS - Software Module, which provides testing (Test and Evaluation), recording (Electronic Certification Qualification Records), 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 data bank. These tools are procured and fielded with appropriate Commercial-Off-The-Shelf hardware and software, i.e., fleet training devices such as laptop computers, desktop computers, Electronic Classrooms, Learning Resource Centers, operating software, and network software and hardware.

Upon receipt of direction from OPNAV (N789H), AMTCS concepts will 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 replace the existing Maintenance Training Improvement Program and Maintenance Training Management and Evaluation Program (MATMEP) programs.

2. Personnel Qualification Standards. Currently, the reserve HCS squadrons use Personnel Qualification Standards (PQS) to train and qualify Pilots and enlisted aircrewmen in the HH-60H Helicopter. Commander, Naval Reserve Force will develop specific PQS for the MH-60S.

3. Other Onboard or In-Service Training Packages. AD and AM personnel who were previously trained and awarded NECs 8378 or 8878 for the SH/HH-60 Helicopters will retain these NECs for the MH-60S Helicopter. These personnel will acquire sufficient knowledge and skills of the MH-60S systems through the OJT process and will be supplemented by contractor engineering and technical services as required.

J. LOGISTICS SUPPORT

1. Manufacturer and Contract Numbers

CONTRACT NUMBER	MANUFACTURER	ADDRESS
DAAJ09-97-C-005	Sikorsky Aircraft Corporation	6900 Main Street P.O. Box 9727 Stratford, CT 06497-9129
N00019-98-C-0012	Lockheed Martin Naval Electronics and Surveillance Systems	9500 Godwin Drive Manassas, VA 20101
N00019-00-G-0231	Lockheed Martin Systems Integration	1801 State Road 17C Owego, NY 13827

2. Program Documentation. The Draft MH-60S Acquisition Logistics Support Plan has been distributed and applies to all phases of the MH-60S life cycle beginning with the initial demonstration and ending with phase out of the MH-60S Helicopter. It serves as the primary plan and guide for the management of the Acquisition Logistics Support Program. It will be used by the PMA299 in monitoring and controlling the progress of logistics while achieving assigned task objectives, schedules, and responsibilities.

3. Technical Data Plan. The MH-60S technical publications will be produced, distributed, and supported in an IETM format, including software and hardware support. The MH-60S technical publications will support the airframe, avionics, engine, and support equipment, and will be developed with close coordination between NATEC, applicable NAVAIRSYSCOM Field Activities, contractor personnel, and the MH-60R/S Fleet Introduction Team.

4. Test Sets, Tools, and Test Equipment. Since the MH-60S is a derivative of other existing H-60 systems, most of the support equipment required is available in the Government inventory. Newly designed MH-60S avionics systems will be fielded with a combination of organic intermediate level support compatible with CASS, an organizational-to-depot, or organizational-to-OEM maintenance concept; and/or a streamlined AIMD for fault verification may be implemented for select MH-60S equipment. All test requirements will be with CASS, unless significant economic and readiness benefits result from use of a unique test set.

5. Repair Parts. Naval Inventory Control Point (NAVICP) files have been updated to reflect MH-60S applicability to the H-60 common parts. A Parts Difference List will be developed using the HH-60H and MH-60S Engineering Gross Requirements List (GRL) and applicable NAVICP tapes. A comparison of the HH-60H and MH-60S GRLs will result in a list of items that are peculiar to the HH-60H only. The contractor will extract these items from the NAVICP tape to produce a list of items common to the MH-60S for delivering to NAVICP. The OEM will provide support for the Common Cockpit. Organizational level spares requirements are expected to increase as a result of the change in support concept. The proposed range of spares will remain unchanged; however, the depth will increase because of increased turnaround time resulting from the time required to ship retrograde non-ready for issue assets back to the Continental United States contractor, then repair the items and them to the fleet. The Material Support Date (MSD) for the MH-60S is October 2003 with the exception of the Common Cockpit, which will be October 2005.

6. Human Systems Integration. The Human Systems Integration (HSI) Plan establishes the basis for effective integration of human factors engineering, manpower, personnel, training, health hazards, and safety considerations into the MH-60S acquisition as outlined in Department of Defense Instruction 5000.2R. The PMA299 Multi-Mission Helicopter HSI Integrated Process Team (IPT) is currently working on a draft version of this HSI Plan.

K. SCHEDULES

1. Delivery Schedule. A total of 237 MH-60S Helicopters will be delivered to the Navy between FY00 and FY13. The earliest versions were used for DT and OT. HC squadrons will be the first to transition to the MH-60S from H-46D and UH-3H Helicopters. HC-3 began training flights in mid-March 2002 and the first three MH-60S helicopters were delivered to operational squadron HC-5 in Guam later that month (31 March). HC-5 Aircrews began flying the MH-60S in May 2002, after completion of Sierra training at the FRS. Other transitions will include additional HC squadrons (employing UH-3H and MH-53E Helicopters), HM squadrons, HCS squadrons, and NAS-based helicopters. The following table depicts the numbers of helicopters to be delivered between FY02 and FY05.

DELIVERY SCHEDULE (NUMBER OF AIRCRAFT)

ACTIVITY	FY02	FY03	FY04	FY05	FY06	FY07
HC-3	3			3	4	
Fleet HC (West Coast)	9	11	8	2	7	
Fleet HC (East Coast)	9	8	4	5	6	12

2. Ready For Operational Use Schedule. The MH-60S will be ready for operational use upon acceptance by the operating activity and completion of Sierra training at the FRS.

3. Time Required to Install at Operational Sites. NA

4. Foreign Military Sales and Other Source Delivery Schedule. For details concerning the FMS program, contact PMA299.

5. Training Device and Technical Training Equipment Delivery Schedule. The MH-60S training system will include both operator and maintainer Training Devices (TD). All MH-60S TDs will be common with the current training suites to the greatest extent and will provide a growth path to the MH-60R. The AFCS/Composite maintenance trainers will require modifications to support the AE training track and vibration adsorber modification (FY04). Where feasible, all TDs will use a common H-60 weapon system architecture and will comply with DoD directives as applicable for networking. Refer to element IV.A.2 of this NTSP for detailed information on TDs and Technical Training Equipment.

a. Operator Training Devices

(1) Tactical Operational Flight Trainer - Pilot Training Only. There is a requirement for nine MH-60S Tactical Operational Flight Trainers (TOFTs) to provide cockpit training for the pilot and copilot. Four are required at NAS North Island, and five at NS Norfolk. These TDs will provide the aircraft system functionality of the pilot station, coupled with a flight fidelity visual system. These TDs will be non-motion based flight simulators that will support pilot and copilot tactics, navigation, equipment malfunction, communications, aircrew coordination, and emergency procedures training as applicable. The visual systems will include a high fidelity day-night image generator, databases, and NVD compatibility. The TOFT will improve aviation safety by allowing the pilot and copilot to practice emergency procedures and refine their aircrew coordination skills. The first MH-60S TOFT was Ready for Training (RFT) at H-3 in January 2002. Future TOFT requirements projections, if any, for NAS Jacksonville and/or NS Mayport will be included in updates to this NTSP.

Note: Current MH-60 Sierra acquisition plans are to provide for nine TOFTs as described above. A tenth TOFT will be acquired with MH-60 Romeo program funding for NAF Atsugi. This

particular TOFT, when used in combination with a Sierra WTT will provide a WST environment for Sierra aircrew training, and when used in combination with a Romeo WTT will provide a WST environment for Romeo aircrew training.

(2) Weapons Tactics Trainer - Operator Aircrewman Training Only. There is a requirement for five MH-60S Weapons Tactics Trainers (WTT) to provide training for the backseat operator aircrewman: two at NAS North Island, two at NS Norfolk, and one at NAF Atsugi. These TDs will consist of a MH-60S cabin mockup with all Sensor Operator functionality incorporated. Future WTT requirements projections will be included in updates to this NTSP.

(3) Weapon System Trainer - Coordinated Aircrew Training. When the WTT is linked to a MH-60S TOFT, a Weapons System Trainer (WST) is formed without necessitating the cost of procuring a separate training device. By linking a TOFT and WTT, coordinated aircrew training can be conducted with the pilot and copilot positioned in the TOFT portion and the operator aircrewman positioned in the rear cabin WTT to simulate flight operations and tactics.

Note: In accordance with the schedule shown below, it is expected that Weapons Systems Trainer configured environments necessary for coordinated aircrew training will be ready for training at NAS North Island and at NS Norfolk in FY06, and at NAF Atsugi in FY10.

(4) Aircrew Virtual Environment Trainer. The Aircrew Virtual Environment Trainer (AVET) is for Operator Aircrewman Mission Training. There is a requirement for five MH-60S AVETs primarily to provide Armed Helo training involving visual interaction with equipment and targets external to the aircraft. Two AVETs are required at NAS North Island, two AVETs at NS Norfolk, and one at NAF Atsugi. AVET projections for other potential training sites will be included in future updates to this NTSP.

(5) Future Planned Training Devices. To facilitate optimal aircrew software familiarization training, future developments will include the MMH Common Cockpit Part Task Trainer for the pilot and copilot and the MH-60S OAMCM Common Console Part Task Trainer. These will consist of portable software modules that can be installed on a PC. Further details will be provided in future updates to this NTSP, as information becomes available.

The following table displays the current schedule for MH-60S WTTs and TOFTs with planned locations and estimated RFT dates.

ACTIVITY	WTT	TOFT	RFT DATE	COMMENTS
NAS North Island		X	FY02	Currently Onboard
NAS North Island		X	FY04	New Manufacture
NS Norfolk		X	FY05	New Manufacture
NAS North Island		X	FY05	New Manufacture
NS Norfolk		X	FY05	New Manufacture
NS Norfolk		X	FY06	New Manufacture
NAS North Island	X		FY06	New Manufacture
NS Norfolk	X		FY06	New Manufacture
NS Norfolk		X	FY07	New Manufacture
NAS North Island		X	FY08	New Manufacture
NAS North Island	X		FY08	New Manufacture
NS Norfolk	X		FY08	New Manufacture
NS Norfolk		X	FY09	New Manufacture
NAF Atsugi	X		FY10	New Manufacture

b. Maintenance Training Devices. In order to use existing H-60 maintenance training devices wherever feasible to train personnel on common systems, it will be necessary to modify some of them for optimal MH-60S training effectiveness. Additionally, some new MH-60S specific trainers must be procured to support MH-60S pipeline training. In general, Maintenance Trainers for AD and AM courses will be located at NAMTRA installations at North Island, Norfolk, Jacksonville, and Mayport, while Maintenance Trainers for AE and AT courses will be located at North Island, Norfolk, and Mayport.

(1) Legacy Maintenance Trainer Modifications. The Composite Maintenance Trainer (CMT) and AFCS Trainer both require modification to include full AE systems functionality. Additionally, the CMT requires MH-60S specific vibration adsorbers. The legacy Main Landing Gear trainers do not adequately cover the training requirements for the MH-60S helicopter and will require modification along with the RAST/Tail Wheel/Hoist Trainer (TBD). The Engine and Main Rotor Blade trainers do not currently require modification.

(2) New Maintenance Trainer Procurement. Fleet training requirements dictate procurement of new TDs where no applicable devices exist or where greater training efficiencies are achieved than by modifying older equipment. The following new TDs are required to support the MH-60S training program:

(a) MH-60S Avionics Maintenance Trainer. The MH-60S AMT is an actual H-60 airframe (nose to transition section) utilizing a combination of actual aircraft subsystems and simulated subsystems. The AMT will be used to demonstrate operation and provide practical maintenance experience including fault isolation techniques for MH-60S-unique systems. Instructor-inserted faults will simulate malfunctions to facilitate trouble-shooting procedures training. There is a requirement for two MH-60 Sierra AMTs to be procured, with one to be located at NAMTRAU MTU 1022 North Island in FY03 and the other at MTU XXXX NAMTRAU Norfolk in FY05. The MH-60 Romeo program will acquire a third AMT for NAMTRAGRU DET Mayport.

AMT #1 will be delivered to North Island in November 2002 but will initially be populated only with MH-60R/S common cockpit avionics in the front of the trainer and no rear cabin gear installed. In order to make the most efficient use of procurement dollars, and because it is planned that North Island will provide both MH-60R and MH-60S training to the fleet, this AMT will be a unique Romeo/Sierra hybrid trainer. The forward section will consist of the common cockpit (with provisions for Romeo/Sierra unique controls and indicators) and will be able to link to either a Romeo Antisubmarine Warfare (ASW) rear cabin avionics suite or a Sierra MMH rear cabin avionics suite. Due to program funding and Romeo/Sierra avionics suite development schedules, the Romeo program will provide for the first of the rear cabin trainer packages at North Island in FY03 and the accompanying Sierra rear cabin package will follow as OAMCM configuration development and Sierra program funding dictate.

Current plans call for AMT #2 (MH-60R version only) to be located at NAMTRAGRU DET Mayport and for AMT #3 (MH-60S version only) to go to NAMTRAU MTU XXXX Norfolk. While on the West Coast, MH-60 Romeo and Sierra maintenance training will both occur at North Island; on the East Coast, it has yet to be determined if Romeo training will only be conducted at Mayport while Sierra training will only be conducted at Norfolk.

FLIR/Hellfire and FLIR/LASER Range-finder Designator systems inclusion in the new MH-60S AMT is TBD.

(b) MH-60S Armament Trainer. For MH-60S Armed Helo, either a legacy Armament Trainer will be modified or a new trainer procured. Currently, Hellfire system inclusion in the new MH-60S trainer is TBD.

(c) MH-60S Composite Maintenance Trainer Suite. A MH-60S Composite Maintenance Trainer Suite (consisting of Landing Gear Trainer, Min Rotor Blade/ Blade Inspection Method (BIM) Trainer, RAST/Tail Wheel Trainer and Starboard Engine Trainer) will be purchased to provide the new set of trainers required for either MTU XXXX Norfolk or Florida. Current trainers located at NAS North Island (two), NAS Jacksonville, and NS Mayport will be updated to include changes introduced with the MH-60S.

The following table displays the locations of the Maintenance trainers:

TRAINING DEVICE	TRAINING LOCATION				COMMENTS
	MTU 1005	MTU 1066	MTU 1022	MTU XXXX	
H-60 AFCS Trainer	X	X	X	X	Modification required: AE
H-60 Composite Maintenance Trainer	X	X	X	X	Modification required: 1. AE 2. Vibration Adsorber
H-60 Landing Gear Trainer	X	X	X	X	New manufacture / or modification: TBD
H-60 Main Rotor Blade / BIM Service Trainer	X	X	X	X	No modification required
H-60 RAST/Tail Wheel/Hoist Trainer	X	X	X	X	Modification required
H-60 Starboard Engine Trainer	X	X	X	X	No modification required
MH-60S Armament Trainer	X	X	X	X	New manufacture / or modification: TBD
MH-60S Avionics Maintenance Trainer (AMT)	X	X	X	X	New manufacture / or modification: TBD

L. GOVERNMENT-FURNISHED EQUIPMENT AND CONTRACTOR-FURNISHED EQUIPMENT TRAINING REQUIREMENTS. No information available at this time.

M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS

DOCUMENT OR NTSP TITLE	DOCUMENT OR NTSP NUMBER	PDA CODE	STATUS
Acquisition Logistics Support Plan (ALSP) CH-60S Vertical Replenishment Helicopter	NA	PMA299	Revision Dec 00

DOCUMENT OR NTSP TITLE	DOCUMENT OR NTSP NUMBER	PDA CODE	STATUS
AN/USM-636(V) Consolidated Automated Support System (CASS)	N88-NTSP-A-50-8515C/D	PMA260	Approved Jan 02
Aviation Maintenance Training Continuum System (AMTCS)	N88-NTSP-A-50-9907/D	PMA205	Draft Jun 01
Ground Proximity Warning System	N88-NTSP-A-50-8815B/A	PMA209	Approved Sep 98
H-60 Armed Helicopter Program (for HH-60H and selected SH-60Bs)	N88-NTSP-A-50-9805/D	PMA299	Approved Mar 02
Manpower Estimate Report for the USN MH-60S Fleet Combat Support Helicopter	NA	PMA299	Approved Apr 98 Preliminary MER April 2002 under review
Operational Requirements Document for a Fleet Combat Support (HC) Helicopter	Serial Number 484-88-98	CNO (N81)	Approved Apr 98
MH-60R Multi-Mission Helicopter Upgrade	N88-NTSP-A-50-9403/I	PMA299	Initial Nov 00

PART II - BILLET AND PERSONNEL REQUIREMENTS

The following elements are not affected by the MH-60S Multi-Mission Helicopter 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

Note: Plans for the anticipated far-reaching reorganization of Navy helicopter squadrons, with possible activity deactivations, have not been finalized and will be incorporated into future updates to this NTSP as the information becomes available.

While a new East Coast FRS squadron is to be located at NS Norfolk (designated here as HC-X), it is not certain if this will be a newly created activity or a conversion of an existing squadron (for example, HC-2). With the restructuring of Navy helicopter operational and supporting activities to be phased over the next several years, much of the data in this section is expected to change.

PART II - BILLET AND PERSONNEL REQUIREMENTS

II.A. BILLET REQUIREMENTS

SOURCE OF SCHEDULE: Total Force Manpower Management System **DATE:** January 2002

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

ACTIVITY, UIC		PFYs	CFY02	FY03	FY04	FY05	FY06
OPERATIONAL ACTIVITIES - USN							
HC-6 Sea	0381A	1	0	0	0	0	0
HC-6 Shore	31242	1	0	0	0	0	0
HC-8 Sea	55219	1	0	0	0	0	0
HC-8 Shore	55218	1	0	0	0	0	0
HC-X FRS (based on HC-3)	00000	0	0	0	0	1	0
HCS-4 Sea	47568	1	0	0	0	0	0
HCS-4 Shore	53811	1	0	0	0	0	0
HC-11 Sea	42300	1	0	0	0	0	0
HC-11 Shore	53920	1	0	0	0	0	0
HC-3 FRS	09822	1	0	0	0	0	0
HC-5 Sea	52961	1	0	0	0	0	0
HC-5 Shore	09823	1	0	0	0	0	0
HC-85 Reserves	09061	1	0	0	0	0	0
HCS-5 Sea	47409	1	0	0	0	0	0
HCS-5 Shore	53812	1	0	0	0	0	0
TOTAL:		14	0	0	0	1	0
FLEET SUPPORT ACTIVITIES - USN							
Helicopter Antisubmarine Wing	52956	1	0	0	0	0	0
Naval Rotary Wing Aircraft Test Squadron	39784	1	0	0	0	0	0
TOTAL:		2	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 - USN					
HC-6 Sea, 0381A					
ACDU	56	0	1311		
	3	0	6330		
	3	0	7340		
	0	8	AD1	8378	
	0	3	AD1	8379	
	0	5	AD2	8378	
	0	3	AD2	8379	
	0	3	AD3	8379	
	0	5	AD3	8878	
	0	3	ADAN	8379	
	0	5	ADAN	8878	
	0	1	AE1	8379	
	0	5	AE2	8378	8379
	0	3	AE2	8379	
	0	3	AEAN	8379	
	0	5	AEAN	8878	
	0	8	AK2		
	0	8	AM1	8378	8379
	0	3	AM1	8379	
	0	2	AM1	8379	9595
	0	2	AM2	7225	8378
	0	2	AM2	7225	8379
	0	5	AM2	8378	
	0	3	AM2	8379	
	0	1	AM3	7225	8379
	0	3	AM3	7225	8878
	0	2	AM3	8379	
	0	4	AM3	8878	
	0	3	AMAN	8379	
	0	5	AMAN	8878	
	0	5	APO1	8205	8215
	0	3	APO1	8216	8215
	0	8	APO1	8378	8800
	0	13	APO2	8205	8215
	0	7	APO2	8216	8215
	0	14	APO3	8205	8215
	0	8	APO3	8216	8215
	0	4	APOAN	8205	
	0	2	APOAN	8216	
	0	1	AT1	8379	
	0	5	AT2	8378	
	0	3	AT2	8379	
	0	6	AZ2		
	0	2	PR2		
	0	4	PR3		

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	14	AN		
HC-6 Sea, 0381A, FY02 Increment					
ACDU	0	3	AD1	8378	
	0	3	AD2	8378	
	0	3	AD3	8878	
	0	3	ADAN	8878	
	0	3	AE2	8378	8379
	0	3	AEAN	8878	
	0	3	AM1	8378	8379
	0	2	AM1	8378	9595
	0	2	AM2	7225	8378
	0	3	AM2	7225	8379
	0	8	AM2	8378	
	0	1	AM3	7225	8878
	0	2	AM3	8878	
	0	3	AMAN	8878	
	0	3	APO1	8205	8215
	0	7	APO2	8205	8215
	0	8	APO3	8205	8215
	0	2	APOAN	8205	
	0	1	AT1	8378	
	0	3	AT2	8378	
HC-6 Sea, 0381A, FY06 Increment					
ACDU	1	0	1311		
ACTIVITY TOTAL:	63	268			
HC-6 Shore, 31242					
ACDU	2	0	1312		
	2	0	1520		
	1	0	2102		
	1	0	7380		
	0	1	AD1	8303	
	0	1	AM1	8303	
	0	1	APOCM	8300	
	0	2	APOCS	8800	
	0	1	APOC	8216	8215
	0	1	APO1		9502
	0	1	APO1		9590
	0	1	APO1		9595
	0	6	APO2		
	0	1	AT1	8303	
	0	1	AZ1		
	0	1	AZ1	6315	
	0	3	AZ2		
	0	1	IT2	2780	

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	IT3	2735	
	0	1	NC1		
	0	1	POCM		9580
	0	4	PO2		
	0	1	PO3		
	0	2	PR1		
	0	1	YNC		
	0	1	YN1		
	0	1	YN2		
	0	1	YN3		
	0	3	YNSN		
	0	20	AN		
HC-6 Shore, 31242, FY02 Increment					
ACDU	0	1	AT1	8389	
HC-6 Shore, 31242, FY04 Increment					
ACDU	0	1	AT1	8378	
ACTIVITY TOTAL:	6	61			
HC-8 Sea, 55219					
ACDU	56	0	1311		
	3	0	6330		
	3	0	7340		
	0	11	AD1	8379	
	0	8	AD2	8379	
	0	8	AD3	8379	
	0	8	ADAN	8379	
	0	1	AE1	8379	
	0	8	AE2	8379	
	0	8	AEAN	8379	
	0	8	AK2		
	0	9	AM1	8379	
	0	2	AM1	8379	9595
	0	3	AM2	7225	8379
	0	8	AM2	8379	
	0	5	AM3	7225	8379
	0	6	AM3	8379	
	0	8	AMAN	8379	
	0	8	APO1	8216	8215
	0	8	APO1	8378	8800
	0	20	APO2	8216	8215
	0	22	APO3	8216	8215
	0	6	APOAN	8216	
	0	1	AT1	8379	
	0	8	AT2	8379	
	0	8	AT2	8389	

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	6	AZ2		
	0	2	PR2		
	0	4	PR3		
	0	14	AN		
HC-8 Sea, 55219, FY03 Increment					
ACDU	0	11	AD1	8378	
	0	8	AD2	8378	
	0	8	AD3	8878	
	0	8	ADAN	8878	
	0	1	AE1	8378	
	0	8	AE2	8378	8379
	0	8	AEAN	8878	
	0	9	AM1	8378	8379
	0	2	AM1	8378	9595
	0	3	AM2	7225	8378
	0	8	AM2	8378	
	0	5	AM3	7225	8878
	0	6	AM3	8878	
	0	8	AMAN	8878	
	0	8	APO1	8205	
	0	22	APO2	8205	
	0	22	APO3	8205	
	0	7	APOAN	8205	
	0	1	AT1	8389	
ACTIVITY TOTAL:	62	361			
HC-8 Shore, 55218					
ACDU	3	0	1312		
	2	0	1520		
	1	0	2102		
	0	1	AD1	8303	
	0	1	AM1	8303	
	0	1	APOCM	8300	
	0	2	APOCS	8800	
	0	1	APOC	8216	8215
	0	1	APOC	8379	9502
	0	1	APO1	8301	
	0	1	APO1	8378	9502
	0	1	APO1		9502
	0	1	APO1		9595
	0	7	APO2		
	0	1	APO2	8216	9502
	0	1	APO2	8303	9502
	0	1	APO2	8379	9502
	0	1	AT1	8303	
	0	1	AZ1		

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	AZ1	6315	
	0	3	AZ2		
	0	1	DP3	2306	
	0	1	IT2	2780	
	0	1	IT3	2735	
	0	1	NC1		
	0	1	POCM		9580
	0	4	PO2		
	0	1	PO3		
	0	2	PR1		
	0	1	SKCS		
	0	1	YNC		
	0	1	YN1		
	0	1	YN2		
	0	1	YN3		
	0	4	YNSN		
	0	20	AN		
HC-8 Shore, 55218, FY03 Increment					
ACDU	1	0	1312		
	0	1	APOC	8378	9502
	0	1	APO1	8205	9502
	0	2	APO2	8378	9502
	0	1	AN		
ACTIVITY TOTAL:	7	73			
HC-X FRS (based on HC-3), 00000, FY05 Increment					
ACDU	1	0	1110		
	50	0	1312		
	1	0	1520		
	1	0	2102		
	1	0	3100		
	1	0	6330		
	1	0	6410		
	1	0	7340		
	0	1	ABH2		9502
	0	2	ADC	8378	9502
	0	9	AD1	8378	
	0	9	AD2	8378	
	0	14	AD3	8878	
	0	19	ADAN	8878	
	0	1	AEC	8389	
	0	6	AE1	8378	
	0	7	AE2	8378	8379
	0	10	AE3	8808	
	0	12	AEAN	8878	
	0	1	AK1		

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	AK2		
	0	2	AK3		
	0	2	AKAN		
	0	3	AMC	8378	
	0	9	AM1	8378	8379
	0	9	AM2	8378	
	0	14	AM3	8878	
	0	24	AMAN	8878	
	0	1	AO2	8378	0812
	0	1	AO3		
	0	1	APOCM	8300	
	0	1	APOCS	8205	8215
	0	2	APOCS	8215	
	0	1	APOCS	8215	9502
	0	7	APOCS	8800	
	0	1	APOC	8205	
	0	1	APOC	8205	8215
	0	1	APOC	8205	9502
	0	1	APOC	8215	
	0	2	APOC	8215	9502
	0	1	APO1	8205	
	0	2	APO1	8205	8215
	0	4	APO1	8205	9502
	0	3	APO1	8215	9502
	0	1	APO1	8301	
	0	5	APO1	8378	8800
	0	2	APO1	8378	9502
	0	8	APO1		9502
	0	1	APO1		9595
	0	7	APO2		
	0	3	APO2	8205	
	0	1	APO2	8205	8215
	0	10	APO2	8205	9502
	0	4	APO2	8215	9502
	0	1	APO2	8378	9502
	0	1	APO2		9590
	0	4	APO3		
	0	4	APO3	8205	
	0	1	ATC	8389	
	0	4	AT1	8389	
	0	5	AT2	8389	
	0	6	AT3	8808	
	0	7	ATAN	8808	
	0	2	AWC	7815	
	0	1	AW1	7815	9502
	0	1	AZC		
	0	1	AZ1		
	0	1	AZ1	6315	

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	AZ2		
	0	2	AZ3		
	0	3	AZAN		
	0	1	DM3		
	0	2	HMC	8401	
	0	1	HM2	8401	
	0	1	HM2	8401	9502
	0	2	IT2	2780	
	0	1	IT3		
	0	1	IT3	2735	
	0	1	NC1		
	0	1	POCM		9580
	0	1	POC	170	
	0	1	PO1	170	
	0	5	PO2		
	0	1	PO3		
	0	2	PR1		
	0	1	PR1		9502
	0	3	PR2		
	0	2	PR3		
	0	3	PRAN		
	0	1	YNC		
	0	2	YN1		
	0	4	YN2		
	0	3	YN3		
	0	5	YNSN		
	0	44	AN		
ACTIVITY TOTAL:	57	364			
HCS-4 Sea, 47568					
TAR	8	0	1311		
	0	2	AD1	8378	
	0	1	AD2	8378	
	0	1	AD3	8878	
	0	1	AE1	8378	
	0	1	AE3	8878	
	0	2	AEAN	8878	
	0	2	AK2		
	0	1	AM1	8378	
	0	1	AM2	8378	
	0	1	AM3	8878	
	0	2	AMAN	8878	
	0	1	AO2	8378	
	0	1	AO2	8378	0812
	0	1	APOC	8211	
	0	4	APOC		8800
	0	2	APO1	8215	

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	4	APO2		
	0	3	APO2	8211	
	0	7	APO2	8215	
	0	5	APO3	8211	
	0	3	APO3	8215	
	0	3	APOAN	8211	
	0	2	AT1	8378	
	0	1	AT2	8378	
	0	1	AT3	8878	
	0	1	ATAN	8878	
	0	2	AZ2		
	0	1	HM2	8401	
	0	1	MS2		
	0	2	PR2		
	0	3	AN		
SELRES	22	0	1311		
	2	0	6330		
	2	0	6380		
	0	1	AD2	8378	
	0	1	AD3	8878	
	0	2	ADAN	8878	
	0	1	AE1	8378	
	0	2	AE2	8378	
	0	1	AE3	8878	
	0	2	AK2		
	0	1	AM1	8378	
	0	1	AM2	8378	
	0	1	AM3	8878	
	0	2	AO2	8378	
	0	4	AOAN	8378	
	0	1	APOC	8211	
	0	1	APO1	8211	
	0	1	APO1	8215	
	0	4	APO2		
	0	5	APO2	8211	
	0	2	APO2	8215	
	0	12	APO3	8211	
	0	5	APOAN	8211	
	0	1	AT2	8378	
	0	1	AT3	8878	
	0	1	ATAN	8878	
	0	2	AZ2		
	0	3	HM2	8401	
	0	3	MS2		
	0	2	PR2		
	0	21	AN		

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
ACTIVITY TOTAL:	34	147			
HCS-4 Shore, 53811					
ACDU	1	0	7340		
TAR	1	0	1520		
	0	1	AD1	8378	
	0	1	AD2	6426	
	0	1	AE1	8378	
	0	1	AE2	7144	7105
	0	3	AK2		
	0	1	AK2		9590
	0	2	AM1	8378	8379
	0	1	AM1	8378	9595
	0	1	AM2	7232	
	0	1	AM3	7212	
	0	1	AO1	8378	0812
	0	1	APOCM	8300	
	0	1	APOCS		
	0	1	APOCS	8800	
	0	1	APOC		8800
	0	1	APO1	8215	
	0	1	APO1		9502
	0	1	APO2		
	0	1	AT2	6611	6609
	0	1	AT2	6688	
	0	1	AT3	6605	6612
	0	1	AT3	6634	6613
	0	1	ATAN	6606	
	0	1	AZ1	6315	
	0	3	AZ2		
	0	1	IT3	2735	
	0	1	PN1		
	0	1	PN2		
	0	1	PN3		
	0	1	PNSN		
	0	1	PR2		
	0	1	PR3		
	0	1	YNC		
	0	1	YN1		9588
	0	1	YN2		
	0	1	YN3		
	0	1	YNSN		
SELRES	2	0	1311		
	1	0	1630		
	1	0	2102		
	1	0	6330		

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	1	AKAN		
	0	2	APOCS		
	0	2	APOCS	8800	
	0	1	APO1	8211	
	0	1	APO1		9502
	0	1	APO1		9595
	0	4	APO2		
	0	1	APO3		
	0	1	AT1	8378	
	0	2	DK2		
	0	1	DK3		
	0	1	PN2		
	0	1	PN3		
	0	1	YN2		
	0	1	YN3		
	0	1	YNSN		
	0	8	AN		
ACTIVITY TOTAL:	7	72			
HC-11 Sea, 42300					
ACDU	72	0	1311		
	4	0	6330		
	5	0	7340		
	0	9	AD1	8379	
	0	9	AD2	8379	
	0	9	AD3	8379	
	0	9	ADAN	8379	
	0	9	AE2	8379	
	0	9	AEAN	8379	
	0	9	AK2		
	0	2	AM1	7225	8379
	0	7	AM1	8379	
	0	3	AM2	7225	8379
	0	9	AM2	8379	
	0	4	AM3	7225	8379
	0	11	AM3	8379	
	0	9	AMAN	8379	
	0	9	APOC	8378	8800
	0	9	APO1	8216	8215
	0	9	APO1	8378	8800
	0	27	APO2	8216	8215
	0	27	APO3	8216	8215
	0	9	APOAN	8216	
	0	9	AT2	8379	
	0	9	AZ2		
	0	3	PR2		
	0	3	PR3		

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	3	PRAN		
	0	18	AN		
ACTIVITY TOTAL:	81	243			
HC-11 Shore, 53920					
ACDU	2	0	1312		
	1	0	1520		
	1	0	2102		
	1	0	6330		
	1	0	7340		
	0	1	AD1	8379	
	0	1	AEC	8379	
	0	1	AK1		
	0	3	AM1	8379	
	0	1	AM1	8379	9595
	0	1	APOCM	8300	
	0	2	APOCS	8800	
	0	1	APO1		9502
	0	1	APO1		9590
	0	1	APO1		9595
	0	5	APO2		
	0	1	AT1	8379	
	0	1	AZ1		
	0	1	AZ1	6315	
	0	3	AZ2		
	0	1	AZAN		
	0	1	IT2	2780	
	0	1	IT3	2735	
	0	1	NC1		
	0	1	POCM		9580
	0	5	PO2		
	0	3	PO3		
	0	1	PR1		
	0	1	YNC		
	0	1	YN1		
	0	2	YN2		
	0	1	YN3		
	0	4	YNSN		
	0	20	AN		
ACTIVITY TOTAL:	6	67			
HC-3 FRS, 09822					
ACDU	1	0	1110		
	50	0	1312		
	1	0	1520		
	1	0	2102		

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	1	0	3100		
	1	0	6330		
	1	0	6410		
	1	0	7340		
	0	1	ABH2		9502
	0	2	ADC	8378	9502
	0	9	AD1	8378	
	0	9	AD2	8378	
	0	14	AD3	8878	
	0	19	ADAN	8878	
	0	1	AEC	8389	
	0	6	AE1	8378	
	0	7	AE2	8378	8379
	0	10	AE3	8808	
	0	12	AEAN	8878	
	0	1	AK1		
	0	1	AK2		
	0	2	AK3		
	0	2	AKAN		
	0	3	AMC	8378	
	0	9	AM1	8378	8379
	0	9	AM2	8378	
	0	14	AM3	8878	
	0	24	AMAN	8878	
	0	1	AO2	8378	0812
	0	1	AO3		
	0	1	APOCM	8300	
	0	1	APOCS	8205	8215
	0	2	APOCS	8215	
	0	1	APOCS	8215	9502
	0	7	APOCS	8800	
	0	1	APOC	8205	
	0	1	APOC	8205	8215
	0	1	APOC	8205	9502
	0	1	APOC	8215	
	0	2	APOC	8215	9502
	0	1	APOC	8216	
	0	2	APOC	8216	8215
	0	1	APOC	8216	9502
	0	1	APO1	8205	
	0	2	APO1	8205	8215
	0	4	APO1	8205	9502
	0	3	APO1	8215	9502
	0	2	APO1	8216	8215
	0	1	APO1	8301	
	0	5	APO1	8378	8800
	0	2	APO1	8378	9502
	0	8	APO1		9502

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	APO1		9595
	0	7	APO2		
	0	3	APO2	8205	
	0	1	APO2	8205	8215
	0	10	APO2	8205	9502
	0	4	APO2	8215	9502
	0	3	APO2	8216	8215
	0	1	APO2	8378	9502
	0	1	APO2		9590
	0	4	APO3		
	0	4	APO3	8205	
	0	2	APO3	8216	8215
	0	2	APOAN	8216	
	0	1	ATC	8389	
	0	4	AT1	8389	
	0	5	AT2	8389	
	0	6	AT3	8808	
	0	7	ATAN	8808	
	0	2	AWC	7815	
	0	1	AW1	7815	9502
	0	1	AZC		
	0	1	AZ1		
	0	1	AZ1	6315	
	0	4	AZ2		
	0	2	AZ3		
	0	3	AZAN		
	0	1	DM3		
	0	2	HMC	8401	
	0	1	HM2	8401	
	0	1	HM2	8401	9502
	0	2	IT2	2780	
	0	1	IT3		
	0	1	IT3	2735	
	0	1	NC1		
	0	1	POCM		9580
	0	1	POC	170	
	0	1	PO1	170	
	0	5	PO2		
	0	1	PO3		
	0	2	PR1		
	0	1	PR1		9502
	0	3	PR2		
	0	2	PR3		
	0	3	PRAN		
	0	1	YNC		
	0	2	YN1		
	0	4	YN2		
	0	3	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
ACDU	0	5	YNSN		
	0	44	AN		
ACTIVITY TOTAL:	57	377			
HC-5 Sea, 52961					
ACDU	66	0	1311		
	9	0	7340		
	0	7	AD1	8378	
	0	6	AD1	8379	
	0	5	AD2	8378	
	0	6	AD2	8379	
	0	5	AD3	8379	
	0	7	AD3	8878	
	0	8	ADAN	8379	
	0	7	ADAN	8878	
	0	1	AE1	8378	
	0	5	AE1	8379	
	0	5	AE2	8378	8379
	0	2	AE2	8379	
	0	4	AE3	8879	
	0	3	AEAN	8379	
	0	7	AEAN	8878	
	0	1	AK1		
	0	8	AK2		
	0	3	AK3		
	0	2	AM1	7225	8379
	0	5	AM1	8378	8379
	0	2	AM1	8378	9595
	0	4	AM1	8379	
	0	1	AM1	8379	9595
	0	4	AM2	7225	8379
	0	6	AM2	8378	
	0	8	AM2	8379	
	0	6	AM3	7225	8379
	0	4	AM3	8379	
	0	5	AM3	8878	
	0	10	AMAN	8379	
	0	7	AMAN	8878	
	0	1	APOCS	8216	8215
	0	3	APOC	8205	8215
	0	1	APOC	8216	
	0	2	APO1	8205	
	0	4	APO1	8205	8215
	0	1	APO1	8216	
	0	6	APO1	8216	8215
	0	12	APO1	8378	8800
	0	1	APO1		9502

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	3	APO2	8205	
	0	10	APO2	8205	8215
	0	2	APO2	8216	
	0	15	APO2	8216	8215
	0	1	APO3		
	0	1	APO3	8202	8215
	0	3	APO3	8205	
	0	17	APO3	8205	8215
	0	3	APO3	8216	
	0	20	APO3	8216	8215
	0	4	APOAN	8205	
	0	3	AT1	8379	
	0	5	AT2	8378	
	0	2	AT2	8379	
	0	2	AT3	8379	
	0	2	ATAN	8379	
	0	1	AZ1		
	0	8	AZ2		
	0	3	AZ3		
	0	1	PR1		
	0	8	PR2		
	0	1	PR3		
	0	3	PRAN		
	0	22	AN		
ACTIVITY TOTAL:	75	325			
HC-5 Shore, 09823					
ACDU	2	0	1312		
	1	0	2102		
	1	0	6330		
	1	0	6380		
	0	1	AKC		
	0	1	AK1		
	0	1	AK3		
	0	1	AO2	8378	0812
	0	1	APOCM	8300	
	0	1	APOCM		9580
	0	2	APOCS	8800	
	0	1	APO1	8301	
	0	1	APO1		9502
	0	1	APO1		9595
	0	5	APO2		
	0	1	APO2		9590
	0	1	AZC		
	0	1	AZ1	6315	
	0	3	AZ2		
	0	1	AZAN		

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	ET1	1647	
	0	1	HM2	8406	
	0	1	HM3	8406	
	0	1	IT2	2735	
	0	2	IT2	2780	
	0	1	LN2		
	0	1	MS1		
	0	1	NC1		
	0	4	PO2		
	0	3	PO3		
	0	1	PR1		
	0	1	YNC		
	0	1	YN1		
	0	2	YN2		
	0	1	YN3		
	0	5	YNSN		
	0	1	SN		
	0	28	AN		
HC-5 Shore, 09823, FY02 Increment					
ACDU	2	0	1302		
	2	0	1312		
	1	0	1520		
	1	0	7340		
	0	1	AK2		9590
	0	1	DP3	2306	
	0	1	PO1		
	0	1	YN3		
ACTIVITY TOTAL:	11	83			
HC-85 Reserves, 09061					
ACDU	1	0	6330		
TAR	8	0	1311		
	1	0	1520		
	0	2	AD1	8377	
	0	5	AD2	8377	
	0	4	AD3		
	0	1	AD3	6419	
	0	4	ADAN		
	0	2	AE1	8377	
	0	2	AE2	8377	
	0	4	AE3		
	0	1	AE3	7144	
	0	1	AEAN		
	0	1	AK1		
	0	1	AK2		

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	AK2		9590
	0	2	AM1	8377	
	0	1	AM1	8377	9595
	0	7	AM2	8377	
	0	5	AM3		
	0	1	AM3	7212	
	0	1	AM3	7232	
	0	5	AMAN		
	0	1	AO2		
	0	1	APOCS		
	0	2	APOCS	8800	
	0	3	APOC		
	0	4	APOC	8378	8800
	0	4	APO1	8211	8215
	0	7	APO1	8378	8800
	0	2	APO1		9502
	0	1	APO1		9595
	0	3	APO2		
	0	4	APO2	8211	8215
	0	1	APO3		
	0	4	APO3	8211	8215
	0	4	APOAN	8211	
	0	2	AT1	8377	
	0	1	AT2	6611	6613
	0	3	AT2	8377	
	0	1	AT3		
	0	1	AT3	6606	
	0	1	ATAN		
	0	1	AZ1		
	0	1	AZ1	6315	
	0	2	AZ2		
	0	1	AZ3		
	0	1	IT3	2735	
	0	1	NC1		
	0	1	PN1		
	0	2	PN2		
	0	1	PN3		
	0	1	POCM		9580
	0	1	PO2		
	0	1	PR1		
	0	1	PR2		
	0	1	PR3		
	0	2	PRAN		
	0	1	YNC		
	0	1	YN3		
	0	5	AN		
SELRES	24	0	1311		

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	1	0	2102		
	0	3	AD1	8377	
	0	4	AD3		
	0	4	ADAN		
	0	1	ADAN	6419	
	0	3	AE1	8377	
	0	2	AE2	8377	
	0	1	AE3		
	0	4	AEAN		
	0	1	AKC		
	0	1	AK3		
	0	1	AKAN		
	0	1	AMCS	8377	
	0	1	AMC	8377	
	0	4	AM1	8377	
	0	1	AM2	8377	
	0	5	AM3		
	0	5	AMAN		
	0	1	APOCM	8300	
	0	1	APO1		9502
	0	4	APO2		
	0	8	APO2	8211	8215
	0	4	APO3	8211	8215
	0	4	APOAN	8211	
	0	1	AT2	8377	
	0	3	AT3		
	0	3	ATAN		
	0	3	AZ3		
	0	1	AZAN		
	0	2	DK2		
	0	2	PO2		
	0	1	PO3		
	0	1	YN2		
	0	1	YNSN		
	0	27	AN		
ACTIVITY TOTAL:	35	235			
HCS-5 Sea, 47409					
TAR	8	0	1311		
	0	2	AD1	8378	
	0	1	AD2	8378	
	0	1	AD3	8878	
	0	1	AE1	8378	
	0	1	AE3	8878	
	0	2	AEAN	8878	
	0	2	AK2		
	0	1	AM1	8378	8379

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	AM2	8378	
	0	1	AM3	8878	
	0	1	AMAN	8878	
	0	1	AO1	8378	0812
	0	1	AO2	8378	
	0	1	APOC	8211	
	0	4	APOC		8800
	0	2	APO1	8215	
	0	4	APO2		
	0	3	APO2	8211	
	0	7	APO2	8215	
	0	5	APO3	8211	
	0	3	APO3	8215	
	0	3	APOAN	8211	
	0	2	AT1	8378	
	0	1	AT2	8378	
	0	1	AT3	8878	
	0	1	ATAN	8878	
	0	2	AZ2		
	0	1	HM2	8401	
	0	1	MS2		
	0	2	PR2		
	0	3	AN		
SELRES	22	0	1311		
	2	0	6330		
	2	0	6380		
	0	1	AD2	8378	
	0	1	AD3	8878	
	0	2	ADAN	8878	
	0	1	AE1	8378	
	0	2	AE2	8378	8379
	0	1	AE3	8878	
	0	2	AK2		
	0	1	AM1	8378	8379
	0	1	AM2	8378	
	0	1	AM3	8878	
	0	1	AMAN	8878	
	0	2	AO2	8378	
	0	4	AOAN	8378	
	0	1	APOC	8211	
	0	1	APO1	8211	
	0	1	APO1	8215	
	0	4	APO2		
	0	5	APO2	8211	
	0	2	APO2	8215	
	0	12	APO3	8211	
	0	5	APOAN	8211	

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	1	AT2	8378	
	0	1	AT3	8878	
	0	1	ATAN	8878	
	0	2	AZ2		
	0	3	HM2	8401	
	0	3	MS2		
	0	2	PR2		
	0	21	AN		
ACTIVITY TOTAL:	34	147			
HCS-5 Shore, 53812					
ACDU	1	0	7340		
TAR	1	0	1520		
	0	1	AD1	8378	
	0	1	AD2	6426	
	0	1	AE1	8378	
	0	1	AE2	7144	7105
	0	3	AK2		
	0	1	AK2		9590
	0	2	AM1	8378	8379
	0	1	AM1	8378	9595
	0	1	AM2	7232	
	0	1	AM3	7212	
	0	1	AO1	8378	0812
	0	1	APOCM	8300	
	0	1	APOCS		
	0	1	APOCS	8800	
	0	1	APOC		8800
	0	1	APO1	8215	
	0	1	APO1		9502
	0	1	APO2		
	0	1	AT2	6611	6609
	0	1	AT2	6688	
	0	1	AT3	6634	6613
	0	1	ATAN	6606	
	0	1	AZ1		
	0	3	AZ2		
	0	1	IT3	2735	
	0	1	PN1		
	0	1	PN2		
	0	1	PN3		
	0	1	PR2		
	0	1	PR3		
	0	1	YNC		
	0	1	YN3		
	0	1	YNSN		

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	2	0	1311		
	1	0	1630		
	1	0	2102		
	1	0	6330		
	0	1	AKAN		
	0	2	APOCS		
	0	1	APO1	8211	
	0	1	APO1		9502
	0	1	APO1		9595
	0	4	APO2		
	0	1	APO3		
	0	1	AT1	6611	6609
	0	1	AT1	8378	
	0	1	AT2	6688	
	0	1	AT3	6605	6612
	0	2	DK2		
	0	1	DK3		
	0	1	PN2		
	0	1	PN3		
	0	1	PNSN		
	0	1	YN2		
	0	1	YN3		
	0	1	YNSN		
	0	8	AN		
ACTIVITY TOTAL:	7	70			
FLEET SUPPORT ACTIVITIES - USN					
Helicopter Antisubmarine Wing, 52956					
ACDU	1	0	1000		
	1	0	1302		
	3	0	1312		
	1	0	2302		
	1	0	3100		
	1	0	6330		
	1	0	6380		
	0	1	ADC	8378	
	0	1	AD1	8378	8377
	0	1	AEC	8378	9502
	0	1	AE1	8389	9502
	0	1	AFCM	8300	
	0	1	AKC		
	0	1	AK1		
	0	1	AMCS		
	0	1	AM1	8378	9502
	0	1	AOC	8378	9502

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	APOCM		9580
	0	1	ATCS		
	0	1	ATC	8389	9502
	0	1	AWCS	7876	7815
	0	1	AW1	7873	
	0	1	AW2	7873	
	0	1	AZC		
	0	1	AZ1		
	0	1	AZ3		
	0	1	IT2	2750	2735
	0	1	NCC		
	0	1	PRC		
	0	1	YNC		
	0	1	YN2		
	0	1	YN3		
SELRES	1	0	1312		
	1	0	1630		
	1	0	3100		
	1	0	6330		
	1	0	6360		
	0	1	ADC	8377	
	0	1	AEC	8379	
	0	1	AK1		
	0	1	AK2		
	0	1	AMCS		
	0	1	AMC	8377	
	0	1	AO1		
	0	1	ATC	8376	
	0	1	AWCS	7872	
	0	1	AWC	7873	
	0	1	AW1		
	0	1	AW2	7873	
	0	1	AZ1		
ACTIVITY TOTAL:	14	38			
Naval Rotary Wing Aircraft Test Squadron, 39784					
ACDU	1	0	1110		
	1	0	1302		
	22	0	1312		
	1	0	1322		
	1	0	1512		
	1	0	6330		
	1	0	7180		
	0	1	ADCS		9502
	0	1	ADC		
	0	1	ADC	8378	

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	AD1	8378	
	0	1	AD1	8378	8370
	0	1	AD1	8378	8377
	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	8377
	0	1	AEC	8379	
	0	1	AE1	8377	
	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	AM1		
	0	1	AM1	8377	
	0	2	AM1	8378	8379
	0	1	AM2	8216	
	0	1	AM2	8378	
	0	6	AM3	8878	
	0	5	AMAN	8878	
	0	1	AO2	8378	
	0	1	ATCS		
	0	2	ATC	8376	
	0	1	AT1	8376	8377
	0	1	AT1	8378	9502
	0	2	AT2	8376	
	0	4	AT3	8876	
	0	4	ATAN	8876	
	0	1	AWC	7873	
	0	1	AW1	7873	
	0	1	AW1	7876	
	0	6	AW2	7873	
	0	6	AW2	7876	
	0	1	AZ2		
	0	1	AZ2	6303	
	0	1	AZAN		
ACTIVITY TOTAL:	28	77			

The PSQMD for HC-85 does not differentiate the billets between TAR and SELRES. Therefore, all new billets are depicted as TAR until the squadron's AMD is updated for the MH-60S and shows the billet status.

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS		PFYs OFF	PFYs ENL	CFY02 OFF	CFY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL	FY06 OFF	FY06 ENL
USN OPERATIONAL ACTIVITIES - ACDU														
1110			1		0		0		0		1		0	
1302			0		2		0		0		0		0	
1311			250		0		0		0		0		1	
1312			59		2		1		0		50		0	
1520			6		1		0		0		1		0	
2102			5		0		0		0		1		0	
3100			1		0		0		0		1		0	
6330			14		0		0		0		1		0	
6380			1		0		0		0		0		0	
6410			1		0		0		0		1		0	
7340			24		1		0		0		1		0	
7380			1		0		0		0		0		0	
ABH2		9502	1		0		0		0		1		0	
ADC	8378	9502	2		0		0		0		2		0	
AD1	8303		2		0		0		0		0		0	
AD1	8378		24		3		11		0		9		0	
AD1	8379		30		0		0		0		0		0	
AD2	8378		19		3		8		0		9		0	
AD2	8379		26		0		0		0		0		0	
AD3	8379		25		0		0		0		0		0	
AD3	8878		26		3		8		0		14		0	
ADAN	8379		28		0		0		0		0		0	
ADAN	8878		31		3		8		0		19		0	
AEC	8379		1		0		0		0		0		0	
AEC	8389		1		0		0		0		1		0	
AE1	8378		7		0		1		0		6		0	
AE1	8379		7		0		0		0		0		0	
AE2	8378	8379	17		3		8		0		7		0	
AE2	8379		22		0		0		0		0		0	
AE3	8808		10		0		0		0		10		0	
AE3	8879		4		0		0		0		0		0	
AEAN	8379		23		0		0		0		0		0	
AEAN	8878		24		3		8		0		12		0	
AKC			1		0		0		0		0		0	
AK1			4		0		0		0		1		0	
AK2			34		0		0		0		1		0	
AK2		9590	0		1		0		0		0		0	
AK3			6		0		0		0		2		0	
AKAN			2		0		0		0		2		0	
AMC	8378		3		0		0		0		3		0	
AM1	7225	8379	4		0		0		0		0		0	
AM1	8303		2		0		0		0		0		0	
AM1	8378	8379	22		3		9		0		9		0	
AM1	8378	9595	2		2		2		0		0		0	
AM1	8379		26		0		0		0		0		0	

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

DESIG/	PNEC/SNEC		PFYs		CFY02		FY03		FY04		FY05		FY06	
RATING	PMOS/SMOS		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
AM1	8379	9595		6		0		0		0		0		0
AM2	7225	8378		2		2		3		0		0		0
AM2	7225	8379		12		3		0		0		0		0
AM2	8378			20		8		8		0		9		0
AM2	8379			28		0		0		0		0		0
AM3	7225	8379		16		0		0		0		0		0
AM3	7225	8878		3		1		5		0		0		0
AM3	8379			23		0		0		0		0		0
AM3	8878			23		2		6		0		14		0
AMAN	8379			30		0		0		0		0		0
AMAN	8878			36		3		8		0		24		0
AO2	8378	0812		2		0		0		0		1		0
AO3				1		0		0		0		1		0
APOCM		9580		1		0		0		0		0		0
APOCM	8300			5		0		0		0		1		0
APOCS	8205	8215		1		0		0		0		1		0
APOCS	8215			2		0		0		0		2		0
APOCS	8215	9502		1		0		0		0		1		0
APOCS	8216	8215		1		0		0		0		0		0
APOCS	8800			15		0		0		0		7		0
APOC	8205			1		0		0		0		1		0
APOC	8205	8215		4		0		0		0		1		0
APOC	8205	9502		1		0		0		0		1		0
APOC	8215			1		0		0		0		1		0
APOC	8215	9502		2		0		0		0		2		0
APOC	8216			2		0		0		0		1		0
APOC	8216	8215		4		0		0		0		2		0
APOC	8216	9502		1		0		0		0		1		0
APOC	8378	8800		9		0		0		0		0		0
APOC	8378	9502		0		0		1		0		0		0
APOC	8379	9502		1		0		0		0		0		0
APO1		9502		13		0		0		0		8		0
APO1		9590		2		0		0		0		0		0
APO1		9595		5		0		0		0		1		0
APO1	8205			3		0		8		0		1		0
APO1	8205	8215		11		3		0		0		2		0
APO1	8205	9502		4		0		1		0		4		0
APO1	8215	9502		3		0		0		0		3		0
APO1	8216			1		0		0		0		0		0
APO1	8216	8215		28		0		0		0		2		0
APO1	8301			3		0		0		0		1		0
APO1	8378	8800		42		0		0		0		5		0
APO1	8378	9502		3		0		0		0		2		0
APO2				30		0		0		0		7		0
APO2		9590		2		0		0		0		1		0
APO2	8205			6		0		22		0		3		0
APO2	8205	8215		24		7		0		0		1		0
APO2	8205	9502		10		0		0		0		10		0

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

DESIG/	PNEC/SNEC		PFYs		CFY02		FY03		FY04		FY05		FY06	
RATING	PMOS/SMOS		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
APO2	8215	9502		4		0		0		0		4		0
APO2	8216			2		0		0		0		0		0
APO2	8216	8215		72		0		0		0		3		0
APO2	8216	9502		1		0		0		0		0		0
APO2	8303	9502		1		0		0		0		0		0
APO2	8378	9502		1		0		2		0		1		0
APO2	8379	9502		1		0		0		0		0		0
APO3				5		0		0		0		4		0
APO3	8202	8215		1		0		0		0		0		0
APO3	8205			7		0		22		0		4		0
APO3	8205	8215		31		8		0		0		0		0
APO3	8216			3		0		0		0		0		0
APO3	8216	8215		79		0		0		0		2		0
APOAN	8205			8		2		7		0		0		0
APOAN	8216			19		0		0		0		2		0
ATC	8389			1		0		0		0		1		0
AT1	8303			2		0		0		0		0		0
AT1	8378			0		1		0		1		0		0
AT1	8379			6		0		0		0		0		0
AT1	8389			4		1		1		0		4		0
AT2	8378			10		3		0		0		0		0
AT2	8379			22		0		0		0		0		0
AT2	8389			13		0		0		0		5		0
AT3	8379			2		0		0		0		0		0
AT3	8808			6		0		0		0		6		0
ATAN	8379			2		0		0		0		0		0
ATAN	8808			7		0		0		0		7		0
AWC	7815			2		0		0		0		2		0
AW1	7815	9502		1		0		0		0		1		0
AZC				2		0		0		0		1		0
AZ1				5		0		0		0		1		0
AZ1	6315			5		0		0		0		1		0
AZ2				45		0		0		0		4		0
AZ3				5		0		0		0		2		0
AZAN				5		0		0		0		3		0
DM3				1		0		0		0		1		0
DP3	2306			1		1		0		0		0		0
ET1	1647			1		0		0		0		0		0
HMC	8401			2		0		0		0		2		0
HM2	8401			1		0		0		0		1		0
HM2	8401	9502		1		0		0		0		1		0
HM2	8406			1		0		0		0		0		0
HM3	8406			1		0		0		0		0		0
IT2	2735			1		0		0		0		0		0
IT2	2780			7		0		0		0		2		0
IT3				1		0		0		0		1		0
IT3	2735			4		0		0		0		1		0
LN2				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 OFF	PFYs ENL	CFY02 OFF	CFY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL	FY06 OFF	FY06 ENL
MS1				1		0		0		0		0		0
NC1				5		0		0		0		1		0
POCM		9580		4		0		0		0		1		0
POC	0170			1		0		0		0		1		0
PO1				0		1		0		0		0		0
PO1	0170			1		0		0		0		1		0
PO2				22		0		0		0		5		0
PO3				9		0		0		0		1		0
PR1				9		0		0		0		2		0
PR1		9502		1		0		0		0		1		0
PR2				18		0		0		0		3		0
PR3				14		0		0		0		2		0
PRAN				9		0		0		0		3		0
SKCS				1		0		0		0		0		0
YNC				5		0		0		0		1		0
YN1				6		0		0		0		2		0
YN2				10		0		0		0		4		0
YN3				7		1		0		0		3		0
YNSN				21		0		0		0		5		0
SN				1		0		0		0		0		0
AN				200		0		1		0		44		0
USN OPERATIONAL ACTIVITIES - TAR														
1311				24		0		0		0		0		0
1520				3		0		0		0		0		0
AD1	8377			2		0		0		0		0		0
AD1	8378			6		0		0		0		0		0
AD2	6426			2		0		0		0		0		0
AD2	8377			5		0		0		0		0		0
AD2	8378			2		0		0		0		0		0
AD3				4		0		0		0		0		0
AD3	6419			1		0		0		0		0		0
AD3	8878			2		0		0		0		0		0
ADAN				4		0		0		0		0		0
AE1	8377			2		0		0		0		0		0
AE1	8378			4		0		0		0		0		0
AE2	7144	7105		2		0		0		0		0		0
AE2	8377			2		0		0		0		0		0
AE3				4		0		0		0		0		0
AE3	7144			1		0		0		0		0		0
AE3	8878			2		0		0		0		0		0
AEAN				1		0		0		0		0		0
AEAN	8878			4		0		0		0		0		0
AK1				1		0		0		0		0		0
AK2				11		0		0		0		0		0
AK2		9590		3		0		0		0		0		0
AM1	8377			2		0		0		0		0		0
AM1	8377	9595		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 OFF	PFYs ENL	CFY02 OFF	CFY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL	FY06 OFF	FY06 ENL
AM1	8378			1		0		0		0		0		0
AM1	8378	8379		5		0		0		0		0		0
AM1	8378	9595		2		0		0		0		0		0
AM2	7232			2		0		0		0		0		0
AM2	8377			7		0		0		0		0		0
AM2	8378			2		0		0		0		0		0
AM3				5		0		0		0		0		0
AM3	7212			3		0		0		0		0		0
AM3	7232			1		0		0		0		0		0
AM3	8878			2		0		0		0		0		0
AMAN				5		0		0		0		0		0
AMAN	8878			3		0		0		0		0		0
AO1	8378	0812		3		0		0		0		0		0
AO2				1		0		0		0		0		0
AO2	8378			2		0		0		0		0		0
AO2	8378	0812		1		0		0		0		0		0
APOCM	8300			2		0		0		0		0		0
APOCS				3		0		0		0		0		0
APOCS	8800			4		0		0		0		0		0
APOC				3		0		0		0		0		0
APOC		8800		10		0		0		0		0		0
APOC	8211			2		0		0		0		0		0
APOC	8378	8800		4		0		0		0		0		0
APO1		9502		4		0		0		0		0		0
APO1		9595		1		0		0		0		0		0
APO1	8211	8215		4		0		0		0		0		0
APO1	8215			6		0		0		0		0		0
APO1	8378	8800		7		0		0		0		0		0
APO2				13		0		0		0		0		0
APO2	8211			6		0		0		0		0		0
APO2	8211	8215		4		0		0		0		0		0
APO2	8215			14		0		0		0		0		0
APO3				1		0		0		0		0		0
APO3	8211			10		0		0		0		0		0
APO3	8211	8215		4		0		0		0		0		0
APO3	8215			6		0		0		0		0		0
APOAN	8211			10		0		0		0		0		0
AT1	8377			2		0		0		0		0		0
AT1	8378			4		0		0		0		0		0
AT2	6611	6609		2		0		0		0		0		0
AT2	6611	6613		1		0		0		0		0		0
AT2	6688			2		0		0		0		0		0
AT2	8377			3		0		0		0		0		0
AT2	8378			2		0		0		0		0		0
AT3				1		0		0		0		0		0
AT3	6605	6612		1		0		0		0		0		0
AT3	6606			1		0		0		0		0		0
AT3	6634	6613		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 OFF	PFYs ENL	CFY02 OFF	CFY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL	FY06 OFF	FY06 ENL
AT3	8878		2		0		0		0		0		0
ATAN			1		0		0		0		0		0
ATAN	6606		2		0		0		0		0		0
ATAN	8878		2		0		0		0		0		0
AZ1			2		0		0		0		0		0
AZ1	6315		2		0		0		0		0		0
AZ2			12		0		0		0		0		0
AZ3			1		0		0		0		0		0
HM2	8401		2		0		0		0		0		0
IT3	2735		3		0		0		0		0		0
MS2			2		0		0		0		0		0
NC1			1		0		0		0		0		0
PN1			3		0		0		0		0		0
PN2			4		0		0		0		0		0
PN3			3		0		0		0		0		0
PNSN			1		0		0		0		0		0
POCM	9580		1		0		0		0		0		0
PO2			1		0		0		0		0		0
PR1			1		0		0		0		0		0
PR2			7		0		0		0		0		0
PR3			3		0		0		0		0		0
PRAN			2		0		0		0		0		0
YNC			3		0		0		0		0		0
YN1	9588		1		0		0		0		0		0
YN2			1		0		0		0		0		0
YN3			3		0		0		0		0		0
YNSN			2		0		0		0		0		0
AN			11		0		0		0		0		0
USN OPERATIONAL ACTIVITIES - SELRES													
1311			72		0		0		0		0		0
1630			2		0		0		0		0		0
2102			3		0		0		0		0		0
6330			6		0		0		0		0		0
6380			4		0		0		0		0		0
AD1	8377		3		0		0		0		0		0
AD2	8378		2		0		0		0		0		0
AD3			4		0		0		0		0		0
AD3	8878		2		0		0		0		0		0
ADAN			4		0		0		0		0		0
ADAN	6419		1		0		0		0		0		0
ADAN	8878		4		0		0		0		0		0
AE1	8377		3		0		0		0		0		0
AE1	8378		2		0		0		0		0		0
AE2	8377		2		0		0		0		0		0
AE2	8378		2		0		0		0		0		0
AE2	8378	8379	2		0		0		0		0		0
AE3			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 OFF	PFYs ENL	CFY02 OFF	CFY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL	FY06 OFF	FY06 ENL
AE3	8878			2		0		0		0		0		0
AEAN				4		0		0		0		0		0
AKC				1		0		0		0		0		0
AK2				4		0		0		0		0		0
AK3				1		0		0		0		0		0
AKAN				3		0		0		0		0		0
AMCS	8377			1		0		0		0		0		0
AMC	8377			1		0		0		0		0		0
AM1	8377			4		0		0		0		0		0
AM1	8378			1		0		0		0		0		0
AM1	8378	8379		1		0		0		0		0		0
AM2	8377			1		0		0		0		0		0
AM2	8378			2		0		0		0		0		0
AM3				5		0		0		0		0		0
AM3	8878			2		0		0		0		0		0
AMAN				5		0		0		0		0		0
AMAN	8878			1		0		0		0		0		0
AO2	8378			4		0		0		0		0		0
AOAN	8378			8		0		0		0		0		0
APOCM	8300			1		0		0		0		0		0
APOCS				4		0		0		0		0		0
APOCS	8800			2		0		0		0		0		0
APOC	8211			2		0		0		0		0		0
APO1		9502		3		0		0		0		0		0
APO1		9595		2		0		0		0		0		0
APO1	8211			4		0		0		0		0		0
APO1	8215			2		0		0		0		0		0
APO2				20		0		0		0		0		0
APO2	8211			10		0		0		0		0		0
APO2	8211	8215		8		0		0		0		0		0
APO2	8215			4		0		0		0		0		0
APO3				2		0		0		0		0		0
APO3	8211			24		0		0		0		0		0
APO3	8211	8215		4		0		0		0		0		0
APOAN	8211			14		0		0		0		0		0
AT1	6611	6609		1		0		0		0		0		0
AT1	8378			2		0		0		0		0		0
AT2	6688			1		0		0		0		0		0
AT2	8377			1		0		0		0		0		0
AT2	8378			2		0		0		0		0		0
AT3				3		0		0		0		0		0
AT3	6605	6612		1		0		0		0		0		0
AT3	8878			2		0		0		0		0		0
ATAN				3		0		0		0		0		0
ATAN	8878			2		0		0		0		0		0
AZ2				4		0		0		0		0		0
AZ3				3		0		0		0		0		0
AZAN				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 OFF	PFYs ENL	CFY02 OFF	CFY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL	FY06 OFF	FY06 ENL
DK2				6		0		0		0		0		0
DK3				2		0		0		0		0		0
HM2	8401			6		0		0		0		0		0
MS2				6		0		0		0		0		0
PN2				2		0		0		0		0		0
PN3				2		0		0		0		0		0
PNSN				1		0		0		0		0		0
PO2				2		0		0		0		0		0
PO3				1		0		0		0		0		0
PR2				4		0		0		0		0		0
YN2				3		0		0		0		0		0
YN3				2		0		0		0		0		0
YNSN				3		0		0		0		0		0
AN				85		0		0		0		0		0
USN FLEET SUPPORT ACTIVITIES - ACDU														
1000				1		0		0		0		0		0
1110				1		0		0		0		0		0
1302				2		0		0		0		0		0
1312				25		0		0		0		0		0
1322				1		0		0		0		0		0
1512				1		0		0		0		0		0
2302				1		0		0		0		0		0
3100				1		0		0		0		0		0
6330				2		0		0		0		0		0
6380				1		0		0		0		0		0
7180				1		0		0		0		0		0
ADCS		9502		1		0		0		0		0		0
ADC				1		0		0		0		0		0
ADC	8378			2		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		2		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	8378			1		0		0		0		0		0
AD3	8878			1		0		0		0		0		0
ADAN	8878			1		0		0		0		0		0
AEC	8378	8377		1		0		0		0		0		0
AEC	8378	9502		1		0		0		0		0		0
AEC	8379			1		0		0		0		0		0
AE1	8377			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
AE1	8389	9502		1		0		0		0		0		0
AE2	8226			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 OFF	PFYs ENL	CFY02 OFF	CFY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL	FY06 OFF	FY06 ENL
AE2	8378	8379		1		0		0		0		0		0
AE3	8878			2		0		0		0		0		0
AEAN	8878			3		0		0		0		0		0
AFCM	8300			1		0		0		0		0		0
AKC				1		0		0		0		0		0
AK1				1		0		0		0		0		0
AKAN				1		0		0		0		0		0
AMCS				1		0		0		0		0		0
AM1				1		0		0		0		0		0
AM1	8377			1		0		0		0		0		0
AM1	8378	8379		2		0		0		0		0		0
AM1	8378	9502		1		0		0		0		0		0
AM2	8216			1		0		0		0		0		0
AM2	8378			1		0		0		0		0		0
AM3	8878			6		0		0		0		0		0
AMAN	8878			5		0		0		0		0		0
AOC	8378	9502		1		0		0		0		0		0
AO2	8378			1		0		0		0		0		0
APOCM		9580		1		0		0		0		0		0
ATCS				2		0		0		0		0		0
ATC	8376			2		0		0		0		0		0
ATC	8389	9502		1		0		0		0		0		0
AT1	8376	8377		1		0		0		0		0		0
AT1	8378	9502		1		0		0		0		0		0
AT2	8376			2		0		0		0		0		0
AT3	8876			4		0		0		0		0		0
ATAN	8876			4		0		0		0		0		0
AWCS	7876	7815		1		0		0		0		0		0
AWC	7873			1		0		0		0		0		0
AW1	7873			2		0		0		0		0		0
AW1	7876			1		0		0		0		0		0
AW2	7873			7		0		0		0		0		0
AW2	7876			6		0		0		0		0		0
AZC				1		0		0		0		0		0
AZ1				1		0		0		0		0		0
AZ2				1		0		0		0		0		0
AZ2	6303			1		0		0		0		0		0
AZ3				1		0		0		0		0		0
AZAN				1		0		0		0		0		0
IT2	2750	2735		1		0		0		0		0		0
NCC				1		0		0		0		0		0
PRC				1		0		0		0		0		0
YNC				1		0		0		0		0		0
YN2				1		0		0		0		0		0
YN3				1		0		0		0		0		0
USN FLEET SUPPORT ACTIVITIES - SELRES														
1312				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 OFF	PFYs ENL	CFY02 OFF	CFY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL	FY06 OFF	FY06 ENL
1630		1		0		0		0		0		0	
3100		1		0		0		0		0		0	
6330		1		0		0		0		0		0	
6360		1		0		0		0		0		0	
ADC	8377		1		0		0		0		0		0
AEC	8379		1		0		0		0		0		0
AK1			1		0		0		0		0		0
AK2			1		0		0		0		0		0
AMCS			1		0		0		0		0		0
AMC	8377		1		0		0		0		0		0
AO1			1		0		0		0		0		0
ATC	8376		1		0		0		0		0		0
AWCS	7872		1		0		0		0		0		0
AWC	7873		1		0		0		0		0		0
AW1			1		0		0		0		0		0
AW2	7873		1		0		0		0		0		0
AZ1			1		0		0		0		0		0

SUMMARY TOTALS:

USN OPERATIONAL ACTIVITIES - ACDU												
363	1628	6	71	1	158	0	1	57	377	1	0	
USN OPERATIONAL ACTIVITIES - TAR												
27	331	0	0	0	0	0	0	0	0	0	0	
USN OPERATIONAL ACTIVITIES - SELRES												
87	340	0	0	0	0	0	0	0	0	0	0	
USN FLEET SUPPORT ACTIVITIES - ACDU												
37	102	0	0	0	0	0	0	0	0	0	0	
USN FLEET SUPPORT ACTIVITIES - SELRES												
5	13	0	0	0	0	0	0	0	0	0	0	

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY02 OFF	CFY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL	FY06 OFF	FY06 ENL
GRAND TOTALS:													
USN - ACDU		400	1730	6	71	1	158	0	1	57	377	1	0
USN - TAR		27	331	0	0	0	0	0	0	0	0	0	0
USN - SELRES		92	353	0	0	0	0	0	0	0	0	0	0

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
OPERATIONAL ACTIVITIES - USN					
HC-6 Sea, 0381A, FY02 Increment					
ACDU	0	3	AD1	8379	
	0	3	AD2	8379	
	0	3	AD3	8379	
	0	3	ADAN	8379	
	0	3	AE2	8379	
	0	3	AEAN	8379	
	0	3	AM1	8379	
	0	2	AM1	8379	9595
	0	3	AM2	8379	
	0	1	AM3	7225	8379
	0	2	AM3	8379	
	0	3	AMAN	8379	
	0	3	APO1	8216	8215
	0	7	APO2	8216	8215
	0	8	APO3	8216	8215
	0	2	APOAN	8216	
	0	1	AT1	8379	
	0	3	AT2	8379	
ACTIVITY TOTAL:	0	56			
HC-6 Shore, 31242, FY02 Increment					
ACDU	0	1	APOC	8216	8215
HC-6 Shore, 31242, FY04 Increment					
ACDU	0	1	AT1	8303	
ACTIVITY TOTAL:	0	2			
HC-8 Sea, 55219, FY03 Increment					
ACDU	0	11	AD1	8379	
	0	8	AD2	8379	
	0	8	AD3	8379	
	0	8	ADAN	8379	
	0	1	AE1	8379	
	0	8	AE2	8379	
	0	8	AEAN	8379	
	0	9	AM1	8379	
	0	3	AM2	7225	8379
	0	8	AM2	8379	
	0	5	AM3	7225	8379
	0	6	AM3	8379	
	0	8	AMAN	8379	
	0	8	APO1	8216	8215
	0	20	APO2	8216	8215

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
ACDU	0	22	APO3	8216	8215
	0	6	APOAN	8216	
	0	1	AT1	8379	
	0	8	AT2	8379	
ACTIVITY TOTAL:	0	156			
HC-8 Shore, 55218, FY03 Increment					
ACDU	0	1	APOC	8216	8215
	0	1	APOC	8379	9502
	0	1	APO2	8216	9502
	0	1	APO2	8379	9502
ACTIVITY TOTAL:	0	4			
HC-3 FRS, 09822, FY04 Increment					
ACDU	0	1	APOC	8216	
	0	2	APOC	8216	8215
	0	1	APOC	8216	9502
	0	2	APO1	8216	8215
	0	3	APO2	8216	8215
	0	2	APO3	8216	8215
	0	2	APOAN	8216	
ACTIVITY TOTAL:	0	13			
HC-5 Shore, 09823, FY02 Increment					
ACDU	1	0	6380		
	0	1	APO2		9590
	0	1	AZ2		
	0	1	ET1	1647	
	0	1	IT2	2735	
	0	2	IT2	2780	
	0	1	MS1		
	0	2	AN		
ACTIVITY TOTAL:	1	9			

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS		PFYs OFF	PFYs ENL	CFY02 OFF	CFY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL	FY06 OFF	FY06 ENL
USN OPERATIONAL ACTIVITIES - ACDU														
6380			0		-1		0		0		0		0	
AD1	8379			0		-3		-11		0		0		0
AD2	8379			0		-3		-8		0		0		0
AD3	8379			0		-3		-8		0		0		0
ADAN	8379			0		-3		-8		0		0		0
AE1	8379			0		0		-1		0		0		0
AE2	8379			0		-3		-8		0		0		0
AEAN	8379			0		-3		-8		0		0		0
AM1	8379			0		-3		-9		0		0		0
AM1	8379	9595		0		-2		0		0		0		0
AM2	7225	8379		0		0		-3		0		0		0
AM2	8379			0		-3		-8		0		0		0
AM3	7225	8379		0		-1		-5		0		0		0
AM3	8379			0		-2		-6		0		0		0
AMAN	8379			0		-3		-8		0		0		0
APOC	8216			0		0		0		-1		-1		0
APOC	8216	8215		0		-1		-1		-2		-2		0
APOC	8216	9502		0		0		0		-1		-1		0
APOC	8379	9502		0		0		-1		0		0		0
APO1	8216	8215		0		-3		-8		-2		-2		0
APO2		9590		0		-1		0		0		0		0
APO2	8216	8215		0		-7		-20		-3		-3		0
APO2	8216	9502		0		0		-1		0		0		0
APO2	8379	9502		0		0		-1		0		0		0
APO3	8216	8215		0		-8		-22		-2		-2		0
APOAN	8216			0		-2		-6		-2		-2		0
AT1	8303			0		0		0		-1		0		0
AT1	8379			0		-1		-1		0		0		0
AT2	8379			0		-3		-8		0		0		0
AZ2				0		-1		0		0		0		0
ET1	1647			0		-1		0		0		0		0
IT2	2735			0		-1		0		0		0		0
IT2	2780			0		-2		0		0		0		0
MS1				0		-1		0		0		0		0
AN				0		-2		0		0		0		0

SUMMARY TOTALS:

USN OPERATIONAL ACTIVITIES - ACDU													
	0	0	-1	-66	0	-160	0	-14	0	-13	0	0	

GRAND TOTALS:

USN - ACDU													
	0	0	-1	-66	0	-160	0	-14	0	-13	0	0	

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

DESIG RATING	PNEC/SNEC PMOS/SMOS		PFYs OFF	PFYs ENL	CFY02 OFF	CFY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL	FY06 OFF	FY06 ENL
TRAINING ACTIVITY, LOCATION, UIC: MTU 1005 NAMTRAU Jacksonville, 66051														
INSTRUCTOR BILLETS														
USN														
ADC	8378		0	1	0	1	0	1	0	1	0	1	0	1
ADC	8378	9502	0	1	0	1	0	1	0	1	0	1	0	1
AD1		9502	0	2	0	2	0	2	0	2	0	2	0	2
AD1	6426	9502	0	1	0	1	0	1	0	1	0	1	0	1
AD1	8378	9502	0	2	0	2	0	2	0	2	0	2	0	2
AD2	6426	9502	0	1	0	1	0	1	0	1	0	1	0	1
AEC	8378	9502	0	1	0	1	0	1	0	1	0	1	0	1
AE1		9502	0	1	0	1	0	1	0	1	0	1	0	1
AE1	8378	9502	0	3	0	3	0	3	0	3	0	3	0	3
AE2		9502	0	2	0	2	0	2	0	2	0	2	0	2
AE2	8389	9502	0	1	0	1	0	1	0	1	0	1	0	1
AMC		9502	0	1	0	1	0	1	0	1	0	1	0	1
AMC	8378		0	1	0	1	0	1	0	1	0	1	0	1
AM1		9502	0	3	0	3	0	3	0	3	0	3	0	3
AM1	8378	9502	0	3	0	3	0	3	0	3	0	3	0	3
AOC	6801	9502	0	2	0	2	0	2	0	2	0	2	0	2
AOC	8378	9502	0	1	0	1	0	1	0	1	0	1	0	1
AO1	6801	9502	0	2	0	2	0	2	0	2	0	2	0	2
AO1	8378	9502	0	1	0	1	0	1	0	1	0	1	0	1
APO1		9502	0	2	0	2	0	2	0	2	0	2	0	2
APO1	8378	9502	0	1	0	1	0	1	0	1	0	1	0	1
ATC	8378	9502	0	1	0	1	0	1	0	1	0	1	0	1
AT1		9502	0	1	0	1	0	1	0	1	0	1	0	1
AT1	8378	9502	0	1	0	1	0	1	0	1	0	1	0	1
SUPPORT BILLETS														
USN														
1300			1	0	1	0	1	0	1	0	1	0	1	0
1520			1	0	1	0	1	0	1	0	1	0	1	0
6330			1	0	1	0	1	0	1	0	1	0	1	0
6380			1	0	1	0	1	0	1	0	1	0	1	0
ADCS		9502	0	1	0	1	0	1	0	1	0	1	0	1
ADC	8378	9502	0	1	0	1	0	1	0	1	0	1	0	1
AD2			0	1	0	1	0	1	0	1	0	1	0	1
AE1	8378		0	1	0	1	0	1	0	1	0	1	0	1
AKC			0	1	0	1	0	1	0	1	0	1	0	1
AK1			0	2	0	2	0	2	0	2	0	2	0	2
AK2			0	2	0	2	0	2	0	2	0	2	0	2
AMC		9595	0	1	0	1	0	1	0	1	0	1	0	1
AM2	8378		0	1	0	1	0	1	0	1	0	1	0	1
APOCM		9502	0	1	0	1	0	1	0	1	0	1	0	1
APOCS			0	2	0	2	0	2	0	2	0	2	0	2

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

DESIG	PNEC/SNEC	PFYs		CFY02		FY03		FY04		FY05		FY06	
RATING	PMOS/SMOS	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
APO1	9502	0	1	0	1	0	1	0	1	0	1	0	1
APO1	9588	0	1	0	1	0	1	0	1	0	1	0	1
APO2		0	1	0	1	0	1	0	1	0	1	0	1
ATCS		0	1	0	1	0	1	0	1	0	1	0	1
ATCS	9502	0	2	0	2	0	2	0	2	0	2	0	2
ATC		0	2	0	2	0	2	0	2	0	2	0	2
AZ2		0	3	0	3	0	3	0	3	0	3	0	3
IT2		0	1	0	1	0	1	0	1	0	1	0	1
IT3		0	1	0	1	0	1	0	1	0	1	0	1
YNSN		0	1	0	1	0	1	0	1	0	1	0	1
TOTAL:		4	64	4	64	4	64	4	64	4	64	4	64

TRAINING ACTIVITY, LOCATION, UIC: MTU 1022 NAMTRAU North Island, 66065

INSTRUCTOR BILLETS

USN													
ADC	8378		0	1	0	1	0	1	0	1	0	1	0	1
ADC	8379	9502	0	1	0	1	0	1	0	1	0	1	0	1
AD1	6426	9502	0	2	0	2	0	2	0	2	0	2	0	2
AD1	8378	9502	0	3	0	3	0	3	0	3	0	3	0	3
AD1	8379	9502	0	3	0	3	0	3	0	3	0	3	0	3
AEC	8389	9502	0	1	0	1	0	1	0	1	0	1	0	1
AE1	8379	9502	0	1	0	1	0	1	0	1	0	1	0	1
AE2	8379	9502	0	2	0	2	0	2	0	2	0	2	0	2
AM1	8378	9502	0	2	0	2	0	2	0	2	0	2	0	2
AO1	8378	9502	0	4	0	4	0	4	0	4	0	4	0	4
AO2	8378	9502	0	2	0	2	0	2	0	2	0	2	0	2
ATC	8376	9502	0	1	0	1	0	1	0	1	0	1	0	1
ATC	8378	9502	0	1	0	1	0	1	0	1	0	1	0	1
AT1	8378	9502	0	5	0	5	0	5	0	5	0	5	0	5
AT1	8379	9502	0	2	0	2	0	2	0	2	0	2	0	2
AT2	8376		0	1	0	1	0	1	0	1	0	1	0	1
AT2	8379	9502	0	1	0	1	0	1	0	1	0	1	0	1
AT2	8389	9502	0	2	0	2	0	2	0	2	0	2	0	2
TOTAL:			0	35	0	35	0	35	0	35	0	35	0	35

Note: The instructor billets for MTU 1022 NAMTRAU North Island are existing billets for H-60 maintenance training and are not exclusively for the MH-60S.

TRAINING ACTIVITY, LOCATION, UIC: MTU XXXX NAMTRAU Norfolk, 66046

INSTRUCTOR BILLETS

USN														
ADC	8378		0	0	0	0	0	1	0	1	0	1	0	1
ADC	8378	9502	0	0	0	0	0	1	0	1	0	1	0	1
AD1	8378	9502	0	0	0	0	0	2	0	2	0	2	0	2
AD1	8379	9502	0	0	0	0	0	3	0	3	0	3	0	3
AEC	8389	9502	0	0	0	0	0	1	0	1	0	1	0	1
AE1	8389	9502	0	0	0	0	0	2	0	2	0	2	0	2
AE2	8389	9502	0	0	0	0	0	2	0	2	0	2	0	2
AM1	8378	9502	0	0	0	0	0	7	0	7	0	7	0	7
AO1	8378	9502	0	0	0	0	0	4	0	4	0	4	0	4
ATC	8389	9502	0	0	0	0	0	1	0	1	0	1	0	1
AT1	8389	9502	0	0	0	0	0	2	0	2	0	2	0	2
TOTAL:			0	0	0	0	0	25	0	25	0	25	0	25

Note: The MTU XXXX manning shown above is based on information provided by NAVMAC and N789. When the Activity Manning Documents are developed and this information is updated, it will be included in updates to this document.

II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs OFF	PFYs ENL	CFY02 OFF	CFY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL	FY06 OFF	FY06 ENL
MTU XXXX NAMTRAU Norfolk, 66046													
	USN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	6.3
CRAW/CRAG HC-3 Coronado, NAS North Island, 42431													
	USN	0.0	0.0	12.1	3.4	21.0	3.4	35.4	10.2	35.4	11.9	36.0	10.8
HC-3 FRS, NAS North Island, 09822													
	USN	0.0	0.0	2.8	1.8	2.8	1.8	3.1	5.5	3.1	5.5	3.1	5.5
MTU 1022 NAMTRAU North Island, 66065													
	USN	0.0	0.0	0.0	9.5	0.0	10.6	0.0	10.5	0.0	10.4	0.0	10.4
SUMMARY TOTALS:													
	USN	0.0	0.0	14.9	14.7	23.8	15.8	38.5	26.2	38.5	34.4	39.1	33.0
GRAND TOTALS:													
		0.0	0.0	14.9	14.7	23.8	15.8	38.5	26.2	38.5	34.4	39.1	33.0

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY02 +/-	CFY02 CUM	FY03 +/-	FY03 CUM	FY04 +/-	FY04 CUM	FY05 +/-	FY05 CUM	FY06 +/-	FY06 CUM
a. OFFICER - USN													
Operational Billets ACDU and TAR													
1110			1	0	1	0	1	0	1	1	2	0	2
1302			0	2	2	0	2	0	2	0	2	0	2
1311			274	0	274	0	274	0	274	0	274	1	275
1312			59	2	61	1	62	0	62	50	112	0	112
1520			9	1	10	0	10	0	10	1	11	0	11
2102			5	0	5	0	5	0	5	1	6	0	6
3100			1	0	1	0	1	0	1	1	2	0	2
6330			14	0	14	0	14	0	14	1	15	0	15
6380			1	-1	0	0	0	0	0	0	0	0	0
6410			1	0	1	0	1	0	1	1	2	0	2
7340			24	1	25	0	25	0	25	1	26	0	26
7380			1	0	1	0	1	0	1	0	1	0	1
Fleet Support Billets ACDU and TAR													
1000			1	0	1	0	1	0	1	0	1	0	1
1110			1	0	1	0	1	0	1	0	1	0	1
1302			2	0	2	0	2	0	2	0	2	0	2
1312			25	0	25	0	25	0	25	0	25	0	25
1322			1	0	1	0	1	0	1	0	1	0	1
1512			1	0	1	0	1	0	1	0	1	0	1
2302			1	0	1	0	1	0	1	0	1	0	1
3100			1	0	1	0	1	0	1	0	1	0	1
6330			2	0	2	0	2	0	2	0	2	0	2
6380			1	0	1	0	1	0	1	0	1	0	1
7180			1	0	1	0	1	0	1	0	1	0	1
Staff Billets ACDU and TAR													
1300			1	0	1	0	1	0	1	0	1	0	1
1520			1	0	1	0	1	0	1	0	1	0	1
6330			1	0	1	0	1	0	1	0	1	0	1
6380			1	0	1	0	1	0	1	0	1	0	1
Chargeable Student Billets ACDU and TAR													
			0	15	15	9	24	15	39	0	39	1	40
SELRES Billets													
1311			72	0	72	0	72	0	72	0	72	0	72
1312			1	0	1	0	1	0	1	0	1	0	1
1630			3	0	3	0	3	0	3	0	3	0	3
2102			3	0	3	0	3	0	3	0	3	0	3
3100			1	0	1	0	1	0	1	0	1	0	1
6330			7	0	7	0	7	0	7	0	7	0	7
6360			1	0	1	0	1	0	1	0	1	0	1
6380			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	CFY02 +/-	CFY02 CUM	FY03 +/-	FY03 CUM	FY04 +/-	FY04 CUM	FY05 +/-	FY05 CUM	FY06 +/-	FY06 CUM
TOTAL USN OFFICER BILLETS:													
Operational			390	5	395	1	396	0	396	57	453	1	454
Fleet Support			37	0	37	0	37	0	37	0	37	0	37
Staff			4	0	4	0	4	0	4	0	4	0	4
Chargeable Student			0	15	15	9	24	15	39	0	39	1	40
SELRES			92	0	92	0	92	0	92	0	92	0	92
b. ENLISTED - USN													
Operational Billets ACDU and TAR													
ABH2		9502	1	0	1	0	1	0	1	1	2	0	2
ADC	8378	9502	2	0	2	0	2	0	2	2	4	0	4
AD1	8303		2	0	2	0	2	0	2	0	2	0	2
AD1	8377		2	0	2	0	2	0	2	0	2	0	2
AD1	8378		30	3	33	11	44	0	44	9	53	0	53
AD1	8379		30	-3	27	-11	16	0	16	0	16	0	16
AD2	6426		2	0	2	0	2	0	2	0	2	0	2
AD2	8377		5	0	5	0	5	0	5	0	5	0	5
AD2	8378		21	3	24	8	32	0	32	9	41	0	41
AD2	8379		26	-3	23	-8	15	0	15	0	15	0	15
AD3			4	0	4	0	4	0	4	0	4	0	4
AD3	6419		1	0	1	0	1	0	1	0	1	0	1
AD3	8379		25	-3	22	-8	14	0	14	0	14	0	14
AD3	8878		28	3	31	8	39	0	39	14	53	0	53
ADAN			4	0	4	0	4	0	4	0	4	0	4
ADAN	8379		28	-3	25	-8	17	0	17	0	17	0	17
ADAN	8878		31	3	34	8	42	0	42	19	61	0	61
AEC	8379		1	0	1	0	1	0	1	0	1	0	1
AEC	8389		1	0	1	0	1	0	1	1	2	0	2
AE1	8377		2	0	2	0	2	0	2	0	2	0	2
AE1	8378		11	0	11	1	12	0	12	6	18	0	18
AE1	8379		7	0	7	-1	6	0	6	0	6	0	6
AE2	7144	7105	2	0	2	0	2	0	2	0	2	0	2
AE2	8377		2	0	2	0	2	0	2	0	2	0	2
AE2	8378	8379	17	3	20	8	28	0	28	7	35	0	35
AE2	8379		22	-3	19	-8	11	0	11	0	11	0	11
AE3			4	0	4	0	4	0	4	0	4	0	4
AE3	7144		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	CFY02 +/-	CFY02 CUM	FY03 +/-	FY03 CUM	FY04 +/-	FY04 CUM	FY05 +/-	FY05 CUM	FY06 +/-	FY06 CUM
AE3	8808		10	0	10	0	10	0	10	10	20	0	20
AE3	8878		2	0	2	0	2	0	2	0	2	0	2
AE3	8879		4	0	4	0	4	0	4	0	4	0	4
AEAN			1	0	1	0	1	0	1	0	1	0	1
AEAN	8379		23	-3	20	-8	12	0	12	0	12	0	12
AEAN	8878		28	3	31	8	39	0	39	12	51	0	51
AKC			1	0	1	0	1	0	1	0	1	0	1
AK1			5	0	5	0	5	0	5	1	6	0	6
AK2			45	0	45	0	45	0	45	1	46	0	46
AK2		9590	3	1	4	0	4	0	4	0	4	0	4
AK3			6	0	6	0	6	0	6	2	8	0	8
AKAN			2	0	2	0	2	0	2	2	4	0	4
AMC	8378		3	0	3	0	3	0	3	3	6	0	6
AM1	7225	8379	4	0	4	0	4	0	4	0	4	0	4
AM1	8303		2	0	2	0	2	0	2	0	2	0	2
AM1	8377		2	0	2	0	2	0	2	0	2	0	2
AM1	8377	9595	1	0	1	0	1	0	1	0	1	0	1
AM1	8378		1	0	1	0	1	0	1	0	1	0	1
AM1	8378	8379	27	3	30	9	39	0	39	9	48	0	48
AM1	8378	9595	4	2	6	2	8	0	8	0	8	0	8
AM1	8379		26	-3	23	-9	14	0	14	0	14	0	14
AM1	8379	9595	6	-2	4	0	4	0	4	0	4	0	4
AM2	7225	8378	2	2	4	3	7	0	7	0	7	0	7
AM2	7225	8379	12	3	15	-3	12	0	12	0	12	0	12
AM2	7232		2	0	2	0	2	0	2	0	2	0	2
AM2	8377		7	0	7	0	7	0	7	0	7	0	7
AM2	8378		22	8	30	8	38	0	38	9	47	0	47
AM2	8379		28	-3	25	-8	17	0	17	0	17	0	17
AM3			5	0	5	0	5	0	5	0	5	0	5
AM3	7212		3	0	3	0	3	0	3	0	3	0	3
AM3	7225	8379	16	-1	15	-5	10	0	10	0	10	0	10
AM3	7225	8878	3	1	4	5	9	0	9	0	9	0	9
AM3	7232		1	0	1	0	1	0	1	0	1	0	1
AM3	8379		23	-2	21	-6	15	0	15	0	15	0	15
AM3	8878		25	2	27	6	33	0	33	14	47	0	47
AMAN			5	0	5	0	5	0	5	0	5	0	5
AMAN	8379		30	-3	27	-8	19	0	19	0	19	0	19
AMAN	8878		39	3	42	8	50	0	50	24	74	0	74
AO1	8378	0812	3	0	3	0	3	0	3	0	3	0	3
AO2			1	0	1	0	1	0	1	0	1	0	1
AO2	8378		2	0	2	0	2	0	2	0	2	0	2
AO2	8378	0812	3	0	3	0	3	0	3	1	4	0	4
AO3			1	0	1	0	1	0	1	1	2	0	2
APOCM		9580	1	0	1	0	1	0	1	0	1	0	1
APOCM	8300		7	0	7	0	7	0	7	1	8	0	8
APOCS			3	0	3	0	3	0	3	0	3	0	3
APOCS	8205	8215	1	0	1	0	1	0	1	1	2	0	2
APOCS	8215		2	0	2	0	2	0	2	2	4	0	4

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY02 +/-	CFY02 CUM	FY03 +/-	FY03 CUM	FY04 +/-	FY04 CUM	FY05 +/-	FY05 CUM	FY06 +/-	FY06 CUM
APOCS	8215	9502	1	0	1	0	1	0	1	1	2	0	2
APOCS	8216	8215	1	0	1	0	1	0	1	0	1	0	1
APOCS	8800		19	0	19	0	19	0	19	7	26	0	26
APOC			3	0	3	0	3	0	3	0	3	0	3
APOC		8800	10	0	10	0	10	0	10	0	10	0	10
APOC	8205		1	0	1	0	1	0	1	1	2	0	2
APOC	8205	8215	4	0	4	0	4	0	4	1	5	0	5
APOC	8205	9502	1	0	1	0	1	0	1	1	2	0	2
APOC	8211		2	0	2	0	2	0	2	0	2	0	2
APOC	8215		1	0	1	0	1	0	1	1	2	0	2
APOC	8215	9502	2	0	2	0	2	0	2	2	4	0	4
APOC	8216		2	0	2	0	2	-1	1	0	1	0	1
APOC	8216	8215	4	-1	3	-1	2	-2	0	0	0	0	0
APOC	8216	9502	1	0	1	0	1	-1	0	0	0	0	0
APOC	8378	8800	13	0	13	0	13	0	13	0	13	0	13
APOC	8378	9502	0	0	0	1	1	0	1	0	1	0	1
APOC	8379	9502	1	0	1	-1	0	0	0	0	0	0	0
APO1		9502	17	0	17	0	17	0	17	8	25	0	25
APO1		9590	2	0	2	0	2	0	2	0	2	0	2
APO1		9595	6	0	6	0	6	0	6	1	7	0	7
APO1	8205		3	0	3	8	11	0	11	1	12	0	12
APO1	8205	8215	11	3	14	0	14	0	14	2	16	0	16
APO1	8205	9502	4	0	4	1	5	0	5	4	9	0	9
APO1	8211	8215	4	0	4	0	4	0	4	0	4	0	4
APO1	8215		6	0	6	0	6	0	6	0	6	0	6
APO1	8215	9502	3	0	3	0	3	0	3	3	6	0	6
APO1	8216		1	0	1	0	1	0	1	0	1	0	1
APO1	8216	8215	28	-3	25	-8	17	-2	15	0	15	0	15
APO1	8301		3	0	3	0	3	0	3	1	4	0	4
APO1	8378	8800	49	0	49	0	49	0	49	5	54	0	54
APO1	8378	9502	3	0	3	0	3	0	3	2	5	0	5
APO2			43	0	43	0	43	0	43	7	50	0	50
APO2		9590	2	-1	1	0	1	0	1	1	2	0	2
APO2	8205		6	0	6	22	28	0	28	3	31	0	31
APO2	8205	8215	24	7	31	0	31	0	31	1	32	0	32
APO2	8205	9502	10	0	10	0	10	0	10	10	20	0	20
APO2	8211		6	0	6	0	6	0	6	0	6	0	6
APO2	8211	8215	4	0	4	0	4	0	4	0	4	0	4
APO2	8215		14	0	14	0	14	0	14	0	14	0	14
APO2	8215	9502	4	0	4	0	4	0	4	4	8	0	8
APO2	8216		2	0	2	0	2	0	2	0	2	0	2
APO2	8216	8215	72	-7	65	-20	45	-3	42	0	42	0	42
APO2	8216	9502	1	0	1	-1	0	0	0	0	0	0	0
APO2	8303	9502	1	0	1	0	1	0	1	0	1	0	1
APO2	8378	9502	1	0	1	2	3	0	3	1	4	0	4
APO2	8379	9502	1	0	1	-1	0	0	0	0	0	0	0
APO3			6	0	6	0	6	0	6	4	10	0	10
APO3	8202	8215	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	CFY02 +/-	CFY02 CUM	FY03 +/-	FY03 CUM	FY04 +/-	FY04 CUM	FY05 +/-	FY05 CUM	FY06 +/-	FY06 CUM
APO3	8205		7	0	7	22	29	0	29	4	33	0	33
APO3	8205	8215	31	8	39	0	39	0	39	0	39	0	39
APO3	8211		10	0	10	0	10	0	10	0	10	0	10
APO3	8211	8215	4	0	4	0	4	0	4	0	4	0	4
APO3	8215		6	0	6	0	6	0	6	0	6	0	6
APO3	8216		3	0	3	0	3	0	3	0	3	0	3
APO3	8216	8215	79	-8	71	-22	49	-2	47	0	47	0	47
APOAN	8205		8	2	10	7	17	0	17	0	17	0	17
APOAN	8211		10	0	10	0	10	0	10	0	10	0	10
APOAN	8216		19	-2	17	-6	11	-2	9	0	9	0	9
ATC	8389		1	0	1	0	1	0	1	1	2	0	2
AT1	8303		2	0	2	0	2	-1	1	0	1	0	1
AT1	8377		2	0	2	0	2	0	2	0	2	0	2
AT1	8378		4	1	5	0	5	1	6	0	6	0	6
AT1	8379		6	-1	5	-1	4	0	4	0	4	0	4
AT1	8389		4	1	5	1	6	0	6	4	10	0	10
AT2	6611	6609	2	0	2	0	2	0	2	0	2	0	2
AT2	6611	6613	1	0	1	0	1	0	1	0	1	0	1
AT2	6688		2	0	2	0	2	0	2	0	2	0	2
AT2	8377		3	0	3	0	3	0	3	0	3	0	3
AT2	8378		12	3	15	0	15	0	15	0	15	0	15
AT2	8379		22	-3	19	-8	11	0	11	0	11	0	11
AT2	8389		13	0	13	0	13	0	13	5	18	0	18
AT3			1	0	1	0	1	0	1	0	1	0	1
AT3	6605	6612	1	0	1	0	1	0	1	0	1	0	1
AT3	6606		1	0	1	0	1	0	1	0	1	0	1
AT3	6634	6613	2	0	2	0	2	0	2	0	2	0	2
AT3	8379		2	0	2	0	2	0	2	0	2	0	2
AT3	8808		6	0	6	0	6	0	6	6	12	0	12
AT3	8878		2	0	2	0	2	0	2	0	2	0	2
ATAN			1	0	1	0	1	0	1	0	1	0	1
ATAN	6606		2	0	2	0	2	0	2	0	2	0	2
ATAN	8379		2	0	2	0	2	0	2	0	2	0	2
ATAN	8808		7	0	7	0	7	0	7	7	14	0	14
ATAN	8878		2	0	2	0	2	0	2	0	2	0	2
AWC	7815		2	0	2	0	2	0	2	2	4	0	4
AW1	7815	9502	1	0	1	0	1	0	1	1	2	0	2
AZC			2	0	2	0	2	0	2	1	3	0	3
AZ1			7	0	7	0	7	0	7	1	8	0	8
AZ1	6315		7	0	7	0	7	0	7	1	8	0	8
AZ2			57	-1	56	0	56	0	56	4	60	0	60
AZ3			6	0	6	0	6	0	6	2	8	0	8
AZAN			5	0	5	0	5	0	5	3	8	0	8
DM3			1	0	1	0	1	0	1	1	2	0	2
DP3	2306		1	1	2	0	2	0	2	0	2	0	2
ET1	1647		1	-1	0	0	0	0	0	0	0	0	0
HMC	8401		2	0	2	0	2	0	2	2	4	0	4
HM2	8401		3	0	3	0	3	0	3	1	4	0	4

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY02 +/-	CFY02 CUM	FY03 +/-	FY03 CUM	FY04 +/-	FY04 CUM	FY05 +/-	FY05 CUM	FY06 +/-	FY06 CUM
HM2	8401	9502	1	0	1	0	1	0	1	1	2	0	2
HM2	8406		1	0	1	0	1	0	1	0	1	0	1
HM3	8406		1	0	1	0	1	0	1	0	1	0	1
IT2	2735		1	-1	0	0	0	0	0	0	0	0	0
IT2	2780		7	-2	5	0	5	0	5	2	7	0	7
IT3			1	0	1	0	1	0	1	1	2	0	2
IT3	2735		7	0	7	0	7	0	7	1	8	0	8
LN2			1	0	1	0	1	0	1	0	1	0	1
MS1			1	-1	0	0	0	0	0	0	0	0	0
MS2			2	0	2	0	2	0	2	0	2	0	2
NC1			6	0	6	0	6	0	6	1	7	0	7
PN1			3	0	3	0	3	0	3	0	3	0	3
PN2			4	0	4	0	4	0	4	0	4	0	4
PN3			3	0	3	0	3	0	3	0	3	0	3
PNSN			1	0	1	0	1	0	1	0	1	0	1
POCM		9580	5	0	5	0	5	0	5	1	6	0	6
POC	0170		1	0	1	0	1	0	1	1	2	0	2
PO1			0	1	1	0	1	0	1	0	1	0	1
PO1	0170		1	0	1	0	1	0	1	1	2	0	2
PO2			23	0	23	0	23	0	23	5	28	0	28
PO3			9	0	9	0	9	0	9	1	10	0	10
PR1			10	0	10	0	10	0	10	2	12	0	12
PR1		9502	1	0	1	0	1	0	1	1	2	0	2
PR2			25	0	25	0	25	0	25	3	28	0	28
PR3			17	0	17	0	17	0	17	2	19	0	19
PRAN			11	0	11	0	11	0	11	3	14	0	14
SKCS			1	0	1	0	1	0	1	0	1	0	1
YNC			8	0	8	0	8	0	8	1	9	0	9
YN1			6	0	6	0	6	0	6	2	8	0	8
YN1		9588	1	0	1	0	1	0	1	0	1	0	1
YN2			11	0	11	0	11	0	11	4	15	0	15
YN3			10	1	11	0	11	0	11	3	14	0	14
YNSN			23	0	23	0	23	0	23	5	28	0	28
AN			211	-2	209	1	210	0	210	44	254	0	254
SN			1	0	1	0	1	0	1	0	1	0	1
Fleet Support Billets ACDU and TAR													
ADCS		9502	1	0	1	0	1	0	1	0	1	0	1
ADC			1	0	1	0	1	0	1	0	1	0	1
ADC	8378		2	0	2	0	2	0	2	0	2	0	2
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	2	0	2	0	2	0	2	0	2	0	2
AD2			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		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	8878		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	CFY02 +/-	CFY02 CUM	FY03 +/-	FY03 CUM	FY04 +/-	FY04 CUM	FY05 +/-	FY05 CUM	FY06 +/-	FY06 CUM
ADAN	8878		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
AEC	8378	9502	1	0	1	0	1	0	1	0	1	0	1
AEC	8379		1	0	1	0	1	0	1	0	1	0	1
AE1	8377		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
AE1	8389	9502	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	8378	8379	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	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
AKC			1	0	1	0	1	0	1	0	1	0	1
AK1			1	0	1	0	1	0	1	0	1	0	1
AKAN			1	0	1	0	1	0	1	0	1	0	1
AMCS			1	0	1	0	1	0	1	0	1	0	1
AM1			1	0	1	0	1	0	1	0	1	0	1
AM1	8377		1	0	1	0	1	0	1	0	1	0	1
AM1	8378	8379	2	0	2	0	2	0	2	0	2	0	2
AM1	8378	9502	1	0	1	0	1	0	1	0	1	0	1
AM2	8216		1	0	1	0	1	0	1	0	1	0	1
AM2	8378		1	0	1	0	1	0	1	0	1	0	1
AM3	8878		6	0	6	0	6	0	6	0	6	0	6
AMAN	8878		5	0	5	0	5	0	5	0	5	0	5
AOC	8378	9502	1	0	1	0	1	0	1	0	1	0	1
AO2	8378		1	0	1	0	1	0	1	0	1	0	1
APOCM		9580	1	0	1	0	1	0	1	0	1	0	1
ATCS			2	0	2	0	2	0	2	0	2	0	2
ATC	8376		2	0	2	0	2	0	2	0	2	0	2
ATC	8389	9502	1	0	1	0	1	0	1	0	1	0	1
AT1	8376	8377	1	0	1	0	1	0	1	0	1	0	1
AT1	8378	9502	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	8876		4	0	4	0	4	0	4	0	4	0	4
ATAN	8876		4	0	4	0	4	0	4	0	4	0	4
AWCS	7876	7815	1	0	1	0	1	0	1	0	1	0	1
AWC	7873		1	0	1	0	1	0	1	0	1	0	1
AW1	7873		2	0	2	0	2	0	2	0	2	0	2
AW1	7876		1	0	1	0	1	0	1	0	1	0	1
AW2	7873		7	0	7	0	7	0	7	0	7	0	7
AW2	7876		6	0	6	0	6	0	6	0	6	0	6
AZC			1	0	1	0	1	0	1	0	1	0	1
AZ1			1	0	1	0	1	0	1	0	1	0	1
AZ2			1	0	1	0	1	0	1	0	1	0	1
AZ2	6303		1	0	1	0	1	0	1	0	1	0	1
AZ3			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	CFY02 +/-	CFY02 CUM	FY03 +/-	FY03 CUM	FY04 +/-	FY04 CUM	FY05 +/-	FY05 CUM	FY06 +/-	FY06 CUM
AZAN			1	0	1	0	1	0	1	0	1	0	1
IT2	2750	2735	1	0	1	0	1	0	1	0	1	0	1
NCC			1	0	1	0	1	0	1	0	1	0	1
PRC			1	0	1	0	1	0	1	0	1	0	1
YNC			1	0	1	0	1	0	1	0	1	0	1
YN2			1	0	1	0	1	0	1	0	1	0	1
YN3			1	0	1	0	1	0	1	0	1	0	1
Staff Billets ACDU and TAR													
ADCS		9502	1	0	1	0	1	0	1	0	1	0	1
ADC	8378		2	0	2	1	3	0	3	0	3	0	3
ADC	8378	9502	2	0	2	2	4	0	4	0	4	0	4
ADC	8379	9502	1	0	1	0	1	0	1	0	1	0	1
AD1		9502	2	0	2	0	2	0	2	0	2	0	2
AD1	6426	9502	3	0	3	0	3	0	3	0	3	0	3
AD1	8378	9502	5	0	5	2	7	0	7	0	7	0	7
AD1	8379	9502	3	0	3	3	6	0	6	0	6	0	6
AD2			1	0	1	0	1	0	1	0	1	0	1
AD2	6426	9502	1	0	1	0	1	0	1	0	1	0	1
AEC	8378	9502	1	0	1	0	1	0	1	0	1	0	1
AEC	8389	9502	1	0	1	1	2	0	2	0	2	0	2
AE1		9502	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	9502	3	0	3	0	3	0	3	0	3	0	3
AE1	8379	9502	1	0	1	2	3	0	3	0	3	0	3
AE2		9502	2	0	2	0	2	0	2	0	2	0	2
AE2	8379	9502	2	0	2	0	2	0	2	0	2	0	2
AE2	8389	9502	1	0	1	2	3	0	3	0	3	0	3
AKC			1	0	1	0	1	0	1	0	1	0	1
AK1			2	0	2	0	2	0	2	0	2	0	2
AK2			2	0	2	0	2	0	2	0	2	0	2
AMC		9502	1	0	1	0	1	0	1	0	1	0	1
AMC		9595	1	0	1	0	1	0	1	0	1	0	1
AMC	8378		1	0	1	0	1	0	1	0	1	0	1
AM1		9502	3	0	3	0	3	0	3	0	3	0	3
AM1	8378	9502	5	0	5	7	12	0	12	0	12	0	12
AM2	8378		1	0	1	0	1	0	1	0	1	0	1
AOC	6801	9502	2	0	2	0	2	0	2	0	2	0	2
AOC	8378	9502	1	0	1	0	1	0	1	0	1	0	1
AO1	6801	9502	2	0	2	0	2	0	2	0	2	0	2
AO1	8378	9502	5	0	5	4	9	0	9	0	9	0	9
AO2	8378	9502	2	0	2	0	2	0	2	0	2	0	2
APOCM		9502	1	0	1	0	1	0	1	0	1	0	1
APOCS			2	0	2	0	2	0	2	0	2	0	2
APO1		9502	3	0	3	0	3	0	3	0	3	0	3
APO1		9588	1	0	1	0	1	0	1	0	1	0	1
APO1	8378	9502	1	0	1	0	1	0	1	0	1	0	1
APO2			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	CFY02 +/-	CFY02 CUM	FY03 +/-	FY03 CUM	FY04 +/-	FY04 CUM	FY05 +/-	FY05 CUM	FY06 +/-	FY06 CUM
ATCS			1	0	1	0	1	0	1	0	1	0	1
ATCS		9502	2	0	2	0	2	0	2	0	2	0	2
ATC			2	0	2	0	2	0	2	0	2	0	2
ATC	8376	9502	1	0	1	0	1	0	1	0	1	0	1
ATC	8378	9502	2	0	2	0	2	0	2	0	2	0	2
ATC	8389	9502	0	0	0	2	2	0	2	0	2	0	2
AT1		9502	1	0	1	0	1	0	1	0	1	0	1
AT1	8378	9502	6	0	6	0	6	0	6	0	6	0	6
AT1	8379	9502	2	0	2	0	2	0	2	0	2	0	2
AT1	8389	9502	0	0	0	2	2	0	2	0	2	0	2
AT2	8376		1	0	1	0	1	0	1	0	1	0	1
AT2	8379	9502	1	0	1	0	1	0	1	0	1	0	1
AT2	8389	9502	2	0	2	0	2	0	2	0	2	0	2
AZ2			3	0	3	0	3	0	3	0	3	0	3
IT2			1	0	1	0	1	0	1	0	1	0	1
IT3			1	0	1	0	1	0	1	0	1	0	1
YNSN			1	0	1	0	1	0	1	0	1	0	1
Chargeable Student Billets ACDU and TAR			0	15	15	1	16	11	27	8	35	-2	33
SELRES Billets													
ADC	8377		1	0	1	0	1	0	1	0	1	0	1
AD1	8377		3	0	3	0	3	0	3	0	3	0	3
AD2	8378		2	0	2	0	2	0	2	0	2	0	2
AD3			4	0	4	0	4	0	4	0	4	0	4
AD3	8878		2	0	2	0	2	0	2	0	2	0	2
ADAN			4	0	4	0	4	0	4	0	4	0	4
ADAN	6419		1	0	1	0	1	0	1	0	1	0	1
ADAN	8878		4	0	4	0	4	0	4	0	4	0	4
AEC	8379		1	0	1	0	1	0	1	0	1	0	1
AE1	8377		3	0	3	0	3	0	3	0	3	0	3
AE1	8378		2	0	2	0	2	0	2	0	2	0	2
AE2	8377		2	0	2	0	2	0	2	0	2	0	2
AE2	8378		2	0	2	0	2	0	2	0	2	0	2
AE2	8378	8379	2	0	2	0	2	0	2	0	2	0	2
AE3			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			4	0	4	0	4	0	4	0	4	0	4
AKC			1	0	1	0	1	0	1	0	1	0	1
AK1			1	0	1	0	1	0	1	0	1	0	1
AK2			5	0	5	0	5	0	5	0	5	0	5
AK3			1	0	1	0	1	0	1	0	1	0	1
AKAN			3	0	3	0	3	0	3	0	3	0	3
AMCS			1	0	1	0	1	0	1	0	1	0	1
AMCS	8377		1	0	1	0	1	0	1	0	1	0	1
AMC	8377		2	0	2	0	2	0	2	0	2	0	2
AM1	8377		4	0	4	0	4	0	4	0	4	0	4
AM1	8378		1	0	1	0	1	0	1	0	1	0	1
AM1	8378	8379	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	CFY02 +/-	CFY02 CUM	FY03 +/-	FY03 CUM	FY04 +/-	FY04 CUM	FY05 +/-	FY05 CUM	FY06 +/-	FY06 CUM
AM2	8377		1	0	1	0	1	0	1	0	1	0	1
AM2	8378		2	0	2	0	2	0	2	0	2	0	2
AM3			5	0	5	0	5	0	5	0	5	0	5
AM3	8878		2	0	2	0	2	0	2	0	2	0	2
AMAN			5	0	5	0	5	0	5	0	5	0	5
AMAN	8878		1	0	1	0	1	0	1	0	1	0	1
AO1			1	0	1	0	1	0	1	0	1	0	1
AO2	8378		4	0	4	0	4	0	4	0	4	0	4
AOAN	8378		8	0	8	0	8	0	8	0	8	0	8
APOCM	8300		1	0	1	0	1	0	1	0	1	0	1
APOCS			4	0	4	0	4	0	4	0	4	0	4
APOCS	8800		2	0	2	0	2	0	2	0	2	0	2
APOC	8211		2	0	2	0	2	0	2	0	2	0	2
APO1		9502	3	0	3	0	3	0	3	0	3	0	3
APO1		9595	2	0	2	0	2	0	2	0	2	0	2
APO1	8211		4	0	4	0	4	0	4	0	4	0	4
APO1	8215		2	0	2	0	2	0	2	0	2	0	2
APO2			20	0	20	0	20	0	20	0	20	0	20
APO2	8211		10	0	10	0	10	0	10	0	10	0	10
APO2	8211	8215	8	0	8	0	8	0	8	0	8	0	8
APO2	8215		4	0	4	0	4	0	4	0	4	0	4
APO3			2	0	2	0	2	0	2	0	2	0	2
APO3	8211		24	0	24	0	24	0	24	0	24	0	24
APO3	8211	8215	4	0	4	0	4	0	4	0	4	0	4
APOAN	8211		14	0	14	0	14	0	14	0	14	0	14
ATC	8376		1	0	1	0	1	0	1	0	1	0	1
AT1	6611	6609	1	0	1	0	1	0	1	0	1	0	1
AT1	8378		2	0	2	0	2	0	2	0	2	0	2
AT2	6688		1	0	1	0	1	0	1	0	1	0	1
AT2	8377		1	0	1	0	1	0	1	0	1	0	1
AT2	8378		2	0	2	0	2	0	2	0	2	0	2
AT3			3	0	3	0	3	0	3	0	3	0	3
AT3	6605	6612	1	0	1	0	1	0	1	0	1	0	1
AT3	8878		2	0	2	0	2	0	2	0	2	0	2
ATAN			3	0	3	0	3	0	3	0	3	0	3
ATAN	8878		2	0	2	0	2	0	2	0	2	0	2
AWCS	7872		1	0	1	0	1	0	1	0	1	0	1
AWC	7873		1	0	1	0	1	0	1	0	1	0	1
AW1			1	0	1	0	1	0	1	0	1	0	1
AW2	7873		1	0	1	0	1	0	1	0	1	0	1
AZ1			1	0	1	0	1	0	1	0	1	0	1
AZ2			4	0	4	0	4	0	4	0	4	0	4
AZ3			3	0	3	0	3	0	3	0	3	0	3
AZAN			1	0	1	0	1	0	1	0	1	0	1
DK2			6	0	6	0	6	0	6	0	6	0	6
DK3			2	0	2	0	2	0	2	0	2	0	2
HM2	8401		6	0	6	0	6	0	6	0	6	0	6
MS2			6	0	6	0	6	0	6	0	6	0	6

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY02 +/-	CFY02 CUM	FY03 +/-	FY03 CUM	FY04 +/-	FY04 CUM	FY05 +/-	FY05 CUM	FY06 +/-	FY06 CUM
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			1	0	1	0	1	0	1	0	1	0	1
PO2			2	0	2	0	2	0	2	0	2	0	2
PO3			1	0	1	0	1	0	1	0	1	0	1
PR2			4	0	4	0	4	0	4	0	4	0	4
YN2			3	0	3	0	3	0	3	0	3	0	3
YN3			2	0	2	0	2	0	2	0	2	0	2
YNSN			3	0	3	0	3	0	3	0	3	0	3
AN			85	0	85	0	85	0	85	0	85	0	85
TOTAL USN ENLISTED BILLETS:													
Operational			1959	5	1964	-2	1962	-13	1949	364	2313	0	2313
Fleet Support			102	0	102	0	102	0	102	0	102	0	102
Staff			99	0	99	25	124	0	124	0	124	0	124
Chargeable Student			0	15	15	1	16	11	27	8	35	-2	33
SELRES			353	0	353	0	353	0	353	0	353	0	353

c. OFFICER - USMC Not Applicable

d. ENLISTED - USMC Not Applicable

II.B. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: E-2C-3100, MH-60S Fleet Replacement Pilot Category I Pipeline
COURSE LENGTH: 20.4 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 0% **BACKOUT FACTOR:** 0.41

TRAINING		ACDU/TAR	CFY02		FY03		FY04		FY05		FY06	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
CRAW/CRAG HC-3 Coronado, NAS North Island												
	USN	ACDU	17		29		49		49		49	
		TAR	0		0		1		1		1	
		SELRES	0		0		1		1		1	
		TOTAL:	17		29		51		51		51	

CIN, COURSE TITLE: E-2C-3102, MH-60S Fleet Replacement Pilot Category II Pipeline
COURSE LENGTH: 17.0 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 0% **BACKOUT FACTOR:** 0.34

TRAINING		ACDU/TAR	CFY02		FY03		FY04		FY05		FY06	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
CRAW/CRAG HC-3 Coronado, NAS North Island												
	USN	ACDU	17		30		48		48		50	
		TAR	0		0		1		1		1	
		SELRES	0		0		1		1		1	
		TOTAL:	17		30		50		50		52	

CIN, COURSE TITLE: E-050-3100, CH-60S Fleet Replacement Aircrewman Category I Pipeline
COURSE LENGTH: 12.0 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.24

TRAINING		ACDU/TAR	CFY02		FY03		FY04		FY05		FY06	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
CRAW/CRAG HC-3 Coronado, NAS North Island												
	USN	ACDU		16		16		48		56		51
		TOTAL:		16		16		48		56		51

CIN, COURSE TITLE: E-050-3102, CH-60S Fleet Replacement Aircrewman Category II Pipeline
COURSE LENGTH: 10.0 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.20

TRAINING		ACDU/TAR	CFY02		FY03		FY04		FY05		FY06	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
HC-3 FRS, NAS North Island												
	USN	ACDU		10		10		31		31		31
		TOTAL:		10		10		31		31		31

II.B. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: D-600-0811, H-60 Non-Designated Airman
COURSE LENGTH: 3.4 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.07

TRAINING		ACDU/TAR	CFY02		FY03		FY04		FY05		FY06	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU XXXX NAMTRAU Norfolk												
	USN	ACDU		0		0		0		25		25
		TOTAL:		0		0		0		25		25

CIN, COURSE TITLE: E-600-0811, H-60 Non-Designated Airman
COURSE LENGTH: 3.4 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.07

TRAINING		ACDU/TAR	CFY02		FY03		FY04		FY05		FY06	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1022 NAMTRAU North Island												
	USN	ACDU		34		48		48		48		48
		TAR		0		0		2		2		2
		SELRES		0		0		3		3		3
		TOTAL:		34		48		53		53		53

CIN, COURSE TITLE: D-601-0813, H-60 Power Plants and Related Systems (Career) Organizational Maintenance
COURSE LENGTH: 2.4 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.05

TRAINING		ACDU/TAR	CFY02		FY03		FY04		FY05		FY06	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU XXXX NAMTRAU Norfolk												
	USN	ACDU		0		0		0		9		8
		TOTAL:		0		0		0		9		8

CIN, COURSE TITLE: E-601-0813, H-60 Power Plants and Related Systems (Career) Organizational Maintenance
COURSE LENGTH: 2.4 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.05

TRAINING		ACDU/TAR	CFY02		FY03		FY04		FY05		FY06	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1022 NAMTRAU North Island												
	USN	ACDU		8		8		8		8		8
		TOTAL:		8		8		8		8		8

II.B. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: D-602-0810, H-60 Power Plants and Related Systems (Initial) Organizational Maintenance
COURSE LENGTH: 5.4 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.11

TRAINING		ACDU/TAR	CFY02		FY03		FY04		FY05		FY06	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU XXXX NAMTRAU Norfolk												
	USN	ACDU		0		0		0		12		12
		TOTAL:		0		0		0		12		12

CIN, COURSE TITLE: E-602-0810, H-60 Power Plants and Related Systems (Initial) Organizational Maintenance
COURSE LENGTH: 5.4 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.11

TRAINING		ACDU/TAR	CFY02		FY03		FY04		FY05		FY06	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1022 NAMTRAU North Island												
	USN	ACDU		17		17		17		17		17
		TOTAL:		17		17		17		17		17

CIN, COURSE TITLE: D-602-0882, H-60 Airframes and Related Systems (Career) Organizational Maintenance
COURSE LENGTH: 2.2 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.04

TRAINING		ACDU/TAR	CFY02		FY03		FY04		FY05		FY06	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU XXXX NAMTRAU Norfolk												
	USN	ACDU		0		0		0		12		11
		TOTAL:		0		0		0		12		11

CIN, COURSE TITLE: E-602-0882, H-60 Airframes and Related Systems (Career) Organizational Maintenance
COURSE LENGTH: 2.2 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.04

TRAINING		ACDU/TAR	CFY02		FY03		FY04		FY05		FY06	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1022 NAMTRAU North Island												
	USN	ACDU		8		8		8		8		8
		TOTAL:		8		8		8		8		8

CIN, COURSE TITLE: D-602-0883, H-60 Airframes and Hydraulics Systems (Initial) Organizational Maintenance
COURSE LENGTH: 5.2 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.10

TRAINING		ACDU/TAR	CFY02		FY03		FY04		FY05		FY06	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU XXXX NAMTRAU Norfolk												
	USN	ACDU		0		0		0		14		14
		TOTAL:		0		0		0		14		14

II.B. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: E-602-0883, H-60 Airframes and Hydraulics Systems (Initial) Organizational Maintenance
COURSE LENGTH: 5.2 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.10

TRAINING		ACDU/TAR	CFY02		FY03		FY04		FY05		FY06	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1022 NAMTRAU North Island												
	USN	ACDU		18		18		18		18		18
		TOTAL:		18		18		18		18		18

CIN, COURSE TITLE: E-2C-3104, MH-60S Fleet Replacement Pilot Instructor Under Training
COURSE LENGTH: 7.6 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 0% **BACKOUT FACTOR:** 0.15

TRAINING		ACDU/TAR	CFY02		FY03		FY04		FY05		FY06	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
HC-3 FRS, NAS North Island												
	USN	ACDU	20		20		22		22		22	
		SELRES	0		0		0		0		0	
		TOTAL:	20		20		22		22		22	

CIN, COURSE TITLE: E-050-3104, MH-60S Fleet Replacement Aircrew Instructor Under Training
COURSE LENGTH: 0.0 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.00

TRAINING		ACDU/TAR	CFY02		FY03		FY04		FY05		FY06	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
HC-3 FRS, NAS North Island												
	USN	ACDU		6		6		6		7		6
		TOTAL:		6		6		6		7		6

CIN, COURSE TITLE: E-102-XXX1, MH-60S Electronics Systems (Initial) Organizational Maintenance
COURSE LENGTH: 8.2 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.16

TRAINING		ACDU/TAR	CFY02		FY03		FY04		FY05		FY06	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1022 NAMTRAU North Island												
	USN	ACDU		5		5		5		5		5
		TOTAL:		5		5		5		5		5

II.B. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: D-102-XXX2, MH-60S Electronics Systems (Career) Organizational Maintenance
COURSE LENGTH: 3.8 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.08

TRAINING		ACDU/TAR	CFY02		FY03		FY04		FY05		FY06	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU XXXX NAMTRAU Norfolk												
	USN	ACDU		0		0		0		3		2
		TOTAL:		0		0		0		3		2

CIN, COURSE TITLE: E-102-XXX2, MH-60S Electronics Systems (Career) Organizational Maintenance
COURSE LENGTH: 3.8 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.08

TRAINING		ACDU/TAR	CFY02		FY03		FY04		FY05		FY06	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1022 NAMTRAU North Island												
	USN	ACDU		3		7		5		3		3
		TOTAL:		3		7		5		3		3

CIN, COURSE TITLE: D-602-XXX1, MH-60S Electrical Systems (Initial) Organizational Maintenance
COURSE LENGTH: 12.4 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.25

TRAINING		ACDU/TAR	CFY02		FY03		FY04		FY05		FY06	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU XXXX NAMTRAU Norfolk												
	USN	ACDU		0		0		0		6		6
		TOTAL:		0		0		0		6		6

CIN, COURSE TITLE: E-602-XXX1, MH-60S Electrical Systems (Initial) Organizational Maintenance
COURSE LENGTH: 12.4 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.25

TRAINING		ACDU/TAR	CFY02		FY03		FY04		FY05		FY06	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1022 NAMTRAU North Island												
	USN	ACDU		11		11		11		11		11
		TOTAL:		11		11		11		11		11

CIN, COURSE TITLE: D-602-XXX2, MH-60S Electrical Systems (Career) Organizational Maintenance
COURSE LENGTH: 2.6 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.05

TRAINING		ACDU/TAR	CFY02		FY03		FY04		FY05		FY06	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU XXXX NAMTRAU Norfolk												
	USN	ACDU		0		0		0		4		4
		TOTAL:		0		0		0		4		4

II.B. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: E-602-XXX2, MH-60S Electrical Systems (Career) Organizational Maintenance
COURSE LENGTH: 2.6 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.05

TRAINING		ACDU/TAR	CFY02		FY03		FY04		FY05		FY06	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1022 NAMTRAU North Island												
	USN	ACDU		4		4		4		4		4
		TOTAL:		4		4		4		4		4

PART III - TRAINING REQUIREMENTS

The following elements are not affected by the MH-60S Multi-Mission 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.a. Existing Courses

III.A.3. Existing Training Phased Out

Note: Initial and Cadre Training of instructor pilots, aircrewman, and maintenance personnel is complete. No courses are termed "unique" though contractor services are providing much of the training until NAMTRA completes the development of new and modified MH-60S specific courses and approves its MH-60S curriculum.

PART III - TRAINING REQUIREMENTS

III.A.2. FOLLOW-ON TRAINING

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: E-2C-3100, MH-60S Fleet Replacement Pilot Category I Pipeline
TRAINING ACTIVITY: CRAW/CRAG HC-3 Coronado
LOCATION, UIC: NAS North Island, 42431

SOURCE: USN **STUDENT CATEGORY:** ACDU - TAR
Note: Actual FY02 and projected FY ATIR data provided by HC-3 and MH-60S FIT

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
34		51		62		79		58		ATIR
34		51		62		79		58		Output
13.2		19.8		24.1		30.7		22.6		AOB
13.2		19.8		24.1		30.7		22.6		Chargeable

SOURCE: USN **STUDENT CATEGORY:** SELRES

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0		0		1		1		1		ATIR
0		0		1		1		1		Output
0.0		0.0		0.4		0.4		0.4		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

CIN, COURSE TITLE: E-2C-3102, MH-60S Fleet Replacement Pilot Category II Pipeline
TRAINING ACTIVITY: CRAW/CRAG HC-3 Coronado
LOCATION, UIC: NAS North Island, 42431

SOURCE: USN **STUDENT CATEGORY:** ACDU - TAR
Note: Actual FY02 and projected FY ATIR data provided by HC-3 and MH-60S FIT

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
44		55		69		69		70		ATIR
44		55		69		69		70		Output
15.3		19.1		24		24		24.4		AOB
15.3		19.1		24		24		24.4		Chargeable

SOURCE: USN **STUDENT CATEGORY:** SELRES

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0		0		1		1		1		ATIR
0		0		1		1		1		Output
0.0		0.0		0.3		0.3		0.3		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: E-050-3100, CH-60S Fleet Replacement Aircrewman Category I Pipeline
TRAINING ACTIVITY: CRAW/CRAG HC-3 Coronado
LOCATION, UIC: NAS North Island, 42431

SOURCE: USN **STUDENT CATEGORY:** ACDU - TAR
Note: Actual FY02 and projected FY ATIR data provided by HC-3 and MH-60S FIT

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	51		42		91		91		67	ATIR
	45.9		37.8		81.9		81.9		60.3	Output
	11.5		15.5		20.6		20.6		15.2	AOB
	11.5		15.5		20.6		20.6		15.2	Chargeable

CIN, COURSE TITLE: E-050-3102, CH-60S Fleet Replacement Aircrewman Category II Pipeline
TRAINING ACTIVITY: HC-3 FRS
LOCATION, UIC: NAS North Island, 09822

SOURCE: USN **STUDENT CATEGORY:** ACDU - TAR
Note: Actual FY02 and projected FY ATIR data provided by HC-3 and MH-60S FIT

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	70		64		49		49		18	ATIR
	63		57.6		44.1		44.1		16.2	Output
	13		12.2		9.3		9.3		3.42	AOB
	13		12.2		9.3		9.3		3.42	Chargeable

CIN, COURSE TITLE: D-600-0811, H-60 Non-Designated Airman
TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC: NS Norfolk, 66046

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

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	0		0		0		25		25	ATIR
	0		0		0		23		23	Output
	0.0		0.0		0.0		1.5		1.5	AOB
	0.0		0.0		0.0		1.5		1.5	Chargeable

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: E-600-0811, H-60 Non-Designated Airman
TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC: NAS North Island, 66065

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

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
34		48		50		50		50		ATIR
31		43		45		45		45		Output
2.0		2.8		2.9		2.9		2.9		AOB
2.0		2.8		2.9		2.9		2.9		Chargeable

SOURCE: USN **STUDENT CATEGORY:** SELRES

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0		0		3		3		3		ATIR
0		0		3		3		3		Output
0.0		0.0		0.2		0.2		0.2		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

CIN, COURSE TITLE: D-601-0813, H-60 Power Plants and Related Systems (Career) Organizational Maintenance
TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC: NAS Norfolk, 66046

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

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0		0		0		9		8		ATIR
0		0		0		8		7		Output
0.0		0.0		0.0		0.4		0.3		AOB
0.0		0.0		0.0		0.4		0.3		Chargeable

CIN, COURSE TITLE: E-601-0813, H-60 Power Plants and Related Systems (Career) Organizational Maintenance
TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC: NAS North Island, 66065

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

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
8		8		8		8		8		ATIR
7		7		7		7		7		Output
0.3		0.3		0.3		0.3		0.3		AOB
0.3		0.3		0.3		0.3		0.3		Chargeable

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-602-0810, H-60 Power Plants and Related Systems (Initial) Organizational Maintenance
TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC: NAS Norfolk, 66046

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

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	0		0		0		12		12	ATIR
	0		0		0		11		11	Output
	0.0		0.0		0.0		1.2		1.2	AOB
	0.0		0.0		0.0		1.2		1.2	Chargeable

CIN, COURSE TITLE: E-602-0810, H-60 Power Plants and Related Systems (Initial) Organizational Maintenance
TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC: NAS North Island, 66065

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

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	17		17		17		17		17	ATIR
	15		15		15		15		15	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-602-0882, H-60 Airframes and Related Systems (Career) Organizational Maintenance
TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC: NAS Norfolk, 66046

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

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	0		0		0		12		11	ATIR
	0		0		0		11		10	Output
	0.0		0.0		0.0		0.5		0.4	AOB
	0.0		0.0		0.0		0.5		0.4	Chargeable

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: E-602-0882, H-60 Airframes and Related Systems (Career) Organizational Maintenance
TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC: NAS North Island, 66065

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

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	8		8		8		8		8	ATIR
	7		7		7		7		7	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-602-0883, H-60 Airframes and Hydraulics Systems (Initial) Organizational Maintenance
TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC: NAS Norfolk, 66046

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

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	0		0		0		14		14	ATIR
	0		0		0		13		13	Output
	0.0		0.0		0.0		1.3		1.3	AOB
	0.0		0.0		0.0		1.3		1.3	Chargeable

CIN, COURSE TITLE: E-602-0883, H-60 Airframes and Hydraulics Systems (Initial) Organizational Maintenance
TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC: NAS North Island, 66065

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

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	18		18		18		18		18	ATIR
	16		16		16		16		16	Output
	1.7		1.7		1.7		1.7		1.7	AOB
	1.7		1.7		1.7		1.7		1.7	Chargeable

III.A.2.b. PLANNED COURSES

CIN, COURSE TITLE: E-2C-3104, MH-60S Fleet Replacement Pilot Instructor Under Training
TRAINING ACTIVITY: HC-3 FRS
LOCATION, UIC: NAS North Island, 09822

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

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
20		20		22		22		22		ATIR
20		20		22		22		22		Output
2.8		2.8		3.1		3.1		3.1		AOB
2.8		2.8		3.1		3.1		3.1		Chargeable

SOURCE: USN **STUDENT CATEGORY:** SELRES

CFY02		FY03		FY04		FY05		FY06		
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: E-050-3104, MH-60S Fleet Replacement Aircrew Instructor Under Training
TRAINING ACTIVITY: HC-3 FRS
LOCATION, UIC: NAS North Island, 09822

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

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
6		6		6		7		6		ATIR
5		5		5		6		5		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: E-102-XXX1, MH-60S Electronics Systems (Initial) Organizational Maintenance
TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC: NAS North Island, 66065

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

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
5		5		5		5		5		ATIR
5		5		5		5		5		Output
0.7		0.7		0.7		0.7		0.7		AOB
0.7		0.7		0.7		0.7		0.7		Chargeable

III.A.2.b. PLANNED COURSES

CIN, COURSE TITLE: D-102-XXX2, MH-60S Electronics Systems (Career) Organizational Maintenance
TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC: NAS Norfolk, 66046

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

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0		0		0		3		2		ATIR
0		0		0		3		2		Output
0.0		0.0		0.0		0.2		0.1		AOB
0.0		0.0		0.0		0.2		0.1		Chargeable

CIN, COURSE TITLE: E-102-XXX2, MH-60S Electronics Systems (Career) Organizational Maintenance
TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC: NAS North Island, 66065

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

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
3		7		5		3		3		ATIR
3		6		5		3		3		Output
0.2		0.5		0.3		0.2		0.2		AOB
0.2		0.5		0.3		0.2		0.2		Chargeable

CIN, COURSE TITLE: D-602-XXX1, MH-60S Electrical Systems (Initial) Organizational Maintenance
TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC: NAS Norfolk, 66046

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

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0		0		0		6		6		ATIR
0		0		0		5		5		Output
0.0		0.0		0.0		1.3		1.3		AOB
0.0		0.0		0.0		1.3		1.3		Chargeable

III.A.2.b. PLANNED COURSES

CIN, COURSE TITLE: E-602-XXX1, MH-60S Electrical Systems (Initial) Organizational Maintenance
TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC: NAS North Island, 66065

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

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	11		11		11		11		11	ATIR
	10		10		10		10		10	Output
	2.5		2.5		2.5		2.5		2.5	AOB
	2.5		2.5		2.5		2.5		2.5	Chargeable

CIN, COURSE TITLE: D-602-XXX2, MH-60S Electrical Systems (Career) Organizational Maintenance
TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC: NAS Norfolk, 66046

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

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	0		0		0		4		4	ATIR
	0		0		0		4		4	Output
	0.0		0.0		0.0		0.2		0.2	AOB
	0.0		0.0		0.0		0.2		0.2	Chargeable

CIN, COURSE TITLE: E-602-XXX2, MH-60S Electrical Systems (Career) Organizational Maintenance
TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC: NAS North Island, 66065

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

CFY02		FY03		FY04		FY05		FY06		
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

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

The following elements are not affected by the MH-60S Multi-Mission Helicopter and, therefore, are not included in Part IV of this NTSP:

IV.B. Courseware Requirements

IV.C. Facility Requirements

- IV.C.1. Facility Requirements Summary (Space/Support) by Activity
- IV.C.2. Facility Requirements Detailed by Activity and Course
- IV.C.3. Facility Project Summary by Program

Note 1: Data solicited from NAMTRA HQ on training facilities was not available in the Navy Training Management Planning System (NTMPS). Future updates to this NTSP will include the information on training facilities as information is provided.

Note 2: At the publishing time of this NTSP, Mayport training device information is not included due to Mayport's primary designation as a MH-60R training site.

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

IV.A. TRAINING HARDWARE

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

CIN, COURSE TITLE: D-600-0811, H-60 Non-Designated Airman
TRAINING ACTIVITY: MTU 1005 NAMTRAU
LOCATION, UIC: NAS Jacksonville, 66051

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR	QTY REQD	DATE REQD	GFE CFE	STATUS
GPTE					
0001	Test Set Blade Fold TTU-4	1	Nov 96	GFE	Onboard

CIN, COURSE TITLE: D-600-0811, H-60 Non-Designated Airman
TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC: NAS Norfolk, 66046

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR	QTY REQD	DATE REQD	GFE CFE	STATUS
GPTE					
0001	Test Set Blade Fold TTU-4	1	Apr 01	GFE	Pending

CIN, COURSE TITLE: E-600-0811, H-60 Non-Designated Airman
TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC: NAS North Island, 66065

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR	QTY REQD	DATE REQD	GFE CFE	STATUS
GPTE					
0001	Test Set Blade Fold TTU-4	1	Jun 96	GFE	Onboard

CIN, COURSE TITLE: D-601-0813, H-60 Power Plants and Related Systems (Career) Organizational Maintenance
TRAINING ACTIVITY: MTU 1005 NAMTRAU
LOCATION, UIC: NAS Jacksonville, 66051

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
0015	Shipboard Stand	1	Nov 96	GFE	Onboard
0016	Main Rotorhead Removal Set	1	Nov 96	GFE	Onboard

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

0017	Adapter Main/Tail Rotor	1	Nov 96	GFE	Onboard
0018	Transportation Adapter	1	Nov 96	GFE	Onboard
0019	Cart Adapter	1	Nov 96	GFE	Onboard
0020	Transport Cart	1	Nov 96	GFE	Onboard
GPTE					
0001	Test Set Blade Fold TTU-4	1	Nov 96	GFE	Onboard
0004	VATS Main Processor A/E37T-32	1	Nov 96	GFE	Onboard
SPTE					
0030	AP 36T-7 Set, Rigid Borescope	1	Nov 96	GFE	Onboard

CIN, COURSE TITLE: D-601-0813, H-60 Power Plants and Related Systems (Career) Organizational Maintenance
TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC: NAS Norfolk, 66046

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
0015	Shipboard Stand	1	Apr 01	GFE	Pending
0016	Main Rotorhead Removal Set	1	Apr 01	GFE	Pending
0017	Adapter Main/Tail Rotor	1	Apr 01	GFE	Pending
0018	Transportation Adapter	1	Apr 01	GFE	Pending
0019	Cart Adapter	1	Apr 01	GFE	Pending
0020	Transport Cart	1	Apr 01	GFE	Pending
GPTE					
0001	Test Set Blade Fold TTU-4	1	Apr 01	GFE	Pending
0004	VATS Main Processor A/E37T-32	1	Apr 01	GFE	Pending
SPTE					
0030	AP 36T-7 Set, Rigid Borescope	1	Apr 01	GFE	Pending

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

CIN, COURSE TITLE: E-601-0813, H-60 Power Plants and Related Systems (Career) Organizational Maintenance
TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC: NAS North Island, 66065

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
0015	Shipboard Stand	1	Nov 96	GFE	Onboard
0016	Main Rotorhead Removal Set	1	Nov 96	GFE	Onboard
0017	Adapter Main/Tail Rotor	1	Nov 96	GFE	Onboard
0018	Transportation Adapter	1	Nov 96	GFE	Onboard
0019	Cart Adapter	1	Nov 96	GFE	Onboard
0020	Transport Cart	1	Nov 96	GFE	Onboard
GPTE					
0001	Test Set Blade Fold TTU-4	1	Nov 96	GFE	Onboard
0004	VATS Main Processor A/E37T-32	1	Nov 96	GFE	Onboard
SPTE					
0030	AP 36T-7 Set, Rigid Borescope	1	Nov 96	GFE	Onboard

CIN, COURSE TITLE: D-602-0810, H-60 Power Plants and Related Systems (Initial) Organizational Maintenance
TRAINING ACTIVITY: MTU 1005 NAMTRAU
LOCATION, UIC: NAS Jacksonville, 66051

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
0015	Shipboard Stand	1	Nov 96	GFE	Onboard
0016	Main Rotorhead Removal Set	1	Nov 96	GFE	Onboard
0017	Adapter Main/Tail Rotor	1	Nov 96	GFE	Onboard
0018	Transportation Adapter	1	Nov 96	GFE	Onboard
0019	Cart Adapter	1	Nov 96	GFE	Onboard
0020	Transport Cart	1	Nov 96	GFE	Onboard

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

GPTE					
0001	Test Set Blade Fold TTU-4	1	Nov 96	GFE	Onboard
0004	VATS Main Processor A/E37T-32	1	Nov 96	GFE	Onboard
SPTE					
0030	AP 36T-7 Set, Rigid Borescope	1	Nov 96	GFE	Onboard

CIN, COURSE TITLE: D-602-0810, H-60 Power Plants and Related Systems (Initial) Organizational Maintenance
TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC: NAS Norfolk, 66046

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
0015	Shipboard Stand	1	Apr 01	GFE	Pending
0016	Main Rotorhead Removal Set	1	Apr 01	GFE	Pending
0017	Adapter Main/Tail Rotor	1	Apr 01	GFE	Pending
0018	Transportation Adapter	1	Apr 01	GFE	Pending
0019	Cart Adapter	1	Apr 01	GFE	Pending
0020	Transport Cart	1	Apr 01	GFE	Onboard
GPTE					
0001	Test Set Blade Fold TTU-4	1	Apr 01	GFE	Onboard
0004	VATS Main Processor A/E37T-32	1	Apr 01	GFE	Onboard
SPTE					
0030	AP 36T-7 Set, Rigid Borescope	1	Apr 01	GFE	Onboard

CIN, COURSE TITLE: E-602-0810, H-60 Power Plants and Related Systems (Initial) Organizational Maintenance
TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC: NAS North Island, 66065

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
0015	Shipboard Stand	1	Nov 96	GFE	Onboard
0016	Main Rotorhead Removal Set	1	Nov 96	GFE	Onboard

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

0017	Adapter Main/Tail Rotor	1	Nov 96	GFE	Onboard
0018	Transportation Adapter	1	Nov 96	GFE	Onboard
0019	Cart Adapter	1	Nov 96	GFE	Onboard
0020	Transport Cart	1	Nov 96	GFE	Onboard
GPTE					
0001	Test Set Blade Fold TTU-4	1	Nov 96	GFE	Onboard
0004	VATS Main Processor A/E37T-32	1	Nov 96	GFE	Onboard
SPTE					
0030	AP 36T-7 Set, Rigid Borescope	1	Nov 96	GFE	Onboard

CIN, COURSE TITLE: D-602-0882, H-60 Airframes and Related Systems (Career) Organizational Maintenance
TRAINING ACTIVITY: MTU 1005 NAMTRAU
LOCATION, UIC: NAS Jacksonville, 66051

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR	QTY REQD	DATE REQD	GFE CFE	STATUS
ST					
0053	Rigging Kit	1	Nov 96	GFE	Onboard
0054	Bushing Installation/Removal Tool Set	1	Dec 96	GFE	Onboard

CIN, COURSE TITLE: D-602-0882, H-60 Airframes and Related Systems (Career) Organizational Maintenance
TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC: NAS Norfolk, 66046

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR	QTY REQD	DATE REQD	GFE CFE	STATUS
ST					
0053	Rigging Kit	1	Apr 01	GFE	Pending
0054	Bushing Installation/Removal Tool Set	1	Apr 01	GFE	Pending

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

CIN, COURSE TITLE: E-602-0882, H-60 Airframes and Related Systems (Career) Organizational Maintenance
TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC: NAS North Island, 66065

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR	QTY REQD	DATE REQD	GFE CFE	STATUS
ST					
0053	Rigging Kit	1	Nov 96	GFE	Onboard
0054	Bushing Installation/Removal Tool Set	1	Dec 96	GFE	Onboard

CIN, COURSE TITLE: D-602-0883, H-60 Airframes and Hydraulics Systems (Initial) Organizational Maintenance
TRAINING ACTIVITY: MTU 1005 NAMTRAU
LOCATION, UIC: NAS Jacksonville, 66051

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR	QTY REQD	DATE REQD	GFE CFE	STATUS
ST					
0053	Rigging Kit	1	Nov 96	GFE	Onboard
0054	Bushing Installation/Removal Tool Set	1	Dec 96	GFE	Onboard
0055	Strut Assembly Pylon Fold	1	Jul 96	GFE	Onboard
0056	Pole Assembly Manual Pylon Fold	1	Jul 96	GFE	Onboard
0057	Valve Assembly, Rotor Bleed	1	Jul 96	GFE	Onboard
0058	Restrainer Assembly, MRH Damper	1	Jul 96	GFE	Onboard
0059	Blade Check and Fill Assembly	1	Jul 96	GFE	Onboard

CIN, COURSE TITLE: D-602-0883, H-60 Airframes and Hydraulics Systems (Initial) Organizational Maintenance
TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC: NAS Norfolk, 66046

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR	QTY REQD	DATE REQD	GFE CFE	STATUS
ST					
0053	Rigging Kit	1	Apr 01	GFE	Pending
0054	Bushing Installation/Removal Tool Set	1	Apr 01	GFE	Pending
0055	Strut Assembly Pylon Fold	1	Apr 01	GFE	Pending

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

0056	Pole Assembly Manual Pylon Fold	1	Apr 01	GFE	Pending
0057	Valve Assembly, Rotor Bleed	1	Apr 01	GFE	Pending
0058	Restrainer Assembly, MRH Damper	1	Apr 01	GFE	Pending
0059	Blade Check and Fill Assembly	1	Apr 01	GFE	Pending

CIN, COURSE TITLE: E-602-0883, H-60 Airframes and Hydraulics Systems (Initial) Organizational Maintenance
TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC: NAS North Island, 66065

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR	QTY REQD	DATE REQD	GFE CFE	STATUS
ST					
0053	Rigging Kit	1	Nov 96	GFE	Onboard
0054	Bushing Installation/Removal Tool Set	1	Dec 96	GFE	Onboard
0055	Strut Assembly Pylon Fold	1	Jul 96	GFE	Onboard
0056	Pole Assembly Manual Pylon Fold	1	Jul 96	GFE	Onboard
0057	Valve Assembly, Rotor Bleed	1	Jul 96	GFE	Onboard
0058	Restrainer Assembly, MRH Damper	1	Jul 96	GFE	Onboard
0059	Blade Check and Fill Assembly	1	Jul 96	GFE	Onboard

CIN, COURSE TITLE: D-602-XXX1, MH-60S Electrical Systems (Initial) Organizational Maintenance
TRAINING ACTIVITY: MTU 1005 NAMTRAU
LOCATION, UIC: NAS Jacksonville, 66051

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR	QTY REQD	DATE REQD	GFE CFE	STATUS
GPTE					
0001	Test Set Blade Fold TTU-4	1	Jun 96	GFE	Onboard
0002	Stabilator/SAS Line Test Set	1	Dec 96	GFE	Onboard
0003	TTU-205C/E Test Set	1	Dec 96	GFE	Onboard
ST					
0050	Stabilator Rigging Assembly	1	Dec 96	GFE	Onboard

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

0051	Fixture Handling Radar	1	Dec 96	GFE	Onboard
0052	Cable Angle Sensor	1	Dec 97	GFE	Onboard
GPETE					
0070	Digital Multimeter	1	Dec 96	GFE	Onboard
0071	TTU-378E Test Set Indicator	1	Dec 96	GFE	Onboard
0073	Magnetic Compass Calibration Test Set	1	Dec 97	GFE	Onboard
SPETE					
0090	Blade De-ice Test Kit	1	Jan 97	GFE	Onboard
0091	APU Test Set	1	Dec 97	GFE	Onboard

CIN, COURSE TITLE: D-602-XXX1, MH-60S Electrical Systems (Initial) Organizational Maintenance
TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC: NAS Norfolk, 66046

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR	QTY REQD	DATE REQD	GFE CFE	STATUS
GPTE					
0001	Test Set Blade Fold TTU-4	1	Apr 01	GFE	Pending
0002	Stabilator/SAS Line Test Set	1	Apr 01	GFE	Pending
0003	TTU-205C/E Test Set	1	Apr 01	GFE	Pending
ST					
0050	Stabilator Rigging Assembly	1	Apr 01	GFE	Pending
0051	Fixture Handling Radar	1	Apr 01	GFE	Pending
0052	Cable Angle Sensor	1	Apr 01	GFE	Pending
GPETE					
0070	Digital Multimeter	1	Apr 01	GFE	Pending
0071	TTU-378E Test Set Indicator	1	Apr 01	GFE	Pending
0073	Magnetic Compass Calibration Test Set	1	Apr 01	GFE	Pending
SPETE					
0090	Blade De-ice Test Kit	1	Apr 01	GFE	Pending
0091	APU Test Set	1	Apr 01	GFE	Pending

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

CIN, COURSE TITLE: E-602-XXX1, MH-60S Electrical Systems (Initial) Organizational Maintenance
TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC: NAS North Island, 66065

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR	QTY REQD	DATE REQD	GFE CFE	STATUS
GPTE					
0001	Test Set Blade Fold TTU-4	1	Jun 96	GFE	Onboard
0002	Stabilator/SAS Line Test Set	1	Dec 96	GFE	Onboard
0003	TTU-205C/E Test Set	1	Dec 96	GFE	Onboard
ST					
0050	Stabilator Rigging Assembly	1	Dec 96	GFE	Onboard
0051	Fixture Handling Radar	1	Dec 96	GFE	Onboard
0052	Cable Angle Sensor	1	Dec 97	GFE	Onboard
GPETE					
0070	Digital Multimeter	1	Dec 96	GFE	Onboard
0071	TTU-378E Test Set Indicator	1	Dec 96	GFE	Onboard
0073	Magnetic Compass Calibration Test Set	1	Dec 97	GFE	Onboard
SPETE					
0090	Blade De-ice Test Kit	1	Jan 97	GFE	Onboard
0091	APU Test Set	1	Dec 97	GFE	Onboard

CIN, COURSE TITLE: D-602-XXX2, MH-60S Electrical Systems (Career) Organizational Maintenance
TRAINING ACTIVITY: MTU 1005 NAMTRAU
LOCATION, UIC: NAS Jacksonville, 66051

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR	QTY REQD	DATE REQD	GFE CFE	STATUS
GPTE					
0001	Test Set Blade Fold TTU-4	1	Jun 96	GFE	Onboard
0002	Stabilator/SAS Line Test Set	1	Dec 96	GFE	Onboard
0003	TTU-205C/E Test Set	1	Nov 96	GFE	Onboard

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

ST					
0050	Stabilator Rigging Assembly	1	Dec 96	GFE	Onboard
0051	Fixture Handling Radar	1	Dec 96	GFE	Onboard
GPETE					
0070	Digital Multimeter	1	Dec 96	GFE	Onboard
0071	TTU-378E Test Set Indicator	1	Dec 96	GFE	Onboard
0072	Electronic System Test Set	1	Dec 97	GFE	Onboard

CIN, COURSE TITLE: D-602-XXX2, MH-60S Electrical Systems (Career) Organizational Maintenance
TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC: NAS Norfolk, 66046

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR	QTY REQD	DATE REQD	GFE CFE	STATUS
GPTE					
0001	Test Set Blade Fold TTU-4	1	Apr 01	GFE	Onboard
0002	Stabilator/SAS Line Test Set	1	Apr 01	GFE	Onboard
0003	TTU-205C/E Test Set	1	Apr 01	GFE	Pending
ST					
0050	Stabilator Rigging Assembly	1	Apr 01	GFE	Pending
0051	Fixture Handling Radar	1	Apr 01	GFE	Pending
GPETE					
0070	Digital Multimeter	1	Apr 01	GFE	Pending
0071	TTU-378E Test Set Indicator	1	Apr 01	GFE	Pending
0072	Electronic System Test Set	1	Apr 01	GFE	Pending

CIN, COURSE TITLE: E-602-XXX2, MH-60S Electrical Systems (Career) Organizational Maintenance
TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC: NAS North Island, 66065

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR	QTY REQD	DATE REQD	GFE CFE	STATUS
GPTE					
0001	Test Set Blade Fold TTU-4	1	Jun 96	GFE	Onboard

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

0002	Stabilator/SAS Line Test Set	1	Dec 96	GFE	Onboard
0003	TTU-205C/E Test Set	1	Nov 96	GFE	Onboard
ST					
0050	Stabilator Rigging Assembly	1	Dec 96	GFE	Onboard
0051	Fixture Handling Radar	1	Dec 96	GFE	Onboard
GPETE					
0070	Digital Multimeter	1	Dec 96	GFE	Onboard
0071	TTU-378E Test Set Indicator	1	Dec 96	GFE	Onboard
0072	Electronic System Test Set	1	Dec 97	GFE	Onboard

IV.A.2. TRAINING DEVICES

DEVICE: Tactical Operational Flight Trainer
DESCRIPTION: The MH-60S Tactical Operational Flight Trainer (TOFT) will be a non-motion based flight simulator that supports pilot and co-pilot tactics, navigation, equipment malfunctions, communications, aircrew (pilot and co-pilot) coordination, and emergency procedures training. The visual system will include a day-night image generator, databases, and night vision device compatibility. When the TOFT is linked to a MH-60S WTT, that combination then becomes a Weapons System Trainer (WST). The WST will be utilized for total aircrew (pilot, co-pilot, and aircrewman) coordination and weapon system training.
MANUFACTURER: Lockheed Martin Corporation
CONTRACT NUMBER: TBD
TEE STATUS: Pending

TRAINING ACTIVITY: HC-X FRS
LOCATION, UIC : NS Norfolk, 00000

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Jun 05	Jun 05	Pending	E-2C-3101 (Track E-2C-3100) E-2C-3103 (Track E-2C-3102) E-050-3101 (Track E-050-3100) E-050-3103 (Track E-050-3102) E-2C-3104 E-050-3104
1	Dec 05	Dec 05	Pending	E-2C-3101 (Track E-2C-3100) E-2C-3103 (Track E-2C-3102) E-050-3101 (Track E-050-3100) E-050-3103 (Track E-050-3102) E-2C-3104 E-050-3104
1	Oct 06	Oct 06	Pending	E-2C-3101 (Track E-2C-3100) E-2C-3103 (Track E-2C-3102) E-050-3101 (Track E-050-3100) E-050-3103 (Track E-050-3102) E-2C-3104 E-050-3104
1	Oct 07	Oct 07	Pending	E-2C-3101 (Track E-2C-3100) E-2C-3103 (Track E-2C-3102) E-050-3101 (Track E-050-3100) E-050-3103 (Track E-050-3102) E-2C-3104 E-050-3104
1	Oct 08	Oct 08	Pending	E-2C-3101 (Track E-2C-3100) E-2C-3103 (Track E-2C-3102) E-050-3101 (Track E-050-3100) E-050-3103 (Track E-050-3102) E-2C-3104 E-050-3104

IV.A.2. TRAINING DEVICES

TRAINING ACTIVITY: CRAW/CRAG HC-3 Coronado
LOCATION, UIC : NAS North Island, 42431

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Sep 00	Jan 02	Onboard	E-2C-3101 (Track E-2C-3100) E-2C-3103 (Track E-2C-3102) E-050-3101 (Track E-050-3100) E-050-3103 (Track E-050-3102) E-2C-3104 E-050-3104
1	Apr 04	Apr 04	Pending	E-2C-3101 (Track E-2C-3100) E-2C-3103 (Track E-2C-3102) E-050-3101 (Track E-050-3100) E-050-3103 (Track E-050-3102) E-2C-3104 E-050-3104
1	Oct 05	Oct 05	Pending	E-2C-3101 (Track E-2C-3100) E-2C-3103 (Track E-2C-3102) E-050-3101 (Track E-050-3100) E-050-3103 (Track E-050-3102) E-2C-3104 E-050-3104
1	Oct 08	Oct 08	Pending	E-2C-3101 (Track E-2C-3100) E-2C-3103 (Track E-2C-3102) E-050-3101 (Track E-050-3100) E-050-3103 (Track E-050-3102) E-2C-3104 E-050-3104

IV.A.2. TRAINING DEVICES

DEVICE: MH-60 AFCS Maintenance Trainer
DESCRIPTION: The MH-60S Automated Flight Control System (AFCS) Maintenance Trainer consists of a single training unit. The training device is used to instruct and provide practical experience in the maintenance and adjustments of the AFCS using the applicable support equipment in accordance with the applicable manuals. The AFCS training device requires modification to include electrical functionality for the MH-60S.
MANUFACTURER: Sikorsky Aircraft Division
CONTRACT NUMBER: NA
TEE STATUS: NA

TRAINING ACTIVITY: MTU 1005 NAMTRAU
LOCATION, UIC : NAS Jacksonville, 66051

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Jan 01	Jan 01	Onboard	C-602-XXX1 (Track D-602-XXX1) C-602-XXX2 (Track D-602-XXX2)

TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC : NAS Norfolk, 66046

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Oct 04	TBD	Pending	C-602-XXX1 (Track D-602-XXX1) C-602-XXX2 (Track D-602-XXX2)

TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC : NAS North Island, 66065

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
2	Jan 01	Jan 01	Onboard	C-602-XXX1 (Track E-602-XXX1) C-602-XXX2 (Track E-602-XXX2)

IV.A.2. TRAINING DEVICES

DEVICE: MH-60 Avionics Maintenance Trainer (AMT)
DESCRIPTION: The MH-60 Avionics Maintenance Trainer (AMT) will provide for training the AEs and ATs to maintain the MH-60S avionics systems. The AMT will consist of an actual H-60 airframe extending from the cockpit to the transition section with "simulated form-fit-feel" avionics components capable of displaying faults via Instructor insertion. It will also be provisioned with a diagnostic IETM troubleshooting capability. The MH-60S AMT will be a newly manufactured training device.
MANUFACTURER: LMSI-0
CONTRACT NUMBER: Pending
TEE STATUS: Pending

TRAINING ACTIVITY: MTU 1066 NAMTRAGRU Det
LOCATION, UIC : NS Mayport, 39470

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Apr 06	Apr 06	Pending	C-102-XXX1 (Track D-102-0828) C-102-XXX2 (Track D-102-XXX2) C-602-XXX1 (Track D-602-XXX1) C-602-XXX2 (Track D-602-XXX2)

TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC : NAS Norfolk, 66046

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Oct 04	Jul 04	Pending	C-102-XXX1 (Track D-102-0828) C-102-XXX2 (Track D-102-XXX2) C-602-XXX1 (Track D-602-XXX1) C-602-XXX2 (Track D-602-XXX2)

TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC : NAS North Island, 66065

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Nov 02	Nov 02	Pending	C-102-XXX1 (Track E-102-XXX1) C-102-XXX2 (Track E-102-XXX2) C-602-XXX1 (Track D-602-XXX1) C-602-XXX2 (Track E-602-XXX2)

IV.A.2. TRAINING DEVICES

DEVICE: MH-60 Composite Maintenance Trainer
DESCRIPTION: The MH-60S Composite Maintenance Trainer is used to instruct, demonstrate malfunctions, and provide practical experience in the maintenance and adjustment of MH-60 systems. The Composite Maintenance Trainer will require a modification to the Vibration Adsorber and AE systems for the MH-60S.
MANUFACTURER: Sikorsky Aircraft Division
CONTRACT NUMBER: NA
TEE STATUS: NA

TRAINING ACTIVITY: MTU 1005 NAMTRAU
LOCATION, UIC : NAS Jacksonville, 66051

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Jan 01	Jan 01	Onboard	C-601-9407 (Track D-601-0813) C-601-9408 (Track D-602-0810) C-603-9407 (Track D-602-0882) C-603-9408 (Track D-602-0883) C-602-XXX1 (Track D-602-XXX1) C-602-XXX2 (Track D-602-XXX2)

TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC : NAS Norfolk, 66046

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Oct 04	TBD	Pending	C-601-9407 (Track D-601-0813) C-601-9408 (Track D-602-0810) C-603-9407 (Track D-602-0882) C-603-9408 (Track D-602-0883) C-602-XXX1 (Track D-602-XXX1) C-602-XXX2 (Track D-602-XXX2)

TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC : NAS North Island, 66065

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
2	Jan 01	Jan 01	Onboard	C-601-9407 (Track E-601-0813) C-601-9408 (Track E-602-0810) C-603-9407 (Track E-602-0882) C-603-9408 (Track E-602-0883) C-602-XXX1 (Track E-602-XXX1) C-602-XXX2 (Track E-602-XXX2)

IV.A.2. TRAINING DEVICES

DEVICE: MH-60 Landing Gear Trainer
DESCRIPTION: The MH-60 Landing Gear Trainer contains mechanical, hydraulic, and electrical elements related to the landing gear, wheel brake, and floatation systems. Modification will be required to support MH-60S training.
MANUFACTURER: Sikorsky Aircraft Division
CONTRACT NUMBER: NA
TEE STATUS: NA

TRAINING ACTIVITY: MTU 1005 NAMTRAU
LOCATION, UIC : NAS Jacksonville, 66051

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Jan 01	Jan 01	Onboard	C-603-9407 (Track D-602-0882) C-603-9408 (Track D-602-0883) C-602-XXX1 (Track D-602-XXX1) C-602-XXX2 (Track D-602-XXX2)

TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC : NAS Norfolk, 66046

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Oct 04	TBD	Pending	C-603-9407 (Track D-602-0882) C-603-9408 (Track D-602-0883) C-602-XXX1 (Track D-602-XXX1) C-602-XXX2 (Track D-602-XXX2)

TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC : NAS North Island, 66065

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
2	Jan 01	Jan 01	Onboard	C-603-9407 (Track E-602-0882) C-603-9408 (Track E-602-0883) C-602-XXX1 (Track E-602-XXX1) C-602-XXX2 (Track E-602-XXX2)

IV.A.2. TRAINING DEVICES

DEVICE: MH-60 Main Rotor Blade/BIM Service Trainer
DESCRIPTION: The MH-60 Rotor Blade/BIM Maintenance Trainer consists of a stand containing a simulated spindle and a foreshortened H-60 rotor blade. The rotor blade contains an operational blade inspection. No modifications will be required to support MH-60S training.
MANUFACTURER: Sikorsky Aircraft Division
CONTRACT NUMBER: NA
TEE STATUS: NA

TRAINING ACTIVITY: MTU 1005 NAMTRAU
LOCATION, UIC : NAS Jacksonville, 66051

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Jan 01	Jan 01	Onboard	C-601-9407 (Track D-601-0813) C-601-9408 (Track D-602-0810) C-603-9407 (Track D-602-0882) C-603-9408 (Track D-602-0883)

TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC : NAS Norfolk, 66046

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Oct 04	TBD	Pending	C-601-9407 (Track D-601-0813) C-601-9408 (Track D-602-0810) C-603-9407 (Track D-602-0882) C-603-9408 (Track D-602-0883)

TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC : NAS North Island, 66065

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
2	Jan 01	Jan 01	Pending	C-601-9407 (Track D-601-0813) C-601-9408 (Track E-602-0810) C-603-9407 (Track E-602-0882) C-603-9408 (Track D-602-0883)

IV.A.2. TRAINING DEVICES

DEVICE: MH-60 RAST/Tailwheel/Hoist Maintenance Trainer
DESCRIPTION: The MH-60 Recovery, Assist, Secure, and Traversing (RAST)/Tailwheel/Hoist Maintenance Trainer contains mechanical, hydraulic, and electrical elements related to the MH-60 RAST, Tailwheel, and Rescue Hoist systems. Rear tail wheel, shock absorber, and other modifications will be required to support MH-60S training.
MANUFACTURER: Sikorsky Aircraft Division
CONTRACT NUMBER: NA
TEE STATUS: NA

TRAINING ACTIVITY: MTU 1005 NAMTRAU
LOCATION, UIC : NAS Jacksonville, 66051

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Jan 01	Jan 01	Onboard	C-603-9407 (Track D-602-0882) C-603-9408 (Track D-602-0883) C-602-XXX1 (Track D-602-XXX1) C-602-XXX2 (Track D-602-XXX2)

TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC : NAS Norfolk, 66046

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Oct 04	TBD	Pending	C-603-9407 (Track D-602-0882) C-603-9408 (Track D-602-0883) C-602-XXX1 (Track D-602-XXX1) C-602-XXX2 (Track D-602-XXX2)

TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC : NAS North Island, 66065

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
2	Jan 01	Jan 01	Onboard	C-603-9407 (Track E-602-0882) C-603-9408 (Track E-602-0883) C-602-XXX1 (Track E-602-XXX1) C-602-XXX2 (Track E-602-XXX2)

IV.A.2. TRAINING DEVICES

DEVICE: MH-60 Starboard Engine Trainer
DESCRIPTION: The MH-60 Starboard Engine Trainer is used to demonstrate engine set-up, installation, removal, and control system adjustments using the applicable support equipment in accordance with the applicable maintenance manuals. Actual related systems were used in the design and manufacture of the training device. No modifications are anticipated for support of MH-60S training.
MANUFACTURER: Sikorsky Aircraft Division
CONTRACT NUMBER: NA
TEE STATUS: NA

TRAINING ACTIVITY: MTU 1005 NAMTRAU
LOCATION, UIC : NAS Jacksonville, 66051

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Jan 01	Jan 01	Onboard	C-601-9407 (Track D-601-0813) C-601-9408 (Track D-602-0810) C-602-XXX1 (Track D-602-XXX1) C-602-XXX2 (Track D-602-XXX2)

TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC : NAS Norfolk, 66046

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Oct 04	TBD	Pending	C-601-9407 (Track D-601-0813) C-601-9408 (Track D-602-0810) C-602-XXX1 (Track D-602-XXX1) C-602-XXX2 (Track D-602-XXX2)

TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC : NAS North Island, 66065

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
2	Jan 01	Jan 01	Onboard	C-601-9407 (Track E-601-0813) C-601-9408 (Track E-602-0810) C-602-XXX1 (Track E-602-XXX1) C-602-XXX2 (Track D-602-XXX2)

IV.B. COURSEWARE REQUIREMENTS

IV.B.1. TRAINING SERVICES

COURSE / TYPE OF TRAINING	SCHOOL LOCATION, UIC	NO. OF PERSONNEL	MAN WEEKS REQUIRED	DATE BEGIN

Previously listed Initial Training now completed has been removed. Details on contractor provided transition training services spanning the period between the end of the completed Initial/Cadre training and the beginning of NAMTRA follow-on training will be added to future updates to this NTSP as information becomes available.

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

CIN, COURSE TITLE: C-601-9407, H-60 Power Plants and Related Systems (Career) Organizational Maintenance (Track D-601-0813)
TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC: NAS Norfolk, 66046

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Updated CAI to include the MH-60S	3	Oct 03	Pending

CIN, COURSE TITLE: C-601-9407, H-60 Power Plants and Related Systems (Career) Organizational Maintenance (Track E-601-0813)
TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC: NAS North Island, 66065

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Updated CAI to include the MH-60S	3	Mar 02	Pending

CIN, COURSE TITLE: C-601-9408, H-60 Power Plants and Related Systems (Initial) Organizational Maintenance (Track D-602-0810)
TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC: NAS Norfolk, 66046

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Updated CAI to include the MH-60S	3	Oct 03	Pending

CIN, COURSE TITLE: C-601-9408, H-60 Power Plants and Related Systems (Initial) Organizational Maintenance (Track E-602-0810)
TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC: NAS North Island, 66065

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Updated CAI to include the MH-60S	3	Mar 02	Pending

CIN, COURSE TITLE: C-603-9407, H-60 Airframes and Related Systems (Career) Organizational Maintenance (Track D-602-0882)
TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC: NAS Norfolk, 66046

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Updated CAI to include the MH-60S	3	Oct 03	Pending

CIN, COURSE TITLE: C-603-9407, H-60 Airframes And Related Systems (Career) Organizational Maintenance (Track E-602-0882)
TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC: NAS North Island, 66065

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Updated CAI to include the MH-60S	3	Mar 02	Pending

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

CIN, COURSE TITLE: C-603-9408, H-60 Airframes and Hydraulic Systems (Initial) Organizational Maintenance (Track D-602-0883)
TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC: NAS Norfolk, 66046

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Updated CAI to include the MH-60S	3	Oct 03	Pending

CIN, COURSE TITLE: C-603-9408, H-60 Airframes and Hydraulic Systems (Initial) Organizational Maintenance (Track E-602-0883)
TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC: NAS North Island, 66065

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Updated CAI to include the MH-60S	3	Mar 02	Pending

CIN, COURSE TITLE: C-102-XXX1, MH-60S Electronics Systems (Initial) Organizational Maintenance (Track D-102-0828)
TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC: NAS Norfolk, 66046

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
CAI for MH-60S Avionics Systems	3	Oct 03	Pending
Curriculum Outline with Reproducible Master Copy	50	Oct 03	Pending
Instructor Guides	3	Oct 03	Pending
Student Evaluation Forms with Reproducible Master	50	Oct 03	Pending
Student Workbooks	10	Oct 03	Pending

CIN, COURSE TITLE: C-102-XXX1, MH-60S Electronics Systems (Initial) Organizational Maintenance (Track E-102-XXX1)
TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC: NAS North Island, 66065

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
CAI for MH-60S Avionics Systems	3	Oct 03	Pending
Curriculum Outline with Reproducible Master Copy	50	Oct 03	Pending
Instructor Guides	3	Oct 03	Pending
Student Evaluation Forms with Reproducible Master	50	Oct 03	Pending
Student Workbooks	10	Oct 03	Pending

CIN, COURSE TITLE: C-102-XXX2, MH-60S Electronics Systems (Career) Organizational Maintenance (Track D-102-XXX2)
TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC: NAS Norfolk, 66046

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
CAI for MH-60S Avionics Systems	3	Oct 03	Pending
Curriculum Outline with Reproducible Master Copy	50	Oct 03	Pending
Instructor Guides	3	Oct 03	Pending
Student Evaluation Forms with Reproducible Master	50	Oct 03	Pending
Student Workbooks	10	Oct 03	Pending

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

CIN, COURSE TITLE: C-102-XXX2, MH-60S Electronics Systems (Career) Organizational Maintenance (Track E-102-XXX2)
TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC: NAS North Island, 66065

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
CAI for MH-60S Avionics Systems	3	Oct 03	Pending
Curriculum Outline with Reproducible Master Copy	50	Oct 03	Pending
Instructor Guides	3	Oct 03	Pending
Student Evaluation Forms with Reproducible Master	50	Oct 03	Pending
Student Workbooks	10	Oct 03	Pending

CIN, COURSE TITLE: C-602-XXX1, MH-60S Electrical Systems Initial Organizational Maintenance (Track D-602-XXX1)
TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC: NAS Norfolk, 66046

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
CAI for MH-60S Electrical Systems	3	Oct 03	Pending
Curriculum Outline with Reproducible Master Copy	50	Oct 03	Pending
Instructor Guides	3	Oct 03	Pending
Student Evaluation Forms with Reproducible Master	50	Oct 03	Pending
Student Workbooks	10	Oct 03	Pending

CIN, COURSE TITLE: C-602-XXX1, MH-60S Electrical Systems Initial Organizational Maintenance (Track E-602-XXX1)
TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC: NAS North Island, 66065

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
CAI for MH-60S Electrical Systems	3	Mar 02	Pending
Curriculum Outline with Reproducible Master Copy	50	Mar 02	Pending
Instructor Guides	3	Mar 02	Pending
Student Evaluation Forms with Reproducible Master	50	Mar 02	Pending
Student Workbooks	10	Mar 02	Pending

CIN, COURSE TITLE: C-602-XXX2, MH-60S Electrical Systems Career Organizational Maintenance (Track D-602-XXX2)
TRAINING ACTIVITY: MTU XXXX NAMTRAU
LOCATION, UIC: NAS Norfolk, 66046

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
CAI for MH-60S Electrical Systems	3	Oct 03	Pending
Curriculum Outline with Reproducible Master Copy	50	Oct 03	Pending
Instructor Guides	3	Oct 03	Pending
Student Evaluation Forms with Reproducible Master	50	Oct 03	Pending
Student Workbooks	10	Oct 03	Pending

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

CIN, COURSE TITLE: C-602-XXX2, MH-60S Electrical Systems Career Organizational Maintenance (Track E-602-XXX2)
TRAINING ACTIVITY: MTU 1022 NAMTRAU
LOCATION, UIC: NAS North Island, 66065

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
CAI for MH-60S Electrical Systems	3	Mar 02	Pending
Curriculum Outline with Reproducible Master Copy	50	Mar 02	Pending
Instructor Guides	3	Mar 02	Pending
Student Evaluation Forms with Reproducible Master	50	Mar 02	Pending
Student Workbooks	10	Mar 02	Pending

Curricula materials and training aids will be developed by NAMTRAGRU upon completion of MH-60S initial cadre training and receipt of technical publications.

IV.B.3. TECHNICAL MANUALS

The MH-60S technical publications will be produced, distributed, and supported in the IETMs format, including software and hardware support. The MH-60S technical publications will support the airframe, mission avionics, engine, and support equipment, and will be developed with close coordination between NATEC, Sikorsky, LMSI, PMA205, the MH-60S Fleet Introduction Team, and the MH-60S Deputy Assistant Program Manager for Logistics. NATEC is currently reviewing the common H-60 technical publications to ensure they will apply to the MH-60S as written. NATEC is tasked with establishing dates for conducting in-process reviews of the other technical manuals that the contractors are developing for the MH-60S.

NAVAIR

PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
DA	Conducted analysis of MPT requirements	May 97	Completed
OPTEVFOR	Begin OPEVAL	FY98	On-going
DA	Developed and distributed Initial NTSP	Nov 98	Completed
DA	Distributed Draft NTSP for review	May 99	Completed
TSA	Begin Initial Training	Dec 99	On-going
OPO	Approved and promulgated NTSP	Aug 00	Completed
OPO	Convene NTSP Conference	FY00	NA
OPO	Programmed Manpower and Training Resource Requirements	FY00	Completed
TSA	Begin Follow-On Training	Feb 01	Delayed until 3rd Qtr FY03
DA	Distribute updated Draft NTSP for review	Aug 01	Completed
DA	Fleet Introduction	Aug 01	Began Nov 2001 On-going
TSA	Begin delivery of Training Devices	Sep 01	Began Jan 2002 On-going
TSA	Develop Curricula Materials	Dec 01	On-going
TSA	Conduct Training Situation Analysis for MH-60S OAMCM/Sensor Systems	Mar 02	On-going
PDA	Achieve Material Support Date	Oct 03	Pending
PDA	Achieve Navy Support Date	Oct 04	Pending
PDA	Achieve Material Support Date for Common Cockpit	Oct 05	Pending

PART VI - DECISION ITEMS / ACTION REQUIRED

DECISION ITEM OR ACTION REQUIRED	COMMAND ACTION	DUE DATE	STATUS
FLIR/Hellfire and FLIR/LASER Range-finder Designator systems inclusion in the new MH-60S AMT is TBD.	NAVAIR	Jan 03	Pending
Resolve who will perform the OAMCM aircrewman functions and related Armament/Ordnance maintenance functions for the MH-60S and adjust the NEC manual, activity manning documents, etc. accordingly.	OPNAV, NAVAIR, Fleet	Jan 03	Pending
Develop MH-60S Helicopter Aircraft Commander (HAC) PQS	COMNAVRESFOR	FY 03	Completed
Develop MH-60S Aircrewman PQS	COMNAVRESFOR	FY 03	Completed
Provide current data for existing and planned Navy Helicopter NAMTRAU training facilities (all T/M/S); especially for, but not limited to, NAMTRAU North Island, NAMTRAU Jacksonville, NAMTRAGRU Det Mayport, and NAMTRAU Norfolk) into the Navy Training Management and Planning System (NTMPS) database, including: a. Facilities (Classroom, lab, other training space) data: 1. Courses supported (by CIN, CDP) indicating 2. Details of Electronic Classrooms - number of student PCs, LAN infrastructure (supports high speed Web-based training [yes or no], number of dedicated PEDDs 3. NMCI status and projected completion date b. Instructors Billets - MH-60S critical NECs on board	CNET, NAMTRA, NAVAIR, TYCOMS	Nov 02	2Q FY 03
Research/Act on following MH-60S specific fleet comment: "Page I-41 identifies the need to modify the existing AFCS/Composite trainers for the AE training track but does not identify when they will be modified and to what extent."	PMA205	May 03	Pending
Research/Act on following MH-60S specific fleet comment: "Page I-8 identifies the need for PEDDs at schoolhouse sites to instruct future MH-60 curriculum when electronic classrooms are not available. With the obsolescence of paper publications and the timesharing of electronic classrooms as it is, an urgent need for laptops (PEDDs) to support future training exists."	PMA299, PMA205, NAMTRA HQ,	Jan 03	Pending

PART VII - POINTS OF CONTACT

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PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
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SUMMARY OF COMMENTS

ON THE

MH-60S MULTI-MISSION HELICOPTER

DRAFT NAVY TRAINING SYSTEM PLAN

OF AUGUST 2001

N88-NTSP-A-50-9902A/D

Prepared by: ATC Jeff Rocheteau, AIR-3.4.1
Contact at: (301) 757-8292
Date submitted: 30 May 2002

COMMENTS / RECOMMENDATIONS ON THE
MH-60S MULTI-MISSION HELICOPTER
DRAFT NAVY TRAINING SYSTEM PLAN

TABLE OF CONTENTS

***ACTIVITIES PROVIDING COMMENTS*:**

COMMENTS / RECOMMENDATIONS ON THE
MH-60S MULTI-MISSION HELICOPTER
DRAFT NAVY TRAINING SYSTEM PLAN

ACTIVITY NAME: Chief of Naval Education and Training (CNET), Customer Service and Fleet Liaison

COMMENT: Comments not addressed on previous version of draft NTSP, re-submitted for consideration.

> "Issues and comments are essentially the same as provided for the August 2000 CH-60 NTSP (review comments memo of 29 January 2001). The training concepts and mechanisms are essentially the same, with only detail changes to pick up on the expanded MH-60 missions."

INCORPORATED: NA

REMARKS: Subject memo originally a December 2000 e-mail with attached memo Ser N75K/9U637258 dated 29 June 1999, which provides consolidated CNET/CNO (N7) comments to the Draft Navy Training Systems Plan (NTSP) for the CH-60S Multi-Mission Helicopter, N88-NTSP-A-50-9902/D May 1999. Comments from this memo (five total) follow immediately. More recent CNET comments follow afterward.

COMMENT: Page I-18

> The SH-60B and SH-60F Starboard Engine Trainers are identified as mod candidates. On page IV-12, it shows under "Status" as "Onboard". This probably should read "Pending".

INCORPORATED: NO

REMARKS: Current status as reflected in Part I, paragraph K.5.b. (Schedules/Maintenance Training Devices) shows the H-60 Starboard Engine Trainer as not being a mod candidate.

COMMENT: Page I-23

> The SH-60F Ordnance System Trainers are identified as mod candidates. There is no mention of this in Part IV. Should be listed in Part IV.

INCORPORATED: YES

REMARKS: The NTSP has been changed to reflect that TDs for MH-60S Armed Helo/OAMCM are TBD.

COMMENT: Pages I-19 and I-24

> Portable Electronic Display Devices (PEDD) are mentioned as being required. These should be identified in Part IV as to availability or who procures.

INCORPORATED: YES

REMARKS: PMA205/PMA299 have item for action. Provider listed as "TBD".

COMMENTS / RECOMMENDATIONS ON THE
MH-60S MULTI-MISSION HELICOPTER
DRAFT NAVY TRAINING SYSTEM PLAN

COMMENT: Part I, paragraph I.4.b(2)

Potential Over-Training. States "The addition of CH-60S information to existing courses should pose a moderate impact to the overall course length for the listed courses." While there are undoubtedly efficiencies gained from incorporating CH-60 unique material into existing SH/HH-60 courses, this means that all students in the course receive additional information, whether or not they will need it to do their jobs. At what point is it determined that course attendees receiving unneeded CH-60 material are being over-trained, and a separate course on just CH-60 differences is warranted?

INCORPORATED: NO

REMARKS: Comment noted. Where legacy courses are being modified with the addition of new differences data, NAMTRA will ensure that learning objectives are not unnecessarily repeated. Mandatory annual reviews of instructional materials by Subject Matter Expert instructor/curricula development personnel will be conducted to ensure that courseware satisfies desired training requirements while meeting CNET standards and optimizing use of resources. Eventually, courses will become primarily MH-60 courses and differences data training will be provided for older, fewer legacy model helicopters.

COMMENT: Summary comment

Although the CH-60S Helicopter will be introduced to the Navy as a new production aircraft, it shares a great deal of airframe commonalty with the existing SH/HH-60 Seahawk, which has been serving in the fleet for a number of years. While pilot and aircrew training will be new and mission specific, maintenance training will consist largely of modifying existing courses to accommodate CH-60S differences. Thus, a working, time-proven training structure is already in place. Aside from eventually reaching a point where there are sufficient CH-60S airframe differences to justify separate courses for the type, no training problems are foreseen. There are new training technologies already being applied where appropriate.

INCORPORATED: NA

REMARKS: Comment noted.

COMMENT: No specific reference cited.

The disposition of existing training courses as compensation for expanded MH-60 training still needs to be addressed. According to Part III, there are no existing courses to be phased out. However, the table at the top of page I-3 indicates that the H-46D helicopters will be replaced by MH-60s starting in fourth quarter FY01, and as a consequence, H-46 training requirements will diminish or result in course cancellations.

INCORPORATED: NO

REMARKS: Changes to H-46 training requirements will be covered in that platform's NTSP (current version is N88-NTSP-A-50-9409A/A dated May 2001). Courses for pilots and aircrew that migrated from the H-46 to flying in the MH-60 will still attend courses that may be the same, similar, or modified versions of H-46 aircrew courses.

COMMENTS / RECOMMENDATIONS ON THE
MH-60S MULTI-MISSION HELICOPTER
DRAFT NAVY TRAINING SYSTEM PLAN

COMMENT: No specific reference cited.

Throughout the NTSP, MTU (TBD) Norfolk is referenced as the training site. This decision (which is based on moving one of the two trainers from JAX area to NORVA) has not been made. It is being discussed/staffed at the OPNAV 789H level to include NAMTRAGRU, CNET, and COMNAVAIRLANT. This reference should be removed from the NTSP until this issue is resolved. The NTSP should be written with respect to facilities which currently exist (e.g. North Island, Mayport, Jacksonville).

INCORPORATED: NO

REMARKS: This statement is in accordance with guidance from PMA205/MH-60S FIT. In this version, MTU "TBD" is now shown as MTU "XXXX" as it is no longer in question whether training will be conducted at Norfolk, but merely which MTU will hold it.

COMMENT: No specific reference cited.

There is no reference in the NTSP of who is funding the TDs and TTE.

INCORPORATED: NO

REMARKS: Though contract numbers may be cited (for example, for Training Devices, as in element IV.A.2), specific budgets or item funding sources are generally not a consideration of the NTSP. Questions regarding funding issues should be addressed directly to PMA205-2D1.

COMMENT: No specific reference cited.

There are numerous places throughout the NTSP where RFT dates and status are listed only as TBD.

INCORPORATED: YES

REMARKS: Agreed. Schedules continue to be updated as information becomes available.

COMMENTS / RECOMMENDATIONS ON THE
MH-60S MULTI-MISSION HELICOPTER
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ACTIVITY NAME: Naval Air Maintenance Training Unit, North Island, (NAMTRAU NORIS) Maintenance Training Unit (MTU)1022

COMMENT: Unspecified location in document

Page identifies only initial and career AT ratings as receiving a new NEC. The AE rating for MH-60S is receiving a new NEC also.

INCORPORATED: YES

REMARKS: NTSP amended to reflect source ratings for new NECs 8808 and 8389, including both AT and AE. Correction made to Preface, pages I-9, etc.

COMMENT: Page I-8

Identifies the need for PEDDs at schoolhouse sites to instruct future MH-60 curriculum when electronic classrooms are not available. With the obsolescence of paper publications and the timesharing of electronic classrooms as it is, an urgent need for laptops (PEDDs) to support future training exists.

INCORPORATED: NO

REMARKS: Noted. PMA205/PMA299 have the issue of laptops (PEDDs) to support future training for action. The provider of PEDDs is presently listed as "TBD" until the issue is resolved.

COMMENT: Page I-12, paragraph 4

States that Initial C school training is intended for E-4 and below and Career training is for E-5 and above. All personnel E-1 and above without any previous H-60 experience will have to attend MH-60S Initial training with follow on Career training for E-5 and above.

INCORPORATED: YES

REMARKS: See note added in cited paragraph.

COMMENT: Page I-12 paragraph 4a

States the contractor will develop and provide two sessions of initial difference training at NAMTRAU North Island with all required materials. Does this include IETM software and PEDDs?

INCORPORATED: YES

REMARKS: Text amended to reflect that the contractors provided this training and the required courseware materials. Laptops were provided by the Navy (COMHELTACWINGPAC) and overhead projectors by NAMTRA North Island. Only the Avionics portions of the Cadre training sessions required PEDDs.

COMMENTS / RECOMMENDATIONS ON THE
MH-60S MULTI-MISSION HELICOPTER
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COMMENT: Pages I-13, I-14, and I-15

For all maintenance ratings difference training "RFT" section shows only January 2002 Cadre training. There is also a scheduled Cadre Maintenance training period scheduled for 03/04/02 to 04/05/02.

INCORPORATED: YES

REMARKS: The dates of the second period of Cadre training are indicated. Training is complete.

COMMENT: Page I-15

Identifies RFT/Cadre date of the PC/NDA course at North Island to be January 2002. When are personnel from MTU 1022 going to receive initial MH-60 PC/NDA difference data training?

INCORPORATED: NA

REMARKS: NAMTRA had an AM1 scheduled to take the Plane Captain course in March 2002.

COMMENT: Page I-17, paragraph 4b

States: "MTU 1022 will be able to provide MH-60S electrical systems training to transitioning AE personnel in second quarter FY02." This is not possible. MTU 1022 AE instructors will just be attending Cadre training in second quarter FY02. The first training materials deliverables for technical/functional review by MTU 1022 are not expected until December 2001 and will continue throughout FY02. Our RFT date will not be sooner than 6 to 12 months after the final acceptance of contractor deliverables.

INCORPORATED: YES

REMARKS: As per phone conversation with NAMTRAGRU HQ (N2122) on 29 January 2002, a new RFT date of third quarter 2003 (after contractor delivery of MH-60S CBT to NAMTRA) is projected.

COMMENTS / RECOMMENDATIONS ON THE
MH-60S MULTI-MISSION HELICOPTER
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COMMENT: Page I-17 and I-18, paragraph 4b

States: "MTU 1022 began the transition to Computer Based Training (CBT) in second quarter FY98 and completed in late FY00." This is incorrect. Legacy CBT for the schoolhouse in the form of Computer Aided Instruction (CAI) is still in development by NAMTRAU North Island AMTCS and is expected to be ready for use in the classroom by the end of second quarter FY02. The delay is due to the LSI developed legacy CAI not being in a useable format for the schoolhouse (not sequenced with the lesson plans). AMTCS is correcting this problem by developing the CAI in PowerPoint format. Paragraph 4b also states, "…PMA205 will develop a separate MH-60S Differences CBT that will be incorporated into the existing H-60 CBT. This MH-60S Differences CBT will be compatible with the legacy H-60 CBT." It is unlikely that the PMA205 developed Differences CBT will be compatible with the AMTCS developed PowerPoint format. It would be more accurate to say Differences CBT will be used 'in conjunction' with existing H-60 CBT for the AM and AD courses. It is important to note that because the AE and AT courses are stand-alone, NEC generating, MH-60S specific courses, and that full and comprehensive CBT (CAI and ICW) lessons should be developed independent of the existing legacy H-60 CBT.

INCORPORATED: YES

REMARKS:

Text amended to read "NAMTRA's transition to Computer Based Training (CBT) at MTU 1022 began in second quarter FY98 and was scheduled to be completed in FY02. Therefore, H-60 maintenance training is expected to be in CBT and Computer Aided Instruction (CAI) format prior to the MH-60S curriculum being introduced. The Naval Air Systems Command (NAVAIRSYSCOM) Program Office for Aviation Training Systems, PMA205, is developing a separate MH-60S Differences CBT that will be incorporated into or otherwise used in conjunction with this legacy H-60 CBT."

This matter is still under review.

COMMENT: Page I-32

Identifies FLIR/Hellfire Systems and FLIR/LASER Ranger-finder Designator Systems as part of the AT Initial course. These systems are not to be included in the new MH-60 AMT nor will these systems be included into the IETM program. In order to adequately teach these systems, NAMTRAU must have the necessary hardware /equipment on hand.

INCORPORATED: YES

REMARKS: The information on these systems is updated.

COMMENTS / RECOMMENDATIONS ON THE
MH-60S MULTI-MISSION HELICOPTER
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COMMENT: Page I-34

The **'**Description**'** section is very general. What constitutes 'Related Systems'? For example, there is no mention of AC/DC Power, Blade Fold, AFCS, Stabilator, Pitot/Static Systems, and Fuel Systems to name a few. Also, why would an AE Initial Maintenance course be teaching Plane Captain Responsibilities, Flight Line Operations, Flight Deck Safety, Ground Handling Procedures and Aircraft Inspections and Servicing? These are subjects taught in a PC/NDA course. If it were desirable to teach these subjects in an initial organizational maintenance course, why would it be specific to the AE course and not the AD, AM, and AT courses?

INCORPORATED: YES

REMARKS: Removed unwanted course subjects as per guidance from NAMTRAGRU HQ, N2122.

COMMENT: Page I-34, (Second part of comment)

RFT dates of second quarter FY02 is not possible at NAMTRAU North Island for reasons previously stated.

INCORPORATED: YES

REMARKS: RFT date of third quarter FY03 is new date as per NAMTRAGRU HQ, N2122.

COMMENT: Page I-34 (Third part of comment)

'TTE/TD**':** Concerning the Avionics Maintenance Trainer (AMT), what AE systems will this trainer support? This trainer is designed for AT training with placards and mock-ups of AE equipment and simulated or non-existent wiring. If aircraft system components are not wired into the AMT, the value this trainer offers the AEs beyond basic cockpit and mission avionics familiarization is minimal. Concerning the Composite Maintenance Trainer (CMT) modification, the NTSP needs to reflect that it will integrate as many AE system components as possible (caution/advisory system, flight instruments, blade fold, hydraulics, attitude/heading indicating system, engine electrical, stabilator and various system sensors, transmitters, chip detectors, etc.) with the proper indications and status displays in a common cockpit configuration. This is important in order to accomplish the form-fit-feel we currently enjoy with the legacy trainers.

INCORPORATED: YES

REMARKS: See remarks in Part I paragraph K regarding Training Devices and their modification.

COMMENT: Page I-39, paragraph 1b

The paragraph beginning, *"*The AMTCS Project Plan states*..."* is a duplicate of the statement on pages I-17 and I-18. See the comments in paragraph 9 above.

INCORPORATED: YES

REMARKS:

COMMENTS / RECOMMENDATIONS ON THE
MH-60S MULTI-MISSION HELICOPTER
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COMMENT: Page I-41

Identifies the need to modify the existing AFCS/Composite trainers for the AE training track but does not identify when they will be modified and to what extent.

INCORPORATED: YES

REMARKS: Noted. PMA205 has item for action.

COMMENT: Page IV-21

States, "The MH Common Cockpit AMT provides for training the AEs and ATs…" The AMT presently is only designed for AT training with placards and mock-ups of AE related equipment. AE use of this trainer will be minimal.

INCORPORATED: YES

REMARKS: Item now reflects requirement for AE systems modification.

COMMENT: Page I-43

Maintenance Training Devices. The table makes no mention of WICAT [World Interactive Computer-Assisted Training] system currently used to teach fuel systems. We need a replacement for this antiquated system. We would like to see a fuel cell/system trainer, but have been shot down in the past. If a hardware trainer cannot be purchased, then WICAT needs to be replaced. The MH-60 employs a different fuel system from that of the legacy H-60.

INCORPORATED: NO

REMARKS: Comment noted. PMA205 has item for consideration.

COMMENT: Page I-43 (second part of comment)

H-60 Landing Gear and RAST/Tail Wheel Trainers are listed as "no modification required." A significant difference exist between Legacy and MH-60 Landing Gear systems. Recommend modifying at least one set of trainers to facilitate MH-60 training.

INCORPORATED: YES

REMARKS:

COMMENTS / RECOMMENDATIONS ON THE
MH-60S MULTI-MISSION HELICOPTER
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COMMENT: Page I-43 (Third part of comment)

No mention is made of modifying the CMT for the dynamic changes being made to the vibration absorbers for the MH-60. If the MH-60 employs a drastically different type of vibration absorber, an absorber modification would enhance training.

INCORPORATED: YES

REMARKS: CMT trainer remarks now reflect both AE modification required and Vibration Absorber modification required

COMMENTS / RECOMMENDATIONS ON THE
MH-60S MULTI-MISSION HELICOPTER
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ACTIVITY NAME: Helicopter Combat Support Squadron Three (HC-3)

COMMENT: Page i, paragraph 4

Cadre Training starts in November 2001

INCORPORATED: YES

REMARKS:

COMMENT: Page I-3, Top right box

HC Transition Start Date FY02 1st QTR

INCORPORATED: YES

REMARKS: Entire schedule updated.

COMMENT: Page I-4, paragraph (3)

Navigation – Change AHRS to EGI System.

INCORPORATED: YES

REMARKS:

COMMENT: Page I-7

External Payload - 9,000 lbs.

INCORPORATED: NO

REMARKS: Per PMA, external payload rated at 6,000 lbs.

COMMENT: Page I-12

RFT Dates – OT: October 2001, Cadre: November 2001

INCORPORATED: YES

REMARKS:

COMMENT: Page I-13

Aircrew Initial differences Training RFT date: Cadre November 2001

INCORPORATED: YES

REMARKS:

COMMENTS / RECOMMENDATIONS ON THE
MH-60S MULTI-MISSION HELICOPTER
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COMMENT: Page I-41, Table:

	FY01	**FY02**	**FY03**	**FY04**	**FY05**
HC-3	3	7			3
HC West		8	12	8	2
HC East	9	8	3	5	

INCORPORATED: YES

REMARKS: Data updated again later, subsequent to this fleet comment with newer figures (see FIT comments).

COMMENTS / RECOMMENDATIONS ON THE
MH-60S MULTI-MISSION HELICOPTER
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ACTIVITY NAME: MH-60S Fleet Introduction Team (MH-60S FIT)

COMMENT: Executive Summary, LAST paragraph

Should read: Initial MH-60S operator and maintenance training has been provided for test and evaluation personnel and a cadre of pilot, aircrew, and maintenance instructors by contractor personnel. In FY02 through FY04, transition training will be provided…may also provide some follow-on MH-60S maintenance training, to include legacy or initial H60 training until Norfolk MTU becomes operational (scheduled for CY05).

INCORPORATED: YES

REMARKS: Extended transition training period out until FY05 per PMA205.

COMMENT: Preface, pages viii and ix

Last paragraph should read: The site of MH-60S maintenance training for the East Coast is to be located at Norfolk. The training sites at either Maintenance Training Unit (MTU) 1066 at Naval Station (NS) Mayport where SH-60B maintenance training is conducted, or MTU 1005 at Naval Air Maintenance Training Unit (NAMTRAU) Jacksonville where SH-60F and HH-60H maintenance training is conducted, will be utilized for continued pipeline and legacy H60 training for all Sierra east coast squadrons, until Norfolk receives their full set of maintenance trainers. (POM-04 possible source for funding.)

INCORPORATED: YES

REMARKS: Minor wording changes and exclusion of details of possible funding.

COMMENT: Part I, page I-2, paragraph D. 1

The last sentence in the last paragraph should read: The OAMCM version of the MH-60S will incorporate the modular (palletized) OAMCM systems and bolt-on components into the helicopter to provide these capabilities for OAMCM capable squadrons.

INCORPORATED: YES

REMARKS:

COMMENT: Part I, page I-2, paragraph E

The third paragraph should read: Operational Test (OT), OT-IIB, commenced October 2001 by Air Test and Evaluation Squadron (VX)-1 at NAS Patuxent River and completed in March 2002.

INCORPORATED: YES

REMARKS:

COMMENTS / RECOMMENDATIONS ON THE
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COMMENT: Part I, page I-3, paragraph F

Should read: The H-46 D Helicopter is in the process of being replaced by the MH-60S, beginning with the Fleet Readiness Squadron, HC-3, in August 2001. Transition training has also been completed.

INCORPORATED: YES

REMARKS:

COMMENT: Part I, page I-9, paragraph G.5.b

Should read: Web-Based Interactive Electronic Technical Manuals (WIETM) will provide users with…

Also the following sentence needs to be updated: At this time, a Class III IETM is utilized allowing the user to search the Standardized General Markup Language (SGML) based database through structured hyperlinks.

Paragraph G.5.c title should be: Portable Electronic Display Device (Laptop Computer). It may have a new name now.

INCORPORATED: NO

REMARKS: Item is being researched and will be addressed in future updates to the NTSP. Of concern is the issue of whether or not students have access to the "web" (Internet). Students need ready access to computers, following information security training. They need to be given individual secure logons, computer basics training, and sufficient internet access to become proficient in using both offline and web-based-based training materials first in the school house and then later in the fleet. WIETMs will be researched and the NTSP updated as information becomes available.

COMMENT: Part I, page I-11, paragraph H.2.b

Last sentence of first paragraph should read: …shored-based AIMDs at NAS North Island, California; NS Norfolk, NAS Oceana, (Virginia); NAS Jacksonville, NS Mayport, (Florida); Naval Air Facility (NAF) Atsugi, Japan; and NAS Sigonella, Sicily.

Last sentence of the second paragraph should read: …Marine Corps Air Station Futenma, Okinawa, Japan, is scheduled to transition incrementally to the AIMD at NAF Atsugi.

INCORPORATED: YES

REMARKS:

COMMENTS / RECOMMENDATIONS ON THE
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COMMENT: Part I, page I-12, paragraph H.3.

In the first paragraph, the third sentence should read: The basic watch conditions will depend on deployment mission requirements.

In the third paragraph, the second sentence should read: OAMCM capable squadron manpower requirements have not yet been determined. It is planned that NAVAIRSYSCOM 3.4 will develop a Manpower Estimate Report, which will analyze OAMCM capable squadron requirement.

INCORPORATED: YES

REMARKS:

COMMENT: Part I, page I-13, paragraph H.4.

Make the following change in the first paragraph: The contractors have also developed and conducted initial training for instructors at Fleet Readiness Squadrons (FRS),…

Add the following to the end of the second paragraph: TMTT training at NS Norfolk will be extended until the appropriate NAMTRA instructors and maintenance trainers are available.

The third paragraph should start: MH-60S follow-on maintenance training will be…

The following should be added at the end of the paragraph: MH-60S follow-on pilot and aircrew training is being conducted at HC-3, North Island, and will be initiated at a Norfolk FRS site commencing in FY05.

INCORPORATED: YES

REMARKS:

COMMENT: Part I, page I-14, paragraph H.4.a.1

The third paragraph should start: Sikorsky and LMSI have developed and conducted two sessions of…

Remove everything from…This third block of initial training…to the end of the paragraph.

INCORPORATED: YES

REMARKS:

COMMENT: Part I, pages I-15 through 17

MH-60S Power Plants and Related Systems, Airframes/Hydraulics and Related Systems, Electrical/Instruments Systems/Automatic Flight Control Systems, Avionics Systems, Non Designated Airman/Plane Captain Initial Differences Training is all complete.

INCORPORATED: YES

REMARKS:

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COMMENT: Part I, page I-17, paragraph H.4.a.2

Change the bold to read: Fleet Personnel Transition Training; and the text should read as follows: Transition Maintenance Training Teams at NS Norfolk are providing maintenance training on MH-60S differences to AD, AM, AE, AT, and Plane Captain personnel, and shall continue to provide this training through the FY04/05 timeframe. NAMTRADET Norfolk will then provide courses utilizing their own instructors and a new set of maintenance trainers.

INCORPORATED: YES

REMARKS: Modified to read "Transition Maintenance Training Teams at NS Norfolk are providing maintenance training on MH-60S differences to AD, AM, AE, AT, and Plane Captain personnel, and will continue to provide this training through FY05 or until NAMTRADET Norfolk is able to provide courses utilizing their own instructors with a new set of maintenance trainers."

COMMENT: Part I, pages I-18 and I-19

Change RFT dates for all training to second quarter FY02 through FY05.

INCORPORATED: YES

REMARKS:

COMMENT: Part I, page I-19, paragraph H.4.b.

The first paragraph should read as follows: Follow-on training is being conducted by HC-3 for pilots…FY02, MTU 1022 and NATEC began conducting maintenance…In FY05, an MTU at NAMTRAU…MTU (TBD) Norfolk, and, if necessary, MTU 1066 NAMTRAGRU DET Mayport…

INCORPORATED: YES

REMARKS:

COMMENT: Part I, page I-20

The paragraph beginning with…The transition…is completely inaccurate and needs to be updated.

INCORPORATED: YES

REMARKS: Text has been amended (several times). Item is under review and will be updated.

COMMENT: Part I, pages I-20 through I-24

Under Locations on all pages, the second line should read as follows: MTU TBD NAMTRAU Norfolk (FY05)

INCORPORATED: YES

REMARKS: MTU at NAMTRAU Norfolk is now designated "MTU XXXX".

COMMENTS / RECOMMENDATIONS ON THE
MH-60S MULTI-MISSION HELICOPTER
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COMMENT: Part I, page I-26

Description should read: This course provides the transitioning Category II Fleet Replacement Pilot…(eliminate H-46…)

INCORPORATED: NO

REMARKS: See CANTRAC. On this comment and the following, it is agreed that course numbers, descriptions, etc. must be updated in CANTRAC and elsewhere. Future revisions of the NTSP will be updated accordingly.

COMMENT: Part I, page I-27

Title should read: MH-60S Fleet Replacement Pilot Category III.

Description should read: This course is designed to transition Fleet Pilots to the MH-60S and to provide refresher Category III…

INCORPORATED: NO

REMARKS: Assume this refers to E-2C-3102(?). Description comes from CANTRAC. Will update as new information is made available.

COMMENT: Part I, page I-30

Prerequisites…NEC should be 82XX vice 8216.

Add the following prerequisite: Designated Naval Aircrewman, previously qualified in helicopters.

INCORPORATED: NO

REMARKS: Item is being researched and will be updated on next iteration of the NTSP.

COMMENT: Part I, page I-31

Title should read: MH-60S Fleet Replacement Aircrewman Category III

Prerequisites…NEC should be 8205 vice 8216

INCORPORATED: NO

REMARKS: Item is being researched and will be updated on next iteration of the NTSP. CANTRAC states Category II while OATMS states Category III.

COMMENT: Part I, pages I-33 through I-36

Under RFT dates… Second line should read as follows: MTU TBD: FY05

INCORPORATED: YES

REMARKS:

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COMMENT: Part I, page I-39

Model Manager… should read: NAMTRAU Jacksonville, NAMTRADET Norfolk for MH-60S.

Locations… second line should read: MTU 1005 NAMTRAU Jacksonville, NAMTRADET Norfolk for MH-60S.

INCORPORATED: NO

REMARKS: Item is being researched and will be updated on next iteration of the NTSP.

COMMENT: Part I, pages I-42

Delivery Schedule should read as follows:

	FY02	**FY03**	**FY04**	**FY05**	**FY06**	**FY07**
HC-3	3			3	4	
Fleet HC (West Coast)	9	11	8	2	7	
Fleet HC (East Coast)	9	8	4	5	6	12

INCORPORATED: YES

REMARKS:

COMMENT: Part I, page I-43

Paragraph K.5.a.1. Second sentence should read: Four (4) are required at NAS North Island and five (5) at NS Norfolk. The following should be added to the end of paragraph 1: TOFT projections for NAS Jax and Atsugi will be included in future updates.

Paragraph K.5.a.2. Second sentence should read: Three (3) are required at NAS North Island and three (3) at NS Norfolk. The following should be added to the end of paragraph 2: WTT projections for NAS Jax and Atsugi will be included in future updates.

Add paragraph (4) as follows: Aircrew Virtual Environment Trainer-Operator Aircrewman Mission Training. There is a requirement for four (4) MH-60S Aircrew Virtual Environment Trainers (AVET) to provide training involving visual interaction with equipment and targets external to the aircraft *(for Armed Helo)*. Two (2) *AVETs* are required at NAS North Island and two (2) *AVETs* at NS Norfolk. AVET projections for NAS Jax and Atsugi will be included in future updates *to this NTSP*.

INCORPORATED: YES

REMARKS: Added words in italics for clarity.

COMMENTS / RECOMMENDATIONS ON THE
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COMMENT: Part I, page I-44

Remove the following from the NOTE at the top of the page: …, and at NAF Guam in FY07.

Also update the Schedule per PMA205.

INCORPORATED: YES

REMARKS:

COMMENT: Part I, page I-45

Paragraph K.5.b.2.a Last sentence of first paragraph should end …and the other at a MTU (TBD) at NAMTRAU Norfolk in FY05.

Add Section K.5.b.2.c as follows: (c.) MH-60S Composite Maintenance Trainer Suite (consisting of Landing Gear Trainer, Min Rotor Blade/BIM Trainer, RAST/Tail Wheel Trainer and Starboard Engine Trainer) will be new purchased (POM 04 or subsequent) to provide the new set of trainers required for NORFOLK MTU TBD. Current trainers located at NAS North Island (2), Jacksonville and Mayport will be updated to include changes introduced with the MH-60S and, eventually, MH-60R trainer requirements as needed.

INCORPORATED: YES

REMARKS: Omitted funding reference and reference to Romeo.

COMMENT: Part I, page I-45

Need new chart depicting both MTUs at Florida remaining open and new man trainers for MTU Norfolk.

INCORPORATED: YES

REMARKS: Will update this section as new information becomes available on which site gets modified trainers and which ones get new trainers.

COMMENTS / RECOMMENDATIONS ON THE
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COMMENT: Part III, pages III 7-8, element III.A.2.a

E-2C-3101, MH60S Fleet Replacement Pilot Category I
ACDU-TAR ATIR officer numbers should be changed to following:

CFY02	FY03	FY04	FY05	FY06
34	51	62	79	58

E-2C-3102, MH60S Fleet Replacement Pilot Category II
ACDU-TAR ATIR officer numbers should be changed to following:

CFY02	FY03	FY04	FY05	FY06
44	55	69	69	70

E-050-3100, MH60S Fleet Replacement Aircrewman Category I Pipeline
ATIR enlisted numbers should be changed to following:

CFY02	FY03	FY04	FY05	FY06
51	42	91	91	67

E-050-3102, MH60S Fleet Replacement Aircrewman Category II Pipeline
ATIR enlisted numbers should be changed to following:

CFY02	FY03	FY04	FY05	FY06
70	64	49	49	18

INCORPORATED: YES

REMARKS:

COMMENT: Part IV, page IV-13, element IV.A.2

Training Devices. Adjust to reflect additional devices for NORIS/Norfolk identified by OPNAV/OAG.

INCORPORATED: YES

REMARKS:

COMMENT: Part IV, page IV-23, element IV.B.1

Delete completed training.

INCORPORATED: YES

REMARKS:

COMMENTS / RECOMMENDATIONS ON THE
MH-60S MULTI-MISSION HELICOPTER
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COMMENT: Part IV, element IV.C

Adjust to include facility requirements to support additional West Coast and East Coast pilot and aircrew trainers.

INCORPORATED: NO

REMARKS: Valid comment. Training facilities data will be included in future update as NAMTRA populates data into the AIRTMPS portion of the NMTPS database. See the database website at: http://www.ntmps.navy.mil/ .