

NAVY TRAINING SYSTEM PLAN
FOR THE
UNITED STATES MARINE CORPS
H-1 UPGRADES PROGRAM

N88-NTSP-A-50-9602/A

DECEMBER 1997

Enclosure (1)

UNITED STATES MARINE CORPS H-1 UPGRADES PROGRAM

EXECUTIVE SUMMARY

The goal of the USMC H-1 Upgrades Program is to achieve a platform that meets the growing needs of the Marine Corps. The 4BW and 4BN will be an upgraded version of the current AH-1W and UH-1N Helicopters. The 4BW and 4BN will share a common engine, Auxiliary Power Unit, four-bladed main and tail rotor system, transmission, drive train, and tail boom. The purpose of these modifications is to achieve commonality in both aircraft, thereby reducing logistical support, maintenance workload, and training requirements. The replacement of the two bladed rotor system with a common four bladed rotor system will achieve improved performance, reliability, and maintainability. The addition of an infrared suppresser to the aircraft will improve survivability. The 4BW will also include a newly developed cockpit, which will result in nearly identical front and rear cockpits that simplify operator and maintainer training and maintenance.

The manpower requirements for the 4BW and 4BN are well within the capabilities of the Marine Corps existing Military Occupational Specialty (MOS) structure. The approach used to determine the quantitative manpower impact of the 4BW and 4BN considered these skill (MOS) requirements, as well as maintenance workload for Marine Helicopter Light Attack Squadrons (HMLA). In this manner, the integrity and functionality of the HMLA detachment concept was maintained. Based on a comprehensive analysis of the design improvements of 4BW and 4BN components, a typical HMLA squadron's manpower requirements will not be increased. The HMLA Marine Aviation Logistics Squadron augment manpower requirements will not change.

AH-1W and UH-1N maintenance training is currently provided by HMT-303 Fleet Replacement Enlisted Skills Training (FREST), Marine Corps Air Station (MCAS) Camp Pendleton, California. 4BW and 4BN maintenance training will also be provided by HMT-303 FREST MCAS Camp Pendleton. 4BW and 4BN aircrew training will be provided by HMT-303 Fleet Readiness Squadron, MCAS Camp Pendleton. Existing AH-1W and UH-1N training courses will be modified to include the data on the new and modified equipment installed in the 4BW and 4BN.

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LIST OF ACRONYMS

AD	Aviation Machinist's Mate
AE	Aviation Electrician's Mate
AMH	Aviation Structural Mechanic (Hydraulics)
AMIST	Aviation Maintenance In-Service Training
AMS	Aviation Structural Mechanic (Structures)
AMTCS	Aviation Maintenance Training Continuum System
AO	Aviation Ordnanceman
APT	Aircrew Procedure Trainer
APU	Auxiliary Power Unit
AS	Aviation Support Equipment Technician
ASM	Aviation Support Manpower
AT	Aviation Electronics Technician
AVT	UH-1N Avionics Trainer
BIT	Built-In-Test
BUPERS	Bureau of Naval Personnel
CBT	Computer-Based Training
CCS	Cockpit Control System
CID	Cockpit Integration Development
CINCLANTFLT	Commander-in-Chief Atlantic Fleet
CINCPACFLT	Commander-in-Chief Pacific Fleet
CLS	Contractor Logistics Support
CMC	Commandant of the Marine Corps
CMT	Composite Maintenance Trainer
CNET	Commander Naval Education and Training
CNI	Communication, Navigation, and Identification
CNO	Chief of Naval Operations
CPT	Cockpit Procedures Trainer
DT	Developmental Test
EAT	UH-1N Electrical/Armament Trainer
FMS	Foreign Military Sales
FREST	Fleet Replacement Enlisted Skills Training
FRS	Fleet Readiness Squadron
FY	Fiscal Year

UNITED STATES MARINE CORPS H-1 UPGRADES PROGRAM

GSD	Government Support Date
HMLA	Marine Helicopter Light Attack Squadron
HMT	Marine Helicopter Training Squadron
MALS	Marine Aviation Logistics Squadron
MATMEP	Maintenance Training Management and Evaluation Program
MCAS	Marine Corps Air Station
MCCDC	Marine Corps Combat Development Command
MOS	Military Occupational Specialty
MP&T	Manpower, Personnel, and Training
MRC	Maintenance Requirement Card
MSD	Material Support Date
MTIP	Maintenance Training Improvement Program
MTU	Maintenance Training Unit
MWST	Mobile Weapon System Trainer
NAMT	Naval Aviation Maintenance Trainer
NAMTRAGRUDET or NAMTGD	Naval Air Maintenance Training Group Detachment
NAVAIRSYSCOM	Naval Air Systems Command
NEC	Naval Enlisted Classification
NTSP	Navy Training System Plan
NTTU	Naval Technical Training Unit
OPEVAL	Operational Evaluation
OPNAV	Office of the Chief of Naval Operations
OPO	OPNAV Principal Official
OT	Operational Test
PDA	Principal Development Activity
PQS	Personnel Qualification Standards
PTT	Part Task Trainer
RFT	Ready For Training
SRA	Shop Replaceable Assembly
TA	Training Agency
TD	Training Device
TECHEVAL	Technical Evaluation
TFS	Total Force Structure

UNITED STATES MARINE CORPS H-1 UPGRADES PROGRAM

T/O	Table of Organization
TSA	Training Support Agent
TTE	Technical Training Equipment
USMC	United States Marine Corps
VMAT	Marine Attack Training Squadron
WRA	Weapon Replaceable Assembly
WST	Weapon System Trainer

UNITED STATES MARINE CORPS H-1 UPGRADES PROGRAM

PREFACE

This Approved Navy Training System Plan (NTSP) for the United States Marine Corps (USMC) H-1 Upgrades Program is an update of the Draft NTSP, dated June 1997, and complies with guidelines set forth in the Navy Training Requirements Documentation Manual. Changes from the Draft NTSP to the Approved NTSP primarily include updated program documentation and points of contact. This NTSP contains the latest information pertaining to training, manpower, delivery schedules for the aircraft, and training materials required to support the 4BW and 4BN Aircraft.

PART I - TECHNICAL PROGRAM DATA

A. NOMENCLATURE-TITLE-PROGRAM

1. **Nomenclature-Title-Acronym.** USMC H-1 Upgrades Program
2. **Program Element.** 0603266N

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 (N880)
- OPO Resource Sponsor CNO (N880)
- Marine Corps Program Sponsor..... CMC (APW-53)
- Developing Agency..... NAVAIRSYSCOM (PMA267)
- Training Agency CINCLANTFLT
CINCPACFLT
CNET
MCCDC (C463)
- Training Support Agency NAVAIRSYSCOM (PMA205)
- Manpower and Personnel Mission Sponsor CNO (N1)
BUPERS (PERS-4)
- Director of Naval Training CNO (N7)
- Chief of Naval Personnel..... CNO (N12)
BUPERS (PERS-4)
- Marine Corps Combat Development Command
Manpower Management TFS Division

D. SYSTEM DESCRIPTION

1. Operational Uses. The 4BW will be an upgraded AH-1W, and the 4BN will be an upgraded UH-1N. The 4BW and 4BN missions will be as follows:

The primary mission of the 4BW Aircraft will be that of an armed tactical helicopter capable of operating from ships and austere bases, providing armed reconnaissance, combat escort, anti-armor, anti-helicopter, and landing zone fire suppression. It will provide forward and rear area fire support, anti-fixed wing, and search and rescue augmentation. The 4BW will also be able to control air, artillery, mortar, and naval gunfire support. The 4BW will be capable of operating at night and in adverse weather conditions.

The mission of the 4BN Aircraft will be to provide airborne control and coordination for assault support operations; aeromedical evacuation of casualties and augment search and rescue assets; combat assault and assault support for evacuation and other maritime special operations; control coordination and terminal guidance for supporting arms to include close air support, artillery, and naval gunfire; armed escort for assault support operations; fire support and security for forward and rear area forces. The 4BN will also be capable of operating at night and in adverse weather conditions.

2. Foreign Military Sales. No Foreign Military Sales are currently planned.

E. DEVELOPMENTAL TEST AND OPERATIONAL TEST. Technical Evaluation (TECHEVAL) for the 4BN will begin in FY01, and TECHEVAL for the 4BW will begin in FY03. Operational Evaluation (OPEVAL) for the 4BN will begin in FY02, and OPEVAL for the 4BW will begin in FY04.

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

1. AH-1W and UH-1N Common Equipment Additions and Modifications

- Upgrade the skid type landing gear
- Replace the main and tail rotor systems with a four bladed rotor system with a semi-automatic blade fold system
- Modify the tailboom
- Modify the pylon structures to support six weapon stations
- Install a new performance matched main transmission
- Upgrade mast assembly, input driveshaft, accessory drives, 42 degree gearbox, and the 90 degree gearbox to achieve commonality
- Add an Auxiliary Power Unit (APU) and starter
- Install infrared suppressers

- Upgrade chaff dispensing to the AN/ALE-47

2. AH-1W Unique Equipment Additions and Modifications

- Integrated avionics suite and glass cockpit
- Universal wing station upgrade from four to six stores, with two separate air-to-air mounts

3. UH-1N Unique Equipment Additions and Modifications

- Airframe elongation of 10 to 15 inches to accommodate additional avionics racks
- Install improved T-700 propulsion system

G. DESCRIPTION OF NEW DEVELOPMENT

1. Functional Description. The goal of the USMC H-1 Upgrades Program is to achieve a platform that meets the growing needs of the Marine Corps at an affordable cost. The 4BW and 4BN will establish a common engine, APU, four-bladed main and tail rotor system, transmission, drive train, rotor drive, and tail boom. The purpose of these modifications is to achieve commonality in both aircraft, thereby reducing logistic support, maintenance workload, and training requirements. The replacement of the two bladed rotor system with a common four bladed rotor system will achieve improved performance, reliability, and maintainability. The addition of an infrared suppresser to the aircraft will improve survivability. The 4BW upgrade also includes the Cockpit Integration Development (CID) for the AH-1W. The CID will result in similar forward and rear cockpits simplifying operator and maintainer training and maintenance.

- The skid type landing gear will be upgraded to withstand a 12 foot per second vertical sink rate. Weight considerations for the 4BN may drive a need for a wheel type landing gear; however, the skid type is currently planned.
- The main and tail rotor systems will be a four bladed rotor system. The main rotor will have a manual/semi-automatic blade fold system. The new rotor blades will be manufactured from composite materials.
- The tail boom will be modified with a more effective elevator and will be common for both aircraft.
- The T-400 propulsion system of the UH-1N will be replaced with a T-700 propulsion system. This system is currently installed in the AH-1W aircraft.
- A new performance matched main transmission will be installed, increasing shaft horsepower and performance capabilities. The main transmission, input driveshaft, mast assembly, accessory drives, combining gearbox, 42 degree gearbox, and the 90 degree gearbox will be upgraded achieving commonality.
- An APU will be installed as a new addition.

- Infrared suppressers will be installed as a new addition.
- The forward looking infrared device and night targeting system will be upgraded.
- Chaff dispensing will be upgraded from the AN/ALE-39 to the AN/ALE-47.
- The 4BW CID will integrate communications, fire control, navigation, and night targeting. This effort will also result in near mirror image crew stations for the 4BW aircraft.
- Pylons for both aircraft will be modified. The AH-1W universal wing stations will be upgraded to six which includes two separate air-to-air missile mounts.
- The UH-1N airframe will be increased approximately 10 to 15 inches to accommodate avionics equipment.

2. Physical Description. The USMC H-1 Upgrades Program will change the physical description of the AH-1W and UH-1N Aircraft. Information regarding the physical description of the 4BW and 4BN Aircraft is not yet available. When information becomes available, it will be included in updates to this NTSP.

3. New Development Introduction. The new equipment will be introduced through the USMC H-1 Upgrades Program. The installation of the new equipment will be performed at the contractor's facilities.

4. Significant Interfaces. NA.

5. New Features, Configurations, or Material. Refer to paragraph I.F.

H. CONCEPTS

1. Operational Concept. The 4BW and 4BN will not change the current operational concept for the AH-1W and UH-1N.

2. Maintenance Concept. The maintenance concept for the 4BW and 4BN Aircraft will be based on three levels of maintenance as stated in the Naval Aviation Maintenance Program, OPNAVINST 4790.2 (series). Contractor Logistics Support (CLS) will be used as part of the 4BW and 4BN aircraft support package. The exact details of the CLS are not currently available. When CLS information becomes available, it will be included in updates to this document.

a. Organizational. Organizational level maintenance consists of maintenance actions normally performed by an operating unit in support of its own operations. These actions include inspecting, servicing, handling, fault isolation, removal and replacement of Weapon Replaceable Assemblies (WRAs), and performing on-aircraft repairs. Built-In-Test (BIT) will be used to the maximum extent.

(1) Preventive Maintenance. Preventive maintenance is the care and servicing needed to maintain aircraft equipment, support equipment, and facilities in satisfactory operating condition by providing for systematic inspection, detection, and correction of incipient failures either before they occur, or before they develop into major defects. Preventive maintenance on the 4BW and 4BN will be conducted at specific intervals per established procedures outlined by Maintenance Requirement Card (MRC) decks.

(2) Corrective Maintenance. Corrective maintenance is the set of actions needed to maintain aircraft equipment and support equipment to improve, change, or restore their capability to perform specific missions or functions by replacement, removal, addition, alteration, or repair of parts, equipment, or aircraft without particular regard to flying hours, operating hours, calendar days, or operating periods. Corrective maintenance includes, but is not limited to, modification, repair, and unscheduled inspection, replacement, or testing. The 4BW and 4BN corrective maintenance procedures will encompass aircraft repair, and the replacement of WRAs determined as faulty by use of BIT or procedural troubleshooting.

b. Intermediate. Intermediate level maintenance in support of the 4BW and 4BN Aircraft will be performed by Marine Aviation Logistics Squadrons (MALS) designated for 4BW and 4BN support of Marine Aircraft Groups. Maintenance at the intermediate level is conducted per specific instructions contained in the maintenance instruction manuals for each aircraft system. Intermediate maintenance consists of repair, test, and calibration of WRAs, Shop Replaceable Assemblies (SRAs), and Support Equipment.

(1) Preventive Maintenance. Preventive maintenance in support of the 4BW and 4BN Aircraft operating activities is performed by intermediate activities per appropriate MRCs. Preventive maintenance at this level includes non-destructive inspection, functional testing and inspection of aviation life support equipment, and inspection and treatment for corrosion of removed WRAs and SRAs.

(2) Corrective Maintenance. Corrective maintenance actions performed in support of 4BW and 4BN Aircraft activities by MALS personnel include repair, test, and modification of aeronautical equipment, calibration of support equipment, and disposition of assets from stricken aircraft. Corrective maintenance will be performed to verify faulty WRAs and fault isolate to an SRA component using the appropriate test equipment. The MALS will also perform first degree repairs on the T-700 engine.

c. Depot. Depot level maintenance consists of major overhaul or complete rebuilding, manufacture, or modifications of parts, assemblies, subassemblies, and end items which are beyond the capabilities of intermediate level activities. The primary depot for the 4BW and 4BN will be Corpus Christi Army Depot, Corpus Christi, Texas.

d. Interim Maintenance. Maintenance in support of TECHEVAL will be the responsibility of the contractor. During OPEVAL, organizational maintenance will be performed by factory trained personnel and intermediate maintenance will be provided by the contractor.

The contractor will provide engineering and technical services until the Government Support Date (GSD). The GSD is estimated for third quarter FY09.

e. Life-Cycle Maintenance Plan. Life-cycle maintenance in support of the 4BW and 4BN has not been defined.

3. Manning Concept. The current AH-1W and UH-1N manpower requirements are contained in the Marine Helicopter Light Attack Squadron (HMLA) Table of Organization (T/O) 8970 (active) and 8970A (reserve). The HMLA is a composite squadron containing 18 AH-1W aircraft and nine UH-1N aircraft. The current manpower requirements for the Marine Helicopter Training Squadron (HMT) are found in T/O 8590, which is also a composite squadron. The AH-1W and UH-1N share the same Military Occupational Specialty (MOS) designations for all billets except pilots. An AH-1W pilot is designated as MOS 7565, while a UH-1N pilot is designated as MOS 7563. The UH-1N also utilizes a Crew Chief, MOS 6174. The AH-1W does not have a requirement for this position.

Based on a task and skill analysis performed by the Naval Air Systems Command (AIR-3.4.1), it was determined that the 4BW and 4BN aircraft will not generate a need for additional skills. As a result, new MOSs are not required.

4. Training Concept. The USMC H-1 Upgrades Program consists of replacing existing components with new or modified ones. Because of this, the most cost effective method of providing training to HMLA operator and maintenance personnel is to utilize existing training activities and resources to the maximum extent. The existing AH-1W and UH-1N training courses will be modified to include data on new and modified equipment, and used as the 4BW and 4BN training media.

The established training concept for most aviation maintenance training divides "A" School courses into two or more segments called Core and Strand. The "C" School courses are also divided into separate Initial and Career training courses. "A" School Core courses include general knowledge and skills training for the particular rating, while "A" School Strand courses focus on the more specialized training requirements for that rating and a specific aircraft or equipment, based on the student's fleet activity destination. Strand training immediately follows Core training and is part of the "A" School. Upon completion of Core and Strand "A" School, graduates attend the appropriate Initial "C" School for additional specific training. Initial "C" School training is intended for students with a paygrade of E-4 and below. Career "C" School training is provided for E-5 and above personnel to enhance skills and knowledge within their field.

A complete pilot/aircrew academic computer-based training course has been developed for the AH-1W, which should be given consideration for incorporation of aircraft system changes. In addition, there is also a UH-1N sound/slide-based operator oriented curriculum in place at HMT-303, which should receive benefit of system upgrades. Both sets of curricula are in place and will be subject to life-cycle support revision and maintenance provided by contractor support

personnel. There are limited provisions to add new training objectives to the curriculum at that time.

a. Initial Training. AH-1W and UH-1N maintenance training is the responsibility of HMT-303 Fleet Replacement Enlisted Skills Training (FREST) Marine Corps Air Station (MCAS), Camp Pendleton, California. Personnel from HMT-303 FREST and Naval Aviation Engineering Service Unit will require initial training on 4BW and 4BN equipment added or modified to prepare curriculum materials for the appropriate maintenance training courses. Additionally, OPEVAL and TECHEVAL personnel will require initial training to successfully perform their functions. Initial training will be provided by Bell Helicopter Textron, Incorporated in FY02. The exact number of personnel to receive initial training has not been determined. When this information becomes available, it will be included in updates to this document.

b. Follow-on Training. Follow-on training will consist of existing courses modified to include the 4BW and 4BN components data. The courses listed in the following subparagraphs are existing courses that require modification to include 4BW and 4BN equipment and systems. Bell Helicopter Textron, Incorporated will provide difference data modules that will be incorporated into existing follow-on training courses.

(1) Operator. Organizational level operator follow-on training will involve a number of existing courses. Some of these courses will require substantial modifications, while others will only require minor modifications. These training courses are currently on line. 4BW and 4BN training is expected to be included in this training and be Ready For Training (RFT) in FY04.

Title	AH-1W Pilot Familiarization
CIN	C-2C-3356
Model Manager ...	HMT-303
Description	To provide Pilots with the skills and knowledge required to fly AH-1W Helicopters.
Location	HMT 303, MCAS Camp Pendleton, California
Length	11 days
RFT date	Currently available
Skill identifier	MOS 7565
TTE/TD	Weapon System Trainer (WST) 2F136 and Aircrew Procedures Trainer (APT) 2F170
Prerequisites	Graduate of Naval Aviation Flight School, Secret Clearance

Title	UH-1N Pilot Familiarization
CIN	C-2C-3352
Model Manager ...	HMT-303
Description	To provide Pilots with the skills and knowledge required to fly UH-1N Helicopters.
Location	HMT 303, MCAS Camp Pendleton

Length 4 days
 RFT date Currently available
 Skill identifier MOS 7563
 TTE/TD WST 2F161
 Prerequisites Graduate of Naval Aviation Flight School

Title UH-1N Crew Chief Training Syllabus
 CIN M-601-2015
 Model Manager ... HMT-303
 Description To provide Aircrewmen with the skills required to become Crew Chiefs.
 Location HMT-303 MCAS Camp Pendleton
 Length 138 days
 RFT date Currently available
 Skill identifier MOS 6174
 TTE/TD Refer to Section IV.A.1 for detailed information
 Prerequisites Basic Helicopter Class M1 (C-600-2010, Naval Aircrewman Candidate School)

(2) Maintenance. Follow-on maintenance training will involve a number of existing training tracks and training courses. Some of these courses within the training tracks will require substantial modifications, while others will only require minor modifications. Some courses will not require modifications. The required modifications to include 4BW and 4BN in the existing training are expected to be RFT in FY02. Below are the existing training tracks:

Title H-1 Communication, Navigation, Identification System Maintenance
 CIN M-102-2024
 Model Manager ... HMT-303
 Description To provide training to newly assigned personnel in all aspects of Communication, Navigation, Identification (CNI) systems.
 Location HMT-303 FREST MCAS Camp Pendleton
 Length 103 days
 RFT date Currently available
 Skill identifier MOS 6324
 TTE/TD Refer to Section IV.A.1 for detailed information
 Prerequisites Avionics Technician O Level Class A1 (C-100-2018) and Secret Clearance

Title AH-1T/J and UH-1N Power Plants, Power Trains and Rotors Maintenance
 CIN M-601-2014
 Model Manager ... HMT-303

Description To train newly assigned personnel in the function, operation, removal, and replacement of all major and minor components.

Location HMT-303 FREST MCAS Camp Pendleton

Length 89 days

RFT date Currently available

Skill identifier MOS 6114, AD NEC 8380

TTE/TD Refer to Section IV.A.1 for detailed information

Prerequisites Aviation Machinist's Mate Common Core Class A1 (C-601-2011) and Aviation Machinist's Mate Helicopter Fundamentals Strand Class A1 (C-601-2012)

Title Helicopter Airframe Mechanic A/UH-1

CIN M-602-2081

Model Manager ... HMT-303

Description To train airframes personnel to operate, troubleshoot, maintain, and repair the A/UH-1 structures, hydraulics, and related systems.

Location HMT-303 FREST MCAS Camp Pendleton

Length 30 days

RFT date Currently available

Skill identifier MOS 6154, AMH/S NEC 8380

TTE/TD Refer to Section IV.A.1 for detailed information

Prerequisites Aviation Structural Mechanic (Structures and Hydraulics) Intermediate Level Strand Class A1 (C-603-0176)

Title UH-1N Electrical Instrument Systems Organizational Maintenance

CIN M-602-2051

Model Manager ... HMT-303

Description To train electrical personnel in all aspects of UH-1N electrical and instrument systems.

Location HMT-303 FREST MCAS Camp Pendleton

Length 59 days

RFT date Currently available

Skill identifier AE NEC 8380

TTE/TD Refer to Section IV.A.1 for detailed information

Prerequisites Avionics Common Core Class A1 (C-100-2020) and Aviation Electrician's Mate O Level Strand Class A1 (C-602-2039)

Title UH-1N Communication, Navigation, Identification Systems Organizational Maintenance

CIN M-102-2021

Model Manager ... HMT-303
Description To provide training in all aspects of the CNI and related systems of the UH-1N.
Location HMT-303 FREST MCAS Camp Pendleton
Length 38 days
RFT date Currently available
Skill identifier AT NEC 8380
TTE/TD Refer to Section IV.A.1 for detailed information
Prerequisites Avionics Technician "O" Level Class A1 (C-100-2018)

Title H-1 Armament Systems Maintenance
CIN M-646-2044
Model Manager ... HMT-303
Description To train MOS 6531 personnel in the basic maintenance procedures of the UH-1N and AH-1W.
Location HMT-303 FREST MCAS Camp Pendleton
Length 65 days
RFT date Currently available
Skill identifier MOS 6531
TTE/TD Refer to Section IV.A.1 for detailed information
Prerequisites Aviation Ordnanceman Common Core Class A1 (C-646-2011) and Aviation Ordnanceman Airwing Strand Class A1 (C-646-2012)

Title Support Equipment Engine/Gas Turbine and Related Systems Intermediate Maintenance
CIN D/E-602-7040
Model Manager ... MTU 1068 NAMTGD
Description To train MOS 6072 personnel to support engine, gas turbine, and related systems.
Location MTU 1068 NAMTGD, Jacksonville, Florida
MTU 1067 NAMTGD, North Island, California
Length 115 days
RFT date Currently available
Skill identifier MOS 6072
TTE/TD Refer to Section IV.A.1 for detailed information
Prerequisites Aviation Support Equipment Technician Class A1 (C-602-2026)

Title Support Equipment Electrical/ Refrigeration Intermediate Maintenance
CIN D/E-602-7032
Model Manager ... MTU 1068 NAMTGD

Description To train MOS 6073 personnel to support electrical and refrigeration systems.
 Location MTU 1068 NAMTGD Jacksonville
 MTU 1067 NAMTGD North Island
 Length 107 days
 RFT date Currently available
 Skill identifier MOS 6073
 TTE/TD Refer to Section IV.A.1 for detailed information
 Prerequisites Aviation Support Equipment Technician Class A1 (C-602-2026)

Title Airframes Intermediate Maintenance
 CIN D/E-603-4007
 Model Manager ... MTU 1039 NAMTGD
 Description To train airframes personnel in intermediate maintenance.
 Location MTU 1039 NAMTGD Cecil Field, Florida
 MTU 1038 NAMTGD Lemoore, California
 Length 30 days
 RFT date Currently available
 Skill identifier MOS 6092, Aviation Structural Mechanic (Structures)
 AMS NEC 7232
 TTE/TD Refer to Section IV.A.1 for detailed information
 Prerequisites Aviation Structural Mechanic (Structures and Hydraulics)
 Common Core Class A1 (C-603-0175)

Title F-18 Hydraulic Components Intermediate Maintenance
 CIN D/E-602-4007
 Model Manager ... MTU 1007 NAMTGD
 Description To train hydraulics personnel in the proper procedures.
 Location MTU 1007 NAMTGD Oceana, Virginia
 MTU 1008 NAMTGD Miramar, California
 Length 53 days
 RFT date Currently available
 Skill identifier MOS 6094
 TTE/TD Refer to Section IV.A.1 for detailed information
 Prerequisites Aviation Structural Mechanic (Structures and Hydraulics)
 Common Core Class A1 (C-603-0175)

Title Helicopter Dynamic Component Intermediate Maintenance
 CIN M-601-3090
 Model Manager ... HMT-302
 Description To train personnel to perform maintenance on UH-1N rotors and related components.

Location HMT-302 FREST MCAS New River, North Carolina
 Length 29 days
 RFT date Currently available
 Skill identifier MOS 6132, AD NEC 6428
 TTE/TD Refer to Section IV.A.1 for detailed information
 Prerequisites Aviation Machinist's Mate Common Core Class A1 (C-601-2011) and Aviation Machinist's Mate Helicopter Fundamentals Strand Class A1 (C-601-2012), and Basic Helicopter Class M1 (C-600-2010)

Title T-400 Engine First Degree Intermediate Maintenance
 CIN M-601-3027
 Model Manager ... HMT-303
 Description To provide training in the procedures of the helicopter power plant mechanics.
 Location HMT-303 FREST MCAS Camp Pendleton
 Length 53 days
 RFT date Currently available
 Skill identifier MOS 6124
 TTE/TD Refer to Section IV.A.1 for detailed information
 Prerequisites Aviation Machinist's Mate Common Core Class A1 (C-601-2011) and Aviation Machinist's Mate Helicopter Fundamentals Strand Class A1 (C-601-2012)

Title Aircraft Communications Equipment Intermediate Maintenance
 CIN M-102-6412
 Model Manager ... VMAT-203
 Description To provide intermediate level training on aircraft transceivers and receivers.
 Location VMAT-203 FREST MCAS Cherry Point, North Carolina
 Length 79 days
 RFT date Currently available
 Skill identifier MOS 6412
 TTE/TD Refer to Section IV.A.1 for detailed information
 Prerequisites Avionics Common Core Class A1 (C-100-2020) and Avionics Technician I Level Class A1 (C-100-2017) and Confidential Clearance

Title Aircraft Navigation Systems Equipment Intermediate Maintenance
 CIN M-102-6413
 Model Manager ... VMAT-203
 Description To provide intermediate level training on transponders, TACANs, radar identification, and radar altimeters.

Location VMAT-203 FREST MCAS Cherry Point
 Length 65 days
 RFT date Currently available
 Skill identifier MOS 6413
 TTE/TD Refer to Section IV.A.1 for detailed information
 Prerequisites Avionics Common Core Class A1 (C-100-2020) and
 Avionics Technician I Level Class A1 (C-100-2017)

Title Cryptographic Equipment Intermediate Maintenance
 CIN D/E-102-6122
 Model Manager ... MTU 1039 NAMTGD Cecil Field
 Description To provide training on cryptographic equipment.
 Location MTU 1039 NAMTGD Cecil Field
 MTU 1038 NAMTGD Lemoore
 Length 15 days
 RFT date Currently available
 Skill identifier MOS 6422
 TTE/TD Refer to Section IV.A.1 for detailed information
 Prerequisites Avionics Common Core Class A1 (C-100-2020) and
 Avionics Technician I Level Class A1 (C-100-2017), and
 Secret Crypto Clearance

**Title H-1 Aircraft Electrical Instrument/Automatic Flight
 Control System Equipment Intermediate Maintenance**
 CIN M-602-5811
 Model Manager ... HMT-303
 Description To provide intermediate level training on H-1 electrical,
 instrument, and automatic flight control systems.
 Location HMT-303 FREST MCAS Camp Pendleton
 Length 66 days
 RFT date Currently available
 Skill identifier MOS 6433
 TTE/TD Refer to Section IV.A.1 for detailed information
 Prerequisites Avionics Common Core Class A1 (C-100-2020) and
 Aviation Electricians Mate O Level Strand Class A1 (C-
 602-2039) and Confidential Clearance

**Title Helicopter Deceptive Electronic Countermeasures
 Intermediate Maintenance**
 CIN M-102-6483
 Model Manager ... VMAT-203
 Description To provide training in the test and repair of the components
 of the deceptive electronic countermeasures package.
 Location VMAT-203 FREST MCAS Cherry Point
 Length 73 days

RFT date Currently available
 Skill identifier..... MOS 6483
 TTE/TD Refer to Section IV.A.1 for detailed information
 Prerequisites Avionics Common Core Class A1 (C-100-2020) and
 Avionics Technician I Level Class A1 (C-100-2017) and
 Secret Clearance

Title Advanced Calibration Technician
 CIN C-198-2011
 Model Manager ... NTTU
 Description To provide technical training in advanced electronic
 calibration concepts.
 Location Naval Technical Training Unit (NTTU), Keesler Air Force
 Base, Mississippi
 Length 82 days
 RFT date Currently available
 Skill identifier..... MOS 6492
 TTE/TD Refer to Section IV.A.1 for detailed information
 Prerequisites Avionics Common Core Class A1 (C-100-2020) and
 Aviation Basic Calibration Technician (C-198-2012)

Title Hydraulic Components Intermediate Maintenance
 CIN E-602-4008
 Model Manager ... MTU 1008 NAMTGD Miramar
 Description To provide training on the HCT-10 Hydraulics Test Stand.
 Location MTU 1008 NAMTGD Miramar
 Length 23 days
 RFT date Currently available
 Skill identifier AMH/S NEC 7212
 TTE/TD Refer to Section IV.A.1 for detailed information
 Prerequisites Aviation Structural Mechanic (Hydraulics and Structures)
 Common Core Class A1 (C-603-0175)

Title Micro-miniature Electronics Repair
 CIN A-100-0073
 Model Manager ... Fleet Training Center, San Diego
 Description To provide training to perform micro-miniature electronics
 repair.
 Location Fleet Training Center, San Diego, California
 Length 12 days
 RFT date Currently available
 Skill identifier MOS 6423
 TTE/TD Refer to Section IV.A.1 for detailed information

Prerequisites Avionics Technician I Level Class A1 (C-100-2017) and Miniature Electronics Repair (A-100-0072)

Title Aviation Ordnance Technician Intermediate Maintenance

CIN M-646-7026

Model Manager ... VMAT-203

Description To provide ordnance personnel with sufficient instruction to handle missiles.

Location VMAT-203, MCAS Cherry Point, North Carolina

Length 79 days

RFT date Currently available

Skill identifier MOS 6541

TTE/TD Refer to Section IV.A.1 for detailed information

Prerequisites Aviation Ordnanceman Common Core Class A1 (C-646-2011) and Aviation Ordnanceman Airwing Strand Class A1 (C-646-2013) and Confidential Clearance

c. Student Profiles

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
MOS 6433	C-602-2039, Aviation Electrician's Mate O Level Strand Class A1
MOS 6324	C-100-2018, Avionics Technician O Level Class A1
MOS 6412 AT 6613	C-100-2017, Avionics Technician I Level Class A1
MOS 6413	C-100-2017, Avionics Technician I Level Class A1
MOS 6423	C-100-2017, Avionics Technician I Level Class A1 and A-100-0072, Miniature Electronics Repair
MOS 6114 AD 8380	C-601-2012, Aviation Machinist's Mate Helicopter Fundamentals Strand Class A1
MOS 6124	C-601-2012, Aviation Machinist's Mate Helicopter Fundamentals Strand Class A1

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
MOS 6154 AMH/S 8380	C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Common Core Class A1 or C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Intermediate Level Strand Class A1
MOS 6531	C-646-2012, Aviation Ordnanceman Airwing Strand Class A1
MOS 6541	C-646-2012, Aviation Ordnanceman Airwing Strand Class A1
AMH/S 7212	C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Common Core Class A1 or C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Intermediate Level Strand Class A1
MOS 6092 AMS 7232	C-603-2013, Aviation Structural Mechanic S (Structures) Organizational Level Strand Class A1
MOS 6094	C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Common Core Class A1 or C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Intermediate Level Strand Class A1
MOS 6132 AD 6428	C-601-2012, Aviation Machinist's Mate Helicopter Fundamentals Strand Class A1
MOS 6072	C-602-2026, Aviation Support Equipment Technician Class A1
MOS 6073	C-602-2026, Aviation Support Equipment Technician Class A1
MOS 6492	C-198-2012, Aviation Basic Calibration Technician
MOS 6483	C-100-2017, Avionics Technician I Level Class A1
MOS 6072	C-602-2026, Aviation Support Equipment Technician Class A1

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
MOS 6422	C-100-2017, Avionics Technician I Level Class A1
AT 8380	C-100-2018, Avionics Technician O Level Class A1
AE 8380	C-602-2039, Aviation Electricians Mate O Level Strand Class A1

d. Training Pipelines. No new training pipelines or tracks will be required to support the 4BW/4BN alternative. The training tracks and courses currently supporting AH-1W and UH-1N will be modified to include the new systems and equipment. These modifications will not increase the current track or course lengths.

I. ON-BOARD (IN-SERVICE) TRAINING

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

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

AMTCS redesigns the aviation training process (training continuum), and introduces Computer-Based Training (CBT) throughout the Navy technical training process. The application and adoption of recent advances in computer hardware and software technology have enabled CBT, with its basic elements of Computer Managed Instruction (CMI), Computer Aided

Instruction (CAI), and Interactive Courseware (ICW), to be integrated into the training continuum and provide essential support for standardizing technical training.

2. Personnel Qualification Standards. NA.

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

J. LOGISTICS SUPPORT

1. Manufacturer and Contract Numbers

CONTRACT NUMBER	MANUFACTURER	ADDRESS
TBD	Bell Helicopter Textron, Incorporated	P.O. Box 482 Fort Worth, TX 76101

2. Program Documentation. The USMC H-1 Upgrades Integrated Logistics Support Plan, dated 14 August 1996, will be continually updated throughout the acquisition process.

3. Technical Data Plan. The technical manuals required to support the 4BW and 4BN aircraft and training will be updated by the contractor and are expected to be completed fourth quarter FY01. More information on technical manuals will be included in updates to this NTSP as it becomes available.

4. Test Sets, Tools, and Test Equipment. Special test sets, tools, and test equipment to support the 4BW and 4BN Aircraft have not yet been identified. When this information becomes available, it will be included in updates to this NTSP.

5. Repair Parts. The contractor will provide interim supply support, including vendor items required to support the 4BW and 4BN until the Material Support Date (MSD). Planned MSD for the 4BN is FY07, and FY08 for the 4BW.

6. Human Systems Integration. There will be no change to force mix (military, civilians, or contractor) as a result of the 4BW and 4BN aircraft.

K. SCHEDULES

1. Schedule of Events. The AH-1W and UH-1N aircraft will be upgraded as 4BW and 4BN respectively.

a. Installation and Delivery Schedules. Below is a schedule of the number of aircraft to be upgraded by type aircraft and the FY that upgrades will begin.

UPGRADE SCHEDULE BY FY AND TYPE AIRCRAFT											
ACFT	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	TOTAL ACFT
4BW	0	5	12	24	24	24	24	24	24	19	180
4BN	5	12	12	12	12	12	12	12	11	0	100

b. Ready For Operational Use Schedule. The 4BW and 4BN will be considered ready for use upon completion of upgrades and delivery to the operating units.

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

d. Foreign Military Sales and Other Source Delivery Schedule. No foreign or other military sales are planned at this time.

e. Training Device and Delivery Schedule. The 4BW/4BN alternative will affect numerous training devices associated with both the AH-1W and UH-1N Aircraft. A synopsis of the changes and modifications to these devices is listed below. The exact design information for the 4BW and 4BN components is not available at this time. As a result, the requirements listed in the following paragraphs are a “best guess” based on available information and conversations with Subject Matter Experts.

(1) AH-1W Composite Maintenance Trainer. The Composite Maintenance Trainer (CMT) is a full aircraft trainer. There are currently two CMTs at HMT-303 FREST MCAS Camp Pendleton, California, device #667 and device #678. A third CMT will be required to facilitate 4BW aircraft training requirements. These devices will require modification to reflect the new equipment and systems of the 4BW. These CMTs support the following maintenance courses:

CIN	TITLE
C-102-9354	H-1 Communication, Navigation, Identification and Related Systems Integrated Organizational Maintenance
C-104-3351	AH-1W Night Targeting System

CIN	TITLE
C-198-9351	AH-1W Tow-Hellfire Control and Display System Integrated Maintenance
C-600-9363	H-1 Airframes Systems Integrated Organizational Maintenance
C-601-9351	AH-1W Power Trains Rotors and Related Systems Integrated Organizational Maintenance
C-602-9360	H-1 Electrical and Stability Control Augmentation System Integrated Organizational Maintenance
C-646-9361	H-1 Armament Repair Integrated Organizational Maintenance

(2) **UH-1N Composite Maintenance Trainer 310101.** The CMT is a UH-1N that has been modified by stubbing the rotor blades and adding a power supply and emergency switches. The CMT will require modification to reflect the new equipment and systems of the 4BN. The CMT is located at HMT-303 FREST, MCAS Camp Pendleton and is used as the UH-1N Armament Trainer and Hydraulic Trainer. The following maintenance courses utilize the CMT:

CIN	TITLE
C-600-9355	UH-1N Power Trains Rotors and Related Systems Integrated Organizational Maintenance
C-600-9363	H-1 Airframes Systems Integrated Organizational Maintenance
C-646-9361	H-1 Armament Repair Integrated Organizational Maintenance
C-602-9360	H-1 Electrical and Stability Control Augmentation System Integrated Organizational Maintenance

(3) **AH-1W Weapon System Trainer, Device 2F136.** One WST, device 2F136, is located at HMT-303 MCAS Camp Pendleton. The other is located at MCAS New River, North Carolina. Both WSTs will require modification to reflect the new equipment and systems for the 4BW CID.

(4) **UH-1N Weapon System Trainer, Device 2F161.** The WST, device 2F161, is a trainer that includes a tactical environment simulation which allows aviators to train in a realistic environment. The WST is a replica of the UH-1N cockpit that will require extensive

software modification if the new equipment or systems of the 4BN cause any change in cockpit configuration. The WST is located at HMT-303 MCAS Camp Pendleton.

(5) Cockpit Control System Part Task Trainers. The nine Cockpit Control System (CCS) Part Task Trainers (PTTs) will require software upgrades to reflect the configuration changes for the 4BW.

(6) Aircrew Procedure Trainer, Device 2F170. The three APTs, device 2F170, one active and two reserve, are trainers that will require modification to reflect the new equipment and systems for the 4BW.

(7) Mobile Weapon System Trainer. The Mobile Weapon System Trainer (MWST) was delivered in August 97 and belongs to the Reserves. It will require modification to reflect the new equipment and systems for the 4BW.

(8) UH-1N Cockpit Procedures Trainer, Device 2C69. There are two Cockpit Procedures Trainers (CPTs), device 2C69. These CPTs are being upgraded to APTs, Device 2F175, and contain a replica of the UH-1N cockpit that will require extensive software modification, in addition to any hardware modifications that the new equipment or systems of the 4BN may cause in cockpit configuration. Once upgraded, they are scheduled to be located at MCAS New River and MCAS Futenma, Japan.

(9) UH-1N Avionics Trainer. The Avionics Trainer (AVT), a stricken aircraft modified for training, will require modification to reflect the new equipment and systems of the 4BN. The AVT is located at HMT-303 FREST, MCAS Camp Pendleton. This trainer is the UH-1N Avionics Systems Trainer for the following maintenance course:

CIN	TITLE
C-102-9354	H-1 Communications, Navigation, Identification, and Related Systems Integrated Organizational Maintenance

(10) AH-1T Drive Control. The Drive Control is from an AH-1T Aircraft, but is used for AH-1W training. A 4BW equivalent will be required to reflect new equipment and systems of the 4BN. The AH-1T Drive Control is located at HMT-303 FREST, MCAS Camp Pendleton and is used by the following maintenance courses:

CIN	TITLE
C-600-9363	H-1 Airframes Systems Integrated Organizational Maintenance
C-601-9351	AH-1W Powertrains Rotors and Related Systems Integrated Organizational Maintenance

(11) UH-1N Electrical/Armament Trainer. The Electrical/Armament Trainer (EAT) is a UH-1N skeleton with electrical system and defensive armament system installed. It will require modification to reflect new equipment and systems of the 4BN. The EAT is located at HMT-303 FREST, MCAS Camp Pendleton.

The following is a training device modification schedule by activity, type of device, modification dates, and RFT dates.

TRAINING DEVICE MODIFICATION SCHEDULE								
ACTIVITY	4BW 2F136 WST	4BN 2F161 WST	4BW 2F170 APT	4BN 2F175 APT	4BW NAMT	4BN NAMT	MOD DATE	RFT DATE
HMT-303 MCAS Camp Pendleton	1	1	1		1	2* 1*	FY03 FY06 FY01 FY02 FY04 FY08	FY04 FY07 FY02 FY03 FY05 FY09
MCAS New River	1			1			FY07 FY02	FY08 FY03
MCAS Futenma				1			FY02	FY03
NAS Atlanta, Georgia			1				FY04	FY05
NAS New Orleans, Louisiana			1				FY04	FY05

* The “2” represents the EAT and AVT. The “1” represents the CMT.

(12) Technical Training Equipment. The following aircraft Technical Training Equipment (TTE) will be required for the indicated maintenance training courses. The 4BW and 4BN equivalents will be required for these courses.

CIN	TTE	PART NUMBER
C-600-9355 C-601-4408	Engine Assembly	T-700-GE-401
C-602-3342	SCAS Compensator, Armament SCAS Flight Control Panel SCAS Trim Control Unit	209-074-092-1 209-074-070-1 209-074-130-1
C-602-3358	Bearing Indicator RPM Limit Alarm Displacement Gyroscope Navigation Computer Control Navigation Computer Power Supply ASN-75 Compensator Aircraft Landing Light Compass Indicator Panel Induction Transmitter Linear Actuator Bleed Air Valve	137200 209-075-326-1 2586077-1 2589386-902 2575892 2590497 45-0128-3 75-0197-3 MS25396 SYLC50114 9791442-3-1
C-602-3457	Rotor Head Tail Rotor Assembly Swashplate Scissors and Sleeve Main Drive Shaft 42 Degree Gearbox 90 Degree Gearbox Coupler and Hangar Assemblies	(See note below)
C-646-3346	Armament Jettison Control Armament Distribution Box Armament Control Panel Assembly	1978723-1 3759062-1 3822093-1

Note: Part numbers are not available for the TTE to be used to support this course.

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

M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS

DOCUMENT OR NTSP TITLE	DOCUMENT OR NTSP NUMBER	PDA CODE	STATUS
AH-1W Navy Training Plan	A-50-8520D	PMA205	March 1996
HH/UH-1N Navy Training Plan	A-50-9404/D	PMA205	October 1994
Operational Requirement Document for the Improved Assault Support, Combat Utility Capability		CG MCCDC	August 1996
Operational Requirements AAS-53 Document for the AH-1W Mid-Life Upgrade		CG MCCDC	July 1996 CH-1
Operational Requirements AAS-51 Document for the UH-1N Mid-Life Upgrade		CG MCCDC	July 1996 CH-1

PART II - BILLET AND PERSONNEL REQUIREMENTS

The following elements are not affected by the USMC H-1 Upgrades Program and therefore, are not included in Part II of this NTSP.

II.A.2.a. Operational and Fleet Support Activities Deactivation Schedule

II.A.2.b. Billets to be Deleted in Operational and Fleet Support Activities

II.A.2.c. Total Billets to be Deleted in Operational and Fleet Support Activities

II.A.3. Training Activities Instructor and Support Billet Requirements Instructor Billets

Note: The Navy billets currently assigned to HMT-303, MCAS Camp Pendleton, will no longer be required when H-1 Upgrades have been completed. When the new Table of Organization has been developed, this information will be included in updates to this NTSP. The Navy billets are currently included in Sections II and III.

PART II - BILLET AND PERSONNEL REQUIREMENTS

II.A. BILLET REQUIREMENTS

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

SOURCE: PMA205-2C

DATE: 1/4/96

ACTIVITY, UIC	PFYs	CFY98	FY99	FY00	FY01	FY02
OPERATIONAL ACTIVITY	USMC					
HMLA 167 New River 09868	1	0	0	0	0	0
HMLA 169 Camp Pendleton 09202	1	0	0	0	0	0
HMLA 267 Camp Pendleton 09159	1	0	0	0	0	0
HMLA 269 New River 08998	1	0	0	0	0	0
HMLA 367 Camp Pendleton 09079	1	0	0	0	0	0
HMLA 369 Camp Pendleton 09361	1	0	0	0	0	0
HMLA 773 Marietta 09431	1	0	0	0	0	0
HMLA 775 Bell Chase 09415	1	0	0	0	0	0
HMLA 775 Camp Pendleton 55257	1	0	0	0	0	0
HMT-303 Camp Pendleton 55176	1	0	0	0	0	0
HMX-1 Quantico 55173	1	0	0	0	0	0
TOTAL:	11	0	0	0	0	0

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIGN RATING	PNEC/SNEC PMOS/SMOS
	OFF	ENL		

Manpower requirements for USMC Activities are shown in the following T/Os:

HMLA 167 New River	09868	68	382	T/O: 8970 of April 1996
HMLA 169 Camp Pendleton	09202	68	382	T/O: 8970 of April 1996
HMLA 267 Camp Pendleton	09159	68	382	T/O: 8970 of April 1996
HMLA 269 New River	08998	68	382	T/O: 8970 of April 1996
HMLA 367 Camp Pendleton	09079	68	382	T/O: 8970 of April 1996
HMLA 369 Camp Pendleton	09361	68	382	T/O: 8970 of April 1996
HMLA 773 Marietta	09431	42	267	T/O: 8970C of April 1996 See Note 1.
HMLA 775 Bell Chase	09415	20	112	T/O: 8970B of April 1996
HMLA 775 Camp Pendleton	55257	48	261	T/O: 8970A of April 1996
HMT-303 Camp Pendleton	55176	55	428	T/O: 8590 of April 1996
HMX-1 Quantico	55173	14	43	T/O: 8990 of April 1996

Note 1: A new T/O for HMLA 773 Marietta includes a detachment at NAS Willow Grove, Pennsylvania. The detachment billets are not included in this version of the NTSP, but will be included in the next update.

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

DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
OPERATIONAL ACTIVITY - ACDU													
LCDR	1310	1	0	0	0	0	0	0	0	0	0	0	0
LT	1310	6	0	0	0	0	0	0	0	0	0	0	0
LT	2102	9	0	0	0	0	0	0	0	0	0	0	0
ADCS	0000	0	1	0	0	0	0	0	0	0	0	0	0
AD1	6417	0	1	0	0	0	0	0	0	0	0	0	0
AD1	8380	0	2	0	0	0	0	0	0	0	0	0	0
AD2	6417	0	1	0	0	0	0	0	0	0	0	0	0
AD2	8380	0	2	0	0	0	0	0	0	0	0	0	0
AD2	9502	8380	0	2	0	0	0	0	0	0	0	0	0
AD3	8380	0	3	0	0	0	0	0	0	0	0	0	0
ADAN	8380	0	3	0	0	0	0	0	0	0	0	0	0
AE1	8380	0	2	0	0	0	0	0	0	0	0	0	0
AE2	8380	0	2	0	0	0	0	0	0	0	0	0	0
AE2	9502	8215	0	1	0	0	0	0	0	0	0	0	0
AE3	8380	0	2	0	0	0	0	0	0	0	0	0	0
AEAN	8380	0	2	0	0	0	0	0	0	0	0	0	0
AK2	0000	0	1	0	0	0	0	0	0	0	0	0	0
AMH2	8380	0	1	0	0	0	0	0	0	0	0	0	0
AMH3	7212	0	1	0	0	0	0	0	0	0	0	0	0
AMH3	8380	0	3	0	0	0	0	0	0	0	0	0	0
AMSC	0000	0	1	0	0	0	0	0	0	0	0	0	0
AMS1	8215	9502	0	1	0	0	0	0	0	0	0	0	0
AMS1	8380	0	2	0	0	0	0	0	0	0	0	0	0
AMS2	7232	0	1	0	0	0	0	0	0	0	0	0	0
AMS2	8215	9502	0	2	0	0	0	0	0	0	0	0	0
AMS2	8380	0	1	0	0	0	0	0	0	0	0	0	0
AMS3	8380	0	1	0	0	0	0	0	0	0	0	0	0
AMSAN	8380	0	2	0	0	0	0	0	0	0	0	0	0
AT1	8380	0	2	0	0	0	0	0	0	0	0	0	0
AT2	8380	0	2	0	0	0	0	0	0	0	0	0	0
AT3	8380	0	2	0	0	0	0	0	0	0	0	0	0
ATAN	8380	0	2	0	0	0	0	0	0	0	0	0	0
AZ2	0000	0	1	0	0	0	0	0	0	0	0	0	0
HM1	8406	0	9	0	0	0	0	0	0	0	0	0	0
HM2	8406	0	23	0	0	0	0	0	0	0	0	0	0
HM3	8406	0	1	0	0	0	0	0	0	0	0	0	0
PN2	0000	0	1	0	0	0	0	0	0	0	0	0	0
PR3	0000	0	1	0	0	0	0	0	0	0	0	0	0
PRAN	0000	0	1	0	0	0	0	0	0	0	0	0	0
YN1	0000	0	1	0	0	0	0	0	0	0	0	0	0
OPERATIONAL ACTIVITY - AR													
WO	0170	2	0	0	0	0	0	0	0	0	0	0	0
MAJ	7563	3	0	0	0	0	0	0	0	0	0	0	0
CAPT	7563	6	0	0	0	0	0	0	0	0	0	0	0
MAJ	7565	3	0	0	0	0	0	0	0	0	0	0	0
CAPT	7565	3	0	0	0	0	0	0	0	0	0	0	0
CPL	0121	0	5	0	0	0	0	0	0	0	0	0	0

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

DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MSGT	0193	0	2	0	0	0	0	0	0	0	0	0	0
SSGT	0231	0	2	0	0	0	0	0	0	0	0	0	0
SGT	6046	0	1	0	0	0	0	0	0	0	0	0	0
CPL	6046	0	2	0	0	0	0	0	0	0	0	0	0
SSGT	6047	0	2	0	0	0	0	0	0	0	0	0	0
CPL	6060	0	3	0	0	0	0	0	0	0	0	0	0
SGT	6072	0	1	0	0	0	0	0	0	0	0	0	0
CPL	6073	0	3	0	0	0	0	0	0	0	0	0	0
GYSGT	6114	0	4	0	0	0	0	0	0	0	0	0	0
SSGT	6114	0	2	0	0	0	0	0	0	0	0	0	0
SGT	6114	0	10	0	0	0	0	0	0	0	0	0	0
CPL	6114	0	9	0	0	0	0	0	0	0	0	0	0
LCPL	6114	0	3	0	0	0	0	0	0	0	0	0	0
GYSGT	6154	0	2	0	0	0	0	0	0	0	0	0	0
SGT	6154	0	2	0	0	0	0	0	0	0	0	0	0
CPL	6154	0	3	0	0	0	0	0	0	0	0	0	0
CPL	6324	0	4	0	0	0	0	0	0	0	0	0	0
GYSGT	6531	0	2	0	0	0	0	0	0	0	0	0	0
SSGT	6531	0	1	0	0	0	0	0	0	0	0	0	0
SGT	6531	0	2	0	0	0	0	0	0	0	0	0	0
CPL	6531	0	10	0	0	0	0	0	0	0	0	0	0
SGT	6541	0	3	0	0	0	0	0	0	0	0	0	0
SSGT	7041	0	2	0	0	0	0	0	0	0	0	0	0
SSGT	8421	0	1	0	0	0	0	0	0	0	0	0	0
SSGT	8521	0	1	0	0	0	0	0	0	0	0	0	0
SGT	8711	0	2	0	0	0	0	0	0	0	0	0	0
OPERATIONAL ACTIVITY - USMC													
WO	0170	7	0	0	0	0	0	0	0	0	0	0	0
CAPT	6002	1	0	0	0	0	0	0	0	0	0	0	0
CAPT	6004	1	0	0	0	0	0	0	0	0	0	0	0
WO	6004	9	0	0	0	0	0	0	0	0	0	0	0
WO	6302	8	0	0	0	0	0	0	0	0	0	0	0
CAPT	6502	1	0	0	0	0	0	0	0	0	0	0	0
WO	6502	9	0	0	0	0	0	0	0	0	0	0	0
LTCOL	7563	9	0	0	0	0	0	0	0	0	0	0	0
MAJ	7563	29	0	0	0	0	0	0	0	0	0	0	0
CAPT	7563	74	0	0	0	0	0	0	0	0	0	0	0
LT	7563	54	0	0	0	0	0	0	0	0	0	0	0
LTCOL	7565	7	0	0	0	0	0	0	0	0	0	0	0
MAJ	7565	63	0	0	0	0	0	0	0	0	0	0	0
CAPT	7565	130	0	0	0	0	0	0	0	0	0	0	0
LT	7565	72	0	0	0	0	0	0	0	0	0	0	0
CPL	0121	0	20	0	0	0	0	0	0	0	0	0	0
LCPL	0121	0	22	0	0	0	0	0	0	0	0	0	0
CPL	0131	0	2	0	0	0	0	0	0	0	0	0	0
LCPL	0131	0	48	0	0	0	0	0	0	0	0	0	0
SGT	0151	0	9	0	0	0	0	0	0	0	0	0	0
CPL	0151	0	11	0	0	0	0	0	0	0	0	0	0

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

DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
LCPL	0151	0	2	0	0	0	0	0	0	0	0	0	0
MSGT	0193	0	6	0	0	0	0	0	0	0	0	0	0
GYSGT	0193	0	2	0	0	0	0	0	0	0	0	0	0
SSGT	0193	0	18	0	0	0	0	0	0	0	0	0	0
SSGT	0231	0	6	0	0	0	0	0	0	0	0	0	0
LCPL	0231	0	18	0	0	0	0	0	0	0	0	0	0
SGT	0431	0	8	0	0	0	0	0	0	0	0	0	0
CPL	0431	0	7	0	0	0	0	0	0	0	0	0	0
LCPL	0431	0	21	0	0	0	0	0	0	0	0	0	0
LCPL	2111	0	9	0	0	0	0	0	0	0	0	0	0
CPL	4066	0	1	0	0	0	0	0	0	0	0	0	0
LCPL	4066	0	1	0	0	0	0	0	0	0	0	0	0
SGT	5711	0	1	0	0	0	0	0	0	0	0	0	0
CPL	6042	0	9	0	0	0	0	0	0	0	0	0	0
LCPL	6042	0	8	0	0	0	0	0	0	0	0	0	0
CPL	6043	0	1	0	0	0	0	0	0	0	0	0	0
LCPL	6043	0	39	0	0	0	0	0	0	0	0	0	0
SGT	6044	0	22	0	0	0	0	0	0	0	0	0	0
CPL	6045	0	2	0	0	0	0	0	0	0	0	0	0
SGT	6046	0	1	0	0	0	0	0	0	0	0	0	0
CPL	6046	0	42	0	0	0	0	0	0	0	0	0	0
LCPL	6046	0	21	0	0	0	0	0	0	0	0	0	0
SSGT	6047	0	29	0	0	0	0	0	0	0	0	0	0
SGT	6047	0	1	0	0	0	0	0	0	0	0	0	0
SSGT	6060	0	24	0	0	0	0	0	0	0	0	0	0
SGT	6060	0	2	0	0	0	0	0	0	0	0	0	0
CPL	6060	0	42	0	0	0	0	0	0	0	0	0	0
LCPL	6060	0	6	0	0	0	0	0	0	0	0	0	0
SGT	6072	0	22	0	0	0	0	0	0	0	0	0	0
LCPL	6072	0	24	0	0	0	0	0	0	0	0	0	0
CPL	6073	0	18	0	0	0	0	0	0	0	0	0	0
LCPL	6073	0	2	0	0	0	0	0	0	0	0	0	0
LCPL	6092	0	2	0	0	0	0	0	0	0	0	0	0
SSGT	6094	0	21	0	0	0	0	0	0	0	0	0	0
SGT	6094	0	1	0	0	0	0	0	0	0	0	0	0
CPL	6094	0	1	0	0	0	0	0	0	0	0	0	0
LCPL	6094	0	21	0	0	0	0	0	0	0	0	0	0
GYSGT	6114	0	41	0	0	0	0	0	0	0	0	0	0
SSGT	6114	0	82	0	0	0	0	0	0	0	0	0	0
SGT	6114	0	126	0	0	0	0	0	0	0	0	0	0
CPL	6114	0	131	0	0	0	0	0	0	0	0	0	0
LCPL	6114	0	182	0	0	0	0	0	0	0	0	0	0
MGYSGT	6119	0	9	0	0	0	0	0	0	0	0	0	0
MSGT	6119	0	2	0	0	0	0	0	0	0	0	0	0
GYSGT	6124	0	21	0	0	0	0	0	0	0	0	0	0
SSGT	6124	0	3	0	0	0	0	0	0	0	0	0	0
SGT	6124	0	25	0	0	0	0	0	0	0	0	0	0
CPL	6124	0	3	0	0	0	0	0	0	0	0	0	0
LCPL	6124	0	21	0	0	0	0	0	0	0	0	0	0

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

DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
CPL	6132	0	1	0	0	0	0	0	0	0	0	0	0
LCPL	6132	0	22	0	0	0	0	0	0	0	0	0	0
GYSGT	6154	0	41	0	0	0	0	0	0	0	0	0	0
SSGT	6154	0	28	0	0	0	0	0	0	0	0	0	0
SGT	6154	0	89	0	0	0	0	0	0	0	0	0	0
CPL	6154	0	105	0	0	0	0	0	0	0	0	0	0
LCPL	6154	0	153	0	0	0	0	0	0	0	0	0	0
GYSGT	6174	0	3	0	0	0	0	0	0	0	0	0	0
SSGT	6174	0	25	0	0	0	0	0	0	0	0	0	0
SGT	6174	0	30	0	0	0	0	0	0	0	0	0	0
CPL	6174	0	31	0	0	0	0	0	0	0	0	0	0
LCPL	6174	0	48	0	0	0	0	0	0	0	0	0	0
GYSGT	6177	0	8	0	0	0	0	0	0	0	0	0	0
GYSGT	6324	0	23	0	0	0	0	0	0	0	0	0	0
SSGT	6324	0	26	0	0	0	0	0	0	0	0	0	0
SGT	6324	0	82	0	0	0	0	0	0	0	0	0	0
CPL	6324	0	131	0	0	0	0	0	0	0	0	0	0
LCPL	6324	0	157	0	0	0	0	0	0	0	0	0	0
MSGT	6391	0	11	0	0	0	0	0	0	0	0	0	0
CPL	6412	0	1	0	0	0	0	0	0	0	0	0	0
LCPL	6412	0	3	0	0	0	0	0	0	0	0	0	0
SGT	6413	0	23	0	0	0	0	0	0	0	0	0	0
CPL	6413	0	21	0	0	0	0	0	0	0	0	0	0
LCPL	6413	0	2	0	0	0	0	0	0	0	0	0	0
SSGT	6414	0	2	0	0	0	0	0	0	0	0	0	0
LCPL	6422	0	21	0	0	0	0	0	0	0	0	0	0
CPL	6423	0	3	0	0	0	0	0	0	0	0	0	0
SGT	6433	0	1	0	0	0	0	0	0	0	0	0	0
CPL	6433	0	23	0	0	0	0	0	0	0	0	0	0
LCPL	6433	0	18	0	0	0	0	0	0	0	0	0	0
SSGT	6434	0	3	0	0	0	0	0	0	0	0	0	0
SGT	6483	0	1	0	0	0	0	0	0	0	0	0	0
CPL	6483	0	22	0	0	0	0	0	0	0	0	0	0
LCPL	6483	0	3	0	0	0	0	0	0	0	0	0	0
SGT	6492	0	1	0	0	0	0	0	0	0	0	0	0
CPL	6492	0	2	0	0	0	0	0	0	0	0	0	0
LCPL	6492	0	42	0	0	0	0	0	0	0	0	0	0
GYSGT	6531	0	30	0	0	0	0	0	0	0	0	0	0
SSGT	6531	0	23	0	0	0	0	0	0	0	0	0	0
SGT	6531	0	49	0	0	0	0	0	0	0	0	0	0
CPL	6531	0	63	0	0	0	0	0	0	0	0	0	0
LCPL	6531	0	92	0	0	0	0	0	0	0	0	0	0
SSGT	6541	0	1	0	0	0	0	0	0	0	0	0	0
SGT	6541	0	43	0	0	0	0	0	0	0	0	0	0
CPL	6541	0	42	0	0	0	0	0	0	0	0	0	0
LCPL	6541	0	42	0	0	0	0	0	0	0	0	0	0
MSGT	6591	0	1	0	0	0	0	0	0	0	0	0	0
SGT	6672	0	23	0	0	0	0	0	0	0	0	0	0
CPL	6672	0	25	0	0	0	0	0	0	0	0	0	0

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

DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
LCPL	6672	0	4	0	0	0	0	0	0	0	0	0	0
SSGT	7041	0	7	0	0	0	0	0	0	0	0	0	0
SGT	7041	0	1	0	0	0	0	0	0	0	0	0	0
LCPL	7041	0	26	0	0	0	0	0	0	0	0	0	0
SSGT	8421	0	7	0	0	0	0	0	0	0	0	0	0
SGT	8711	0	7	0	0	0	0	0	0	0	0	0	0
SGTMAJ	9999	0	9	0	0	0	0	0	0	0	0	0	0
OPERATIONAL ACTIVITY - SMCR													
WO	6302	2	0	0	0	0	0	0	0	0	0	0	0
MAJ	7563	2	0	0	0	0	0	0	0	0	0	0	0
CAPT	7563	6	0	0	0	0	0	0	0	0	0	0	0
LT	7563	10	0	0	0	0	0	0	0	0	0	0	0
LTCOL	7565	2	0	0	0	0	0	0	0	0	0	0	0
MAJ	7565	14	0	0	0	0	0	0	0	0	0	0	0
CAPT	7565	24	0	0	0	0	0	0	0	0	0	0	0
LT	7565	25	0	0	0	0	0	0	0	0	0	0	0
LCPL	0121	0	5	0	0	0	0	0	0	0	0	0	0
LCPL	0131	0	2	0	0	0	0	0	0	0	0	0	0
SSGT	0193	0	5	0	0	0	0	0	0	0	0	0	0
LCPL	0231	0	5	0	0	0	0	0	0	0	0	0	0
CPL	0431	0	2	0	0	0	0	0	0	0	0	0	0
LCPL	0431	0	2	0	0	0	0	0	0	0	0	0	0
LCPL	6042	0	2	0	0	0	0	0	0	0	0	0	0
CPL	6046	0	3	0	0	0	0	0	0	0	0	0	0
LCPL	6046	0	5	0	0	0	0	0	0	0	0	0	0
SSGT	6047	0	2	0	0	0	0	0	0	0	0	0	0
CPL	6060	0	2	0	0	0	0	0	0	0	0	0	0
SGT	6072	0	2	0	0	0	0	0	0	0	0	0	0
LCPL	6072	0	2	0	0	0	0	0	0	0	0	0	0
CPL	6073	0	2	0	0	0	0	0	0	0	0	0	0
SSGT	6092	0	2	0	0	0	0	0	0	0	0	0	0
CPL	6092	0	7	0	0	0	0	0	0	0	0	0	0
SSGT	6094	0	2	0	0	0	0	0	0	0	0	0	0
LCPL	6094	0	3	0	0	0	0	0	0	0	0	0	0
GYSGT	6114	0	4	0	0	0	0	0	0	0	0	0	0
SSGT	6114	0	6	0	0	0	0	0	0	0	0	0	0
SGT	6114	0	10	0	0	0	0	0	0	0	0	0	0
CPL	6114	0	15	0	0	0	0	0	0	0	0	0	0
LCPL	6114	0	28	0	0	0	0	0	0	0	0	0	0
GYSGT	6124	0	2	0	0	0	0	0	0	0	0	0	0
CPL	6124	0	4	0	0	0	0	0	0	0	0	0	0
LCPL	6132	0	2	0	0	0	0	0	0	0	0	0	0
GYSGT	6154	0	4	0	0	0	0	0	0	0	0	0	0
SSGT	6154	0	3	0	0	0	0	0	0	0	0	0	0
SGT	6154	0	6	0	0	0	0	0	0	0	0	0	0
CPL	6154	0	19	0	0	0	0	0	0	0	0	0	0
LCPL	6154	0	24	0	0	0	0	0	0	0	0	0	0
SSGT	6174	0	2	0	0	0	0	0	0	0	0	0	0

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

DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
CPL	6174	0	2	0	0	0	0	0	0	0	0	0	0
LCPL	6174	0	7	0	0	0	0	0	0	0	0	0	0
GYSGT	6324	0	2	0	0	0	0	0	0	0	0	0	0
SSGT	6324	0	5	0	0	0	0	0	0	0	0	0	0
SGT	6324	0	5	0	0	0	0	0	0	0	0	0	0
CPL	6324	0	19	0	0	0	0	0	0	0	0	0	0
LCPL	6324	0	21	0	0	0	0	0	0	0	0	0	0
LCPL	6412	0	2	0	0	0	0	0	0	0	0	0	0
SGT	6413	0	2	0	0	0	0	0	0	0	0	0	0
CPL	6413	0	3	0	0	0	0	0	0	0	0	0	0
CPL	6433	0	2	0	0	0	0	0	0	0	0	0	0
LCPL	6433	0	5	0	0	0	0	0	0	0	0	0	0
CPL	6483	0	2	0	0	0	0	0	0	0	0	0	0
LCPL	6492	0	4	0	0	0	0	0	0	0	0	0	0
GYSGT	6531	0	2	0	0	0	0	0	0	0	0	0	0
SSGT	6531	0	4	0	0	0	0	0	0	0	0	0	0
SGT	6531	0	3	0	0	0	0	0	0	0	0	0	0
CPL	6531	0	5	0	0	0	0	0	0	0	0	0	0
LCPL	6531	0	12	0	0	0	0	0	0	0	0	0	0
SGT	6541	0	4	0	0	0	0	0	0	0	0	0	0
CPL	6541	0	4	0	0	0	0	0	0	0	0	0	0
LCPL	6541	0	7	0	0	0	0	0	0	0	0	0	0
SGT	6672	0	2	0	0	0	0	0	0	0	0	0	0
CPL	6672	0	2	0	0	0	0	0	0	0	0	0	0

SUMMARY TOTAL

OPERATIONAL ACTIVITY	- ACDU	16	87	0	0	0	0	0	0	0	0	0	0
OPERATIONAL ACTIVITY	- AR	17	84	0	0	0	0	0	0	0	0	0	0
OPERATIONAL ACTIVITY	- USMC	474	2920	0	0	0	0	0	0	0	0	0	0
OPERATIONAL ACTIVITY	- SMCR	85	310	0	0	0	0	0	0	0	0	0	0

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

DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL

GRAND TOTAL

- ACDU													
	17	86	0	0	0	0	0	0	0	0	0	0	0
- AR													
	17	84	0	0	0	0	0	0	0	0	0	0	0
- USMC													
	474	2920	0	0	0	0	0	0	0	0	0	0	0
- SMCR													
	85	310	0	0	0	0	0	0	0	0	0	0	0

II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1068, NAMTGD Jacksonville 66051	USMC	0	2.1	0	1.7	0	1.7	0	2.1	0	1.7	0	1.7
MTU 1067, NAMTGD North Island 66065	USMC	0	3.4	0	3.4	0	3.6	0	3.4	0	3.4	0	3.6
MTU 1038, NAMTGD Lemoore 66060	NAVY	0	0.0	0	0.1	0	0.0	0	0.0	0	0.1	0	0.0
	USMC	0	0.1	0	0.1	0	0.1	0	0.1	0	0.1	0	0.1
MTU 1039, NAMTGD Cecil Field 66050	USMC	0	0.1	0	0.1	0	0.1	0	0.1	0	0.1	0	0.1
MTU 1007, NAMTGD Oceana 66045	USMC	0	0.6	0	0.6	0	0.6	0	0.6	0	0.6	0	0.6
HMT-303 FREST, MCAS Camp Pendleton 66063	NAVY	0	1.9	0	1.9	0	1.9	0	1.9	0	1.9	0	1.9
	USMC	3.7	105.2	3.7	105.2	3.7	105.2	3.7	105.2	3.7	105.2	3.7	105.2
HMT-302 FREST, MCAS New River 66062	USMC	0	0.6	0	0.6	0	0.6	0	0.6	0	0.6	0	0.6
VMAT-203 FREST, MCAS Cherry Point 66047	USMC	0	9.2	0	9.2	0	9.2	0	9.2	0	9.2	0	9.2
FTC, San Diego 30808	USMC	0	0.1	0	0.1	0	0.1	0	0.1	0	0.1	0	0.1
NTTU, Keesler AFB 32861	USMC	0	2.4	0	2.4	0	2.4	0	2.4	0	2.4	0	2.4
MTU 1008, NAMTGD Miramar 66064	NAVY	0	0.1	0	0.0	0	0.0	0	0.1	0	0.0	0	0.0
	USMC	0	1.1	0	1.1	0	1.1	0	1.1	0	1.1	0	1.1
SUMMARY TOTAL													
	NAVY	0	2.0	0	2.0	0	1.9	0	1.9	0	2.0	0	1.9
	USMC	3.7	124.7	3.7	124.7	3.7	124.7	3.7	124.7	3.7	124.7	3.7	124.7
GRAND TOTAL													
		3.7	126.7	3.7	126.7	3.7	126.6	3.7	126.6	3.7	126.7	3.7	126.6

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESG		BILLET	CFY98		FY99		FY00		FY01		FY02	
RTNG	PNEC/SNEC	BASE	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM

a. OFFICER - USN

Operational Billets ACDU and TAR

LCDR	1310	1	0	1	0	1	0	1	0	1	0	1
LT	1310	6	0	6	0	6	0	6	0	6	0	6
LT	2102	9	0	9	0	9	0	9	0	9	0	9

TOTAL USN OFFICER BILLETS

Operational		16	0	16	0	16	0	16	0	16	0	16
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b. ENLISTED - USN

Operational Billets ACDU and TAR

ADCS	0000	1	0	1	0	1	0	1	0	1	0	1
AD1	6417	1	0	1	0	1	0	1	0	1	0	1
AD1	8380	2	0	2	0	2	0	2	0	2	0	2
AD2	6417	1	0	1	0	1	0	1	0	1	0	1
AD2	8380	2	0	2	0	2	0	2	0	2	0	2
AD2	8380 9502	2	0	2	0	2	0	2	0	2	0	2
AD3	8380	3	0	3	0	3	0	3	0	3	0	3
ADAN	8380	3	0	3	0	3	0	3	0	3	0	3
AE1	8380	2	0	2	0	2	0	2	0	2	0	2
AE2	8215 9502	1	0	1	0	1	0	1	0	1	0	1
AE2	8380	2	0	2	0	2	0	2	0	2	0	2
AE3	8380	2	0	2	0	2	0	2	0	2	0	2
AEAN	8380	2	0	2	0	2	0	2	0	2	0	2
AK2	0000	1	0	1	0	1	0	1	0	1	0	1
AMH2	8380	1	0	1	0	1	0	1	0	1	0	1
AMH3	7212	1	0	1	0	1	0	1	0	1	0	1
AMH3	8380	3	0	3	0	3	0	3	0	3	0	3
AMSC	0000	1	0	1	0	1	0	1	0	1	0	1
AMS1	8215 9502	1	0	1	0	1	0	1	0	1	0	1
AMS1	8380	2	0	2	0	2	0	2	0	2	0	2
AMS2	7232	1	0	1	0	1	0	1	0	1	0	1
AMS2	8215 9502	2	0	2	0	2	0	2	0	2	0	2
AMS2	8380	1	0	1	0	1	0	1	0	1	0	1
AMS3	8380	1	0	1	0	1	0	1	0	1	0	1
AMSAN	8380	2	0	2	0	2	0	2	0	2	0	2
AT1	8380	2	0	2	0	2	0	2	0	2	0	2
AT2	8380	2	0	2	0	2	0	2	0	2	0	2
AT3	8380	2	0	2	0	2	0	2	0	2	0	2
ATAN	8380	2	0	2	0	2	0	2	0	2	0	2
AZ2	0000	1	0	1	0	1	0	1	0	1	0	1
HM1	8406	9	0	9	0	9	0	9	0	9	0	9
HM2	8406	23	0	23	0	23	0	23	0	23	0	23
HM3	8406	1	0	1	0	1	0	1	0	1	0	1
PN2	0000	1	0	1	0	1	0	1	0	1	0	1
PR3	0000	1	0	1	0	1	0	1	0	1	0	1
PRAN	0000	1	0	1	0	1	0	1	0	1	0	1
YN1	0000	1	0	1	0	1	0	1	0	1	0	1

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESG RTNG	PNEC/SNEC	BILLET BASE	CFY98		FY99		FY00		FY01		FY02	
			+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
Chargeable Student Billets ACDU and TAR												
		2	0	2	0	2	0	2	0	2	0	2
TOTAL USN ENLISTED BILLETS												
Operational		86	0	86	0	86	0	86	0	86	0	86
Student		2	0	2	0	2	0	2	0	2	0	2
c. OFFICER - USMC												
Operational Billets USMC and AR												
WO	0170	9	0	9	0	9	0	9	0	9	0	9
CAPT	6002	1	0	1	0	1	0	1	0	1	0	1
CAPT	6004	1	0	1	0	1	0	1	0	1	0	1
WO	6004	9	0	9	0	9	0	9	0	9	0	9
WO	6302	8	0	8	0	8	0	8	0	8	0	8
CAPT	6502	1	0	1	0	1	0	1	0	1	0	1
WO	6502	9	0	9	0	9	0	9	0	9	0	9
LTCOL	7563	9	0	9	0	9	0	9	0	9	0	9
MAJ	7563	32	0	32	0	32	0	32	0	32	0	32
CAPT	7563	80	0	80	0	80	0	80	0	80	0	80
LT	7563	54	0	54	0	54	0	54	0	54	0	54
LTCOL	7565	7	0	7	0	7	0	7	0	7	0	7
MAJ	7565	66	0	66	0	66	0	66	0	66	0	66
CAPT	7565	133	0	133	0	133	0	133	0	133	0	133
LT	7565	72	0	72	0	72	0	72	0	72	0	72
Chargeable Student Billets USMC and AR												
		4	0	4	0	4	0	4	0	4	0	4
TOTAL USMC OFFICER BILLETS												
Operational		491	0	491	0	491	0	491	0	491	0	491
Student		4	0	4	0	4	0	4	0	4	0	4
SMCR		79	0	79	0	79	0	79	0	79	0	79
d. ENLISTED - USMC												
Operational Billets USMC and AR												
CPL	0121	25	0	25	0	25	0	25	0	25	0	25
LCPL	0121	22	0	22	0	22	0	22	0	22	0	22
CPL	0131	2	0	2	0	2	0	2	0	2	0	2
LCPL	0131	48	0	48	0	48	0	48	0	48	0	48
SGT	0151	9	0	9	0	9	0	9	0	9	0	9
CPL	0151	11	0	11	0	11	0	11	0	11	0	11
LCPL	0151	2	0	2	0	2	0	2	0	2	0	2
MSGT	0193	8	0	8	0	8	0	8	0	8	0	8
GYSGT	0193	2	0	2	0	2	0	2	0	2	0	2

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESG RTNG	PNEC/SNEC	BILLET BASE	CFY98		FY99		FY00		FY01		FY02	
			+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
SSGT	0193	18	0	18	0	18	0	18	0	18	0	18
SSGT	0231	8	0	8	0	8	0	8	0	8	0	8
LCPL	0231	18	0	18	0	18	0	18	0	18	0	18
SGT	0431	8	0	8	0	8	0	8	0	8	0	8
CPL	0431	7	0	7	0	7	0	7	0	7	0	7
LCPL	0431	21	0	21	0	21	0	21	0	21	0	21
LCPL	2111	9	0	9	0	9	0	9	0	9	0	9
CPL	4066	1	0	1	0	1	0	1	0	1	0	1
LCPL	4066	1	0	1	0	1	0	1	0	1	0	1
SGT	5711	1	0	1	0	1	0	1	0	1	0	1
CPL	6042	9	0	9	0	9	0	9	0	9	0	9
LCPL	6042	8	0	8	0	8	0	8	0	8	0	8
CPL	6043	1	0	1	0	1	0	1	0	1	0	1
LCPL	6043	39	0	39	0	39	0	39	0	39	0	39
SGT	6044	22	0	22	0	22	0	22	0	22	0	22
CPL	6045	2	0	2	0	2	0	2	0	2	0	2
SGT	6046	2	0	2	0	2	0	2	0	2	0	2
CPL	6046	44	0	44	0	44	0	44	0	44	0	44
LCPL	6046	21	0	21	0	21	0	21	0	21	0	21
SSGT	6047	31	0	31	0	31	0	31	0	31	0	31
SGT	6047	1	0	1	0	1	0	1	0	1	0	1
SSGT	6060	24	0	24	0	24	0	24	0	24	0	24
SGT	6060	2	0	2	0	2	0	2	0	2	0	2
CPL	6060	45	0	45	0	45	0	45	0	45	0	45
LCPL	6060	6	0	6	0	6	0	6	0	6	0	6
SGT	6072	23	0	23	0	23	0	23	0	23	0	23
LCPL	6072	24	0	24	0	24	0	24	0	24	0	24
CPL	6073	21	0	21	0	21	0	21	0	21	0	21
LCPL	6073	2	0	2	0	2	0	2	0	2	0	2
LCPL	6092	2	0	2	0	2	0	2	0	2	0	2
SSGT	6094	21	0	21	0	21	0	21	0	21	0	21
SGT	6094	1	0	1	0	1	0	1	0	1	0	1
CPL	6094	1	0	1	0	1	0	1	0	1	0	1
LCPL	6094	21	0	21	0	21	0	21	0	21	0	21
GYSGT	6114	45	0	45	0	45	0	45	0	45	0	45
SSGT	6114	84	0	84	0	84	0	84	0	84	0	84
SGT	6114	136	0	136	0	136	0	136	0	136	0	136
CPL	6114	140	0	140	0	140	0	140	0	140	0	140
LCPL	6114	185	0	185	0	185	0	185	0	185	0	185
MGYSGT	6119	9	0	9	0	9	0	9	0	9	0	9
MSGT	6119	2	0	2	0	2	0	2	0	2	0	2
GYSGT	6124	21	0	21	0	21	0	21	0	21	0	21
SSGT	6124	3	0	3	0	3	0	3	0	3	0	3
SGT	6124	25	0	25	0	25	0	25	0	25	0	25
CPL	6124	3	0	3	0	3	0	3	0	3	0	3
LCPL	6124	21	0	21	0	21	0	21	0	21	0	21
CPL	6132	1	0	1	0	1	0	1	0	1	0	1
LCPL	6132	22	0	22	0	22	0	22	0	22	0	22
GYSGT	6154	43	0	43	0	43	0	43	0	43	0	43
SSGT	6154	28	0	28	0	28	0	28	0	28	0	28

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESG RTNG	PNEC/SNEC	BILLET BASE	CFY98		FY99		FY00		FY01		FY02	
			+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
SGT	6154	91	0	91	0	91	0	91	0	91	0	91
CPL	6154	108	0	108	0	108	0	108	0	108	0	108
LCPL	6154	153	0	153	0	153	0	153	0	153	0	153
GYSGT	6174	3	0	3	0	3	0	3	0	3	0	3
SSGT	6174	25	0	25	0	25	0	25	0	25	0	25
SGT	6174	30	0	30	0	30	0	30	0	30	0	30
CPL	6174	31	0	31	0	31	0	31	0	31	0	31
LCPL	6174	48	0	48	0	48	0	48	0	48	0	48
GYSGT	6177	8	0	8	0	8	0	8	0	8	0	8
GYSGT	6324	23	0	23	0	23	0	23	0	23	0	23
SSGT	6324	26	0	26	0	26	0	26	0	26	0	26
SGT	6324	82	0	82	0	82	0	82	0	82	0	82
CPL	6324	135	0	135	0	135	0	135	0	135	0	135
LCPL	6324	157	0	157	0	157	0	157	0	157	0	157
MSGT	6391	11	0	11	0	11	0	11	0	11	0	11
CPL	6412	1	0	1	0	1	0	1	0	1	0	1
LCPL	6412	3	0	3	0	3	0	3	0	3	0	3
SGT	6413	23	0	23	0	23	0	23	0	23	0	23
CPL	6413	21	0	21	0	21	0	21	0	21	0	21
LCPL	6413	2	0	2	0	2	0	2	0	2	0	2
SSGT	6414	2	0	2	0	2	0	2	0	2	0	2
LCPL	6422	21	0	21	0	21	0	21	0	21	0	21
CPL	6423	3	0	3	0	3	0	3	0	3	0	3
SGT	6433	1	0	1	0	1	0	1	0	1	0	1
CPL	6433	23	0	23	0	23	0	23	0	23	0	23
LCPL	6433	18	0	18	0	18	0	18	0	18	0	18
SSGT	6434	3	0	3	0	3	0	3	0	3	0	3
SGT	6483	1	0	1	0	1	0	1	0	1	0	1
CPL	6483	22	0	22	0	22	0	22	0	22	0	22
LCPL	6483	3	0	3	0	3	0	3	0	3	0	3
SGT	6492	1	0	1	0	1	0	1	0	1	0	1
CPL	6492	2	0	2	0	2	0	2	0	2	0	2
LCPL	6492	42	0	42	0	42	0	42	0	42	0	42
GYSGT	6531	32	0	32	0	32	0	32	0	32	0	32
SSGT	6531	24	0	24	0	24	0	24	0	24	0	24
SGT	6531	51	0	51	0	51	0	51	0	51	0	51
CPL	6531	73	0	73	0	73	0	73	0	73	0	73
LCPL	6531	92	0	92	0	92	0	92	0	92	0	92
SSGT	6541	1	0	1	0	1	0	1	0	1	0	1
SGT	6541	46	0	46	0	46	0	46	0	46	0	46
CPL	6541	42	0	42	0	42	0	42	0	42	0	42
LCPL	6541	42	0	42	0	42	0	42	0	42	0	42
MSGT	6591	1	0	1	0	1	0	1	0	1	0	1
SGT	6672	23	0	23	0	23	0	23	0	23	0	23
CPL	6672	25	0	25	0	25	0	25	0	25	0	25
LCPL	6672	4	0	4	0	4	0	4	0	4	0	4
SSGT	7041	9	0	9	0	9	0	9	0	9	0	9
SGT	7041	1	0	1	0	1	0	1	0	1	0	1
LCPL	7041	26	0	26	0	26	0	26	0	26	0	26
SSGT	8421	8	0	8	0	8	0	8	0	8	0	8

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESG RTNG	PNEC/SNEC	BILLET BASE	CFY98		FY99		FY00		FY01		FY02	
			+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
SSGT	8521	1	0	1	0	1	0	1	0	1	0	1
SGT	8711	9	0	9	0	9	0	9	0	9	0	9
SGTMAJ	9999	9	0	9	0	9	0	9	0	9	0	9
Chargeable Student Billets USMC and AR												
		127	0	127	0	127	0	127	0	127	0	127
TOTAL USMC ENLISTED BILLETS												
	Operational	3004	0	3004	0	3004	0	3004	0	3004	0	3004
	Student	148	1	149	-5	144	2	146	2	148	0	148
	SMCR	316	0	316	0	316	0	316	0	316	0	316

PART II.B. PERSONNEL REQUIREMENTS

Note: The authors recognize that the standard tour length for Aviation Marine Corps personnel is 36 months. However, to calculate Annual Training Input Requirements using a planned turnover rate of 25% per year, a 48 month tour length is used in the calculations (as detailed in Appendix C of the Navy Training Requirements Documentation Manual).

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: C-2C-3356 AH-1W Pilot Familiarization

COURSE LENGTH: 1.8 WEEKS

ATTRITION FACTOR: Marine 0% **BACKOUT FACTOR:** 0.00

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
HMT-303 FREST												
	USMC	AR	2	0	2	0	2	0	2	0	2	0
	USMC	USMC	68	0	68	0	68	0	68	0	68	0
	USMC	SMCR	16	0	16	0	16	0	16	0	16	0
	TOTAL:		86	0	86	0	86	0	86	0	86	0

CIN, COURSE TITLE: C-2C-3352 UH-1N Pilot Familiarization

COURSE LENGTH: 0.8 WEEKS

ATTRITION FACTOR: Marine 0% **BACKOUT FACTOR:** 0.00

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
HMT-303 FREST												
	USMC	AR	2	0	2	0	2	0	2	0	2	0
	USMC	USMC	42	0	42	0	42	0	42	0	42	0
	USMC	SMCR	15	0	15	0	15	0	15	0	15	0
	TOTAL:		59	0	59	0	59	0	59	0	59	0

CIN, COURSE TITLE: M-601-2015 UH-1N Crew Chief Training Syllabus

COURSE LENGTH: 20 WEEKS

ATTRITION FACTOR: Marine 0% **BACKOUT FACTOR:** 0.40

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
HMT-303 FREST												
	USMC	USMC	0	34	0	34	0	34	0	34	0	34
	USMC	SMCR	0	3	0	3	0	3	0	3	0	3
	TOTAL:		0	37	0	37	0	37	0	37	0	37

CIN, COURSE TITLE: M-102-2024 H-1 Communication Navigation Identification System Maintenance

COURSE LENGTH: 15 WEEKS

ATTRITION FACTOR: Marine 0% **BACKOUT FACTOR:** 0.30

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
HMT-303 FREST												
	USMC	AR	0	1	0	1	0	1	0	1	0	1
	USMC	USMC	0	105	0	105	0	105	0	105	0	105
	USMC	SMCR	0	13	0	13	0	13	0	13	0	13
	TOTAL:		0	119	0	119	0	119	0	119	0	119

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: M-601-2014 AH-1T/J and UH-1N Power Plants Power Trains and Rotors Maintenance
COURSE LENGTH: 13.0 WEEKS **TOUR LENGTH:** Navy: 36
ATTRITION FACTOR: Navy 10 % Marine 0 % **BACKOUT FACTOR:** 0.26

TRAINING		ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
ACTIVITY	SOURCE		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
HMT-303 FREST												
	NAVY	ACDU	0	3	0	3	0	3	0	3	0	3
	USMC	AR	0	7	0	7	0	7	0	7	0	7
	USMC	USMC	0	141	0	141	0	141	0	141	0	141
	USMC	SMCR	0	16	0	16	0	16	0	16	0	16
		TOTAL:	0	167	0	167	0	167	0	167	0	167

CIN, COURSE TITLE: M-602-2081 Helicopter Airframe Mechanic A/UH-1
COURSE LENGTH: 4.4 WEEKS **TOUR LENGTH:** Navy: 36
ATTRITION FACTOR: Navy 10 % Marine 0 % **BACKOUT FACTOR:** 0.09

TRAINING		ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
ACTIVITY	SOURCE		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
HMT-303 FREST												
	NAVY	ACDU	0	4	0	4	0	4	0	4	0	4
	USMC	AR	0	2	0	2	0	2	0	2	0	2
	USMC	USMC	0	104	0	104	0	104	0	104	0	104
	USMC	SMCR	0	14	0	14	0	14	0	14	0	14
		TOTAL:	0	124	0	124	0	124	0	124	0	124

CIN, COURSE TITLE: M-602-2051 UH-1N Electrical Instrument Systems Organizational Maintenance
COURSE LENGTH: 8.6 WEEKS **TOUR LENGTH:** Navy: 36
ATTRITION FACTOR: Navy 10 % **BACKOUT FACTOR:** 0.17

TRAINING		ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
ACTIVITY	SOURCE		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
HMT-303 FREST												
	NAVY	ACDU	0	3	0	3	0	3	0	3	0	3
		TOTAL:	0	3	0	3	0	3	0	3	0	3

CIN, COURSE TITLE: M-102-2021 UH-1N Communication Navigation Identification Systems Organizational Maintenance
COURSE LENGTH: 5.6 WEEKS **TOUR LENGTH:** Navy: 36
ATTRITION FACTOR: Navy 10 % **BACKOUT FACTOR:** 0.11

TRAINING		ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
ACTIVITY	SOURCE		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
HMT-303 FREST												
	NAVY	ACDU	0	3	0	3	0	3	0	3	0	3
		TOTAL:	0	3	0	3	0	3	0	3	0	3

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: M-646-2044 H-1 Armament Systems Maintenance
COURSE LENGTH: 9.4 WEEKS **TOUR LENGTH:** Navy: NA
ATTRITION FACTOR: Marine 0% **BACKOUT FACTOR:** 0.19

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
HMT-303 FREST												
	USMC	AR	0	4	0	4	0	4	0	4	0	4
	USMC	USMC	0	64	0	64	0	64	0	64	0	64
	USMC	SMCR	0	7	0	7	0	7	0	7	0	7
		TOTAL:	0	75	0	75	0	75	0	75	0	75

CIN, COURSE TITLE: D-602-7040 Support Equipment/Gas Turbine and Related Systems Intermediate Maintenance
COURSE LENGTH: 16.6 WEEKS **TOUR LENGTH:** Navy: NA
ATTRITION FACTOR: Marine 0% **BACKOUT FACTOR:** 0.30

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1068												
	USMC	AR	0	1	0	0	0	0	0	1	0	0
	USMC	USMC	0	3	0	3	0	3	0	3	0	3
	USMC	SMCR	0	1	0	1	0	1	0	1	0	1
		TOTAL:	0	5	0	4	0	4	0	5	0	4

CIN, COURSE TITLE: E-602-7040 Support Equipment/Gas Turbine and Related Systems Intermediate Maintenance
COURSE LENGTH: 16.6 WEEKS **TOUR LENGTH:** Navy: NA
ATTRITION FACTOR: Marine 0% **BACKOUT FACTOR:** 0.30

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1067												
	USMC	USMC	0	7	0	7	0	7	0	7	0	7
	USMC	SMCR	0	1	0	1	0	1	0	1	0	1
		TOTAL:	0	8	0	8	0	8	0	8	0	8

CIN, COURSE TITLE: D-602-7032 Support Equipment Electrical/Refrigeration Intermediate Maintenance
COURSE LENGTH: 15.4 WEEKS **TOUR LENGTH:** Navy: NA
ATTRITION FACTOR: Marine 0% **BACKOUT FACTOR:** 0.29

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1068												
	USMC	AR	0	1	0	1	0	1	0	1	0	1
	USMC	USMC	0	2	0	2	0	2	0	2	0	2
	USMC	SMCR	0	1	0	0	0	0	0	0	0	0
		TOTAL:	0	4	0	3	0	3	0	3	0	3

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: E-602-7032 Support Equipment Electrical/Refrigeration Intermediate Maintenance

COURSE LENGTH: 14.6 WEEKS

ATTRITION FACTOR: Marine 0% **BACKOUT FACTOR:** 0.29

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1067												
	USMC	AR	0	0	0	0	0	1	0	0	0	0
	USMC	USMC	0	4	0	4	0	4	0	4	0	4
	USMC	SMCR	0	0	0	1	0	0	0	0	0	1
		TOTAL:	0	4	0	5	0	5	0	4	0	5

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

COURSE LENGTH: 4.4 WEEKS

ATTRITION FACTOR: Marine 0% **BACKOUT FACTOR:** 0.09

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1039												
	USMC	SMCR	0	1	0	1	0	1	0	1	0	1
		TOTAL:	0	1	0	1	0	1	0	1	0	1

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

COURSE LENGTH: 4.4 WEEKS

TOUR LENGTH: Navy: 36

ATTRITION FACTOR: Navy 10% Marine 0% **BACKOUT FACTOR:** 0.09

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1038												
	NAVY	ACDU	0	1	0	0	0	0	0	1	0	0
	USMC	USMC	0	1	0	1	0	1	0	1	0	1
	USMC	SMCR	0	1	0	1	0	1	0	1	0	1
		TOTAL:	0	3	0	2	0	2	0	3	0	2

CIN, COURSE TITLE: D-602-4007 F-18 Hydraulic Components Intermediate Maintenance

COURSE LENGTH: 7.8 WEEKS

ATTRITION FACTOR: Marine 0% **BACKOUT FACTOR:** 0.16

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1007												
	USMC	USMC	0	4	0	4	0	4	0	4	0	4
	USMC	SMCR	0	1	0	1	0	1	0	1	0	1
		TOTAL:	0	5	0	5	0	5	0	5	0	5

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: E-602-4007 F-18 Hydraulic Components Intermediate Maintenance

COURSE LENGTH: 7.8 WEEKS

ATTRITION FACTOR: Marine 0% **BACKOUT FACTOR:** 0.16

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1008												
	USMC	USMC	0	7	0	7	0	7	0	7	0	7
	USMC	SMCR	0	1	0	1	0	1	0	1	0	1
		TOTAL:	0	8	0	8	0	8	0	8	0	8

CIN, COURSE TITLE: M-601-3090 Helicopter Dynamic Component Intermediate Maintenance

COURSE LENGTH: 4.2 WEEKS

ATTRITION FACTOR: Marine 0% **BACKOUT FACTOR:** 0.08

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
HMT-302 FREST												
	USMC	USMC	0	6	0	6	0	6	0	6	0	6
	USMC	SMCR	0	1	0	1	0	1	0	1	0	1
		TOTAL:	0	7	0	7	0	7	0	7	0	7

CIN, COURSE TITLE: M-601-3027 T-400/700 Engine First Degree Intermediate Maintenance

COURSE LENGTH: 7.8 WEEKS

ATTRITION FACTOR: Marine 0% **BACKOUT FACTOR:** 0.16

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
HMT-303 FREST												
	USMC	USMC	0	18	0	18	0	18	0	18	0	18
	USMC	SMCR	0	2	0	2	0	2	0	2	0	2
		TOTAL:	0	20	0	20	0	20	0	20	0	20

CIN, COURSE TITLE: M-102-6412 Aircraft Communications Equipment Intermediate Maintenance

COURSE LENGTH: 11.4 WEEKS

ATTRITION FACTOR: Marine 0% **BACKOUT FACTOR:** 0.19

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
VMAT-203 FREST												
	USMC	USMC	0	1	0	1	0	1	0	1	0	1
	USMC	SMCR	0	1	0	1	0	1	0	1	0	1
		TOTAL:	0	2	0	2	0	2	0	2	0	2

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: M-102-6413 Aircraft Navigation System Equipment Intermediate Maintenance

COURSE LENGTH: 9.4 WEEKS

ATTRITION FACTOR: Marine 0% **BACKOUT FACTOR:** 0.23

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
VMAT-203 FREST												
	USMC	USMC	0	12	0	12	0	12	0	12	0	12
	USMC	SMCR	0	1	0	1	0	1	0	1	0	1
	TOTAL:		0	13	0	13	0	13	0	13	0	13

CIN, COURSE TITLE: D-102-6122 Cryptographic Equipment Intermediate Maintenance

COURSE LENGTH: 2.2 WEEKS

ATTRITION FACTOR: Marine 0% **BACKOUT FACTOR:** 0.04

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1039												
	USMC	USMC	0	2	0	2	0	2	0	2	0	2
	TOTAL:		0	2	0	2	0	2	0	2	0	2

CIN, COURSE TITLE: E-102-6122 Cryptographic Equipment Intermediate Maintenance

COURSE LENGTH: 2.2 WEEKS

ATTRITION FACTOR: Marine 0% **BACKOUT FACTOR:** 0.04

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1038												
	USMC	USMC	0	3	0	3	0	3	0	3	0	3
	TOTAL:		0	3	0	3	0	3	0	3	0	3

CIN, COURSE TITLE: M-602-5811 H-1 Aircraft Electrical Instrument/Automatic Flight Control System Equipment Intermediate Maintenance

COURSE LENGTH: 9.6 WEEKS

ATTRITION FACTOR: Marine 0% **BACKOUT FACTOR:** 0.19

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
HMT-303 FREST												
	USMC	USMC	0	7	0	7	0	7	0	7	0	7
	USMC	SMCR	0	2	0	2	0	2	0	2	0	2
	TOTAL:		0	9	0	9	0	9	0	9	0	9

CIN, COURSE TITLE: M-102-6483 Helicopter Deceptive Electronic Countermeasures Intermediate Maintenance

COURSE LENGTH: 10.6 WEEKS

ATTRITION FACTOR: Marine 0% **BACKOUT FACTOR:** 0.21

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
HMT-303 FREST												
	USMC	USMC	0	7	0	7	0	7	0	7	0	7
	USMC	SMCR	0	1	0	1	0	1	0	1	0	1
	TOTAL:		0	8	0	8	0	8	0	8	0	8

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: C-198-2011 Advanced Calibration Technician

COURSE LENGTH: 12 WEEKS

ATTRITION FACTOR: Marine 0% **BACKOUT FACTOR:** 0.24

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NTTU												
	USMC	USMC	0	11	0	11	0	11	0	11	0	11
	USMC	SMCR	0	1	0	1	0	1	0	1	0	1
		TOTAL:	0	12	0	12	0	12	0	12	0	12

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

COURSE LENGTH: 3.4 WEEKS

TOUR LENGTH: Navy: 36

ATTRITION FACTOR: Navy 10% **BACKOUT FACTOR:** 0.07

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1008												
	NAVY	ACDU	0	1	0	0	0	0	0	1	0	0
		TOTAL:	0	1	0	0	0	0	0	1	0	0

CIN, COURSE TITLE: A-100-0073 Micro-miniature Electronics Repair

COURSE LENGTH: 2 WEEKS

ATTRITION FACTOR: Marine 0% **BACKOUT FACTOR:** 0.00

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
FTC												
	USMC	USMC	0	1	0	1	0	1	0	1	0	1
		TOTAL:	0	1	0	1	0	1	0	1	0	1

CIN, COURSE TITLE: M-646-7026 Aviation Ordnance Technician Intermediate Maintenance

COURSE LENGTH: 11.4 WEEKS

ATTRITION FACTOR: Marine 0% **BACKOUT FACTOR:** 0.23

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98		FY99		FY00		FY01		FY02	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
VMAT-203 FREST												
	USMC	AR	0	1	0	1	0	1	0	1	0	1
	USMC	USMC	0	32	0	32	0	32	0	32	0	32
	USMC	SMCR	0	4	0	4	0	4	0	4	0	4
		TOTAL:	0	37	0	37	0	37	0	37	0	37

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

ACTIVITY TOTAL:	CFY98		FY99		FY00		FY01		FY02	
	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1068	0	7	0	7	0	8	0	8	0	7
MTU 1067	0	12	0	13	0	13	0	12	0	12
MTU 1038	0	2	0	1	0	1	0	2	0	1
MTU 1039	0	3	0	3	0	3	0	3	0	3
MTU 1007	0	5	0	5	0	5	0	5	0	5
HMT-303 FREST	135	565	135	565	135	565	135	565	135	565
HMT-302 FREST	0	8	0	8	0	8	0	8	0	8
VMAT-203 FREST	0	52	0	52	0	52	0	52	0	52
FTC	0	1	0	1	0	1	0	1	0	1
NTTU	0	12	0	12	0	12	0	12	0	12
MTU 1008	0	12	0	12	0	12	0	13	0	12

PART III - TRAINING REQUIREMENTS

The following elements are not affected by the USMC H-1 Upgrades Program and therefore, are not included in Part III of this NTSP.

III.A.2.b. Planned Courses

III.A.2.c. Unique Courses

III.A.3. Existing Training Phased Out

III.B. Total Ship Training Course Summary

III.C. Inactive Duty Training Travel (IDTT) and Annual Training (AT) Summary

PART III - TRAINING REQUIREMENTS

III.A.1. INITIAL TRAINING REQUIREMENTS

Note: Initial training requirements have not yet been determined. When this information becomes available it will be included in updates to this document.

III.A.2. FOLLOW-ON TRAINING

III.A.2.a. EXISTING COURSES

TRAINING ACTIVITY: HMT-303 FREST

LOCATION, UIC: MCAS Camp Pendleton, 66063

CIN, COURSE TITLE: C-2C-3356 AH-1W Pilot Familiarization

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
70	0	70	0	70	0	70	0	70	0	ATIR
70	0	70	0	70	0	70	0	70	0	Output
2.8	0.0	2.8	0.0	2.8	0.0	2.8	0.0	2.8	0.0	AOB
2.8	0.0	2.8	0.0	2.8	0.0	2.8	0.0	2.8	0.0	Chargeable

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
16	0	16	0	16	0	16	0	16	0	ATIR
16	0	16	0	16	0	16	0	16	0	Output
0.6	0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.6	0.0	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

CIN, COURSE TITLE: C-2C-3352 UH-1N Pilot Familiarization

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
44	0	44	0	44	0	44	0	44	0	ATIR
44	0	44	0	44	0	44	0	44	0	Output
0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	AOB
0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.9	0.0	Chargeable

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
5	0	5	0	5	0	5	0	5	0	ATIR
5	0	5	0	5	0	5	0	5	0	Output
0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

III.A.2.a. EXISTING COURSES

TRAINING ACTIVITY: HMT-303 FREST

LOCATION, UIC: MCAS Camp Pendleton, 66063

CIN, COURSE TITLE: M-601-2015 UH-1N Crew Chief Training Syllabus

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	34	0	34	0	34	0	34	0	34	ATIR
0	34	0	34	0	34	0	34	0	34	Output
0.0	12.9	0.0	12.9	0.0	12.9	0.0	12.9	0.0	12.9	AOB
0.0	12.9	0.0	12.9	0.0	12.9	0.0	12.9	0.0	12.9	Chargeable

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	3	0	3	0	3	0	3	0	3	ATIR
0	3	0	3	0	3	0	3	0	3	Output
0.0	1.1	0.0	1.1	0.0	1.1	0.0	1.1	0.0	1.1	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

CIN, COURSE TITLE: M-102-2024 H-1 Communication Navigation Identification System Maintenance

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	106	0	106	0	106	0	106	0	106	ATIR
0	106	0	106	0	106	0	106	0	106	Output
0.0	29.9	0.0	29.9	0.0	29.9	0.0	29.9	0.0	29.9	AOB
0.0	29.9	0.0	29.9	0.0	29.9	0.0	29.9	0.0	29.9	Chargeable

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	13	0	13	0	13	0	13	0	13	ATIR
0	13	0	13	0	13	0	13	0	13	Output
0.0	3.7	0.0	3.7	0.0	3.7	0.0	3.7	0.0	3.7	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

III.A.2.a. EXISTING COURSES

TRAINING ACTIVITY: HMT-303 FREST

LOCATION, UIC: MCAS Camp Pendleton, 66063

CIN, COURSE TITLE: M-601-2014 AH-1T/J and UH-1N Power Plants Power Trains and Rotors Maintenance

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	3	0	3	0	3	0	3	0	3	ATIR
0	3	0	3	0	3	0	3	0	3	Output
0.0	0.8	0.0	0.8	0.0	0.8	0.0	0.8	0.0	0.8	AOB
0.0	0.8	0.0	0.8	0.0	0.8	0.0	0.8	0.0	0.8	Chargeable

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	148	0	148	0	148	0	148	0	148	ATIR
0	148	0	148	0	148	0	148	0	148	Output
0.0	36.1	0.0	36.1	0.0	36.1	0.0	36.1	0.0	36.1	AOB
0.0	36.1	0.0	36.1	0.0	36.1	0.0	36.1	0.0	36.1	Chargeable

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	16	0	16	0	16	0	16	0	16	ATIR
0	16	0	16	0	16	0	16	0	16	Output
0.0	3.9	0.0	3.9	0.0	3.9	0.0	3.9	0.0	3.9	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

CIN, COURSE TITLE: M-602-2081 Helicopter Airframe Mechanic A/UH-1

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	4	0	4	0	4	0	4	0	4	ATIR
0	4	0	4	0	4	0	4	0	4	Output
0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.3	AOB
0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.3	Chargeable

III.A.2.a. EXISTING COURSES

TRAINING ACTIVITY: HMT-303 FREST

LOCATION, UIC: MCAS Camp Pendleton, 66063

CIN, COURSE TITLE: M-602-2081 Helicopter Airframe Mechanic A/UH-1 (Continued)

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	106	0	106	0	106	0	106	0	106	ATIR
0	106	0	106	0	106	0	106	0	106	Output
0.0	8.7	0.0	8.7	0.0	8.7	0.0	8.7	0.0	8.7	AOB
0.0	8.7	0.0	8.7	0.0	8.7	0.0	8.7	0.0	8.7	Chargeable

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	14	0	14	0	14	0	14	0	14	ATIR
0	14	0	14	0	14	0	14	0	14	Output
0.0	1.1	0.0	1.1	0.0	1.1	0.0	1.1	0.0	1.1	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

CIN, COURSE TITLE: M-602-2051 UH-1N Electrical Instrument Systems Organizational Maintenance

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	3	0	3	0	3	0	3	0	3	ATIR
0	3	0	3	0	3	0	3	0	3	Output
0.0	0.5	0.0	0.5	0.0	0.5	0.0	0.5	0.0	0.5	AOB
0.0	0.5	0.0	0.5	0.0	0.5	0.0	0.5	0.0	0.5	Chargeable

CIN, COURSE TITLE: M-102-2021 UH-1N Communication Navigation Identification Systems Organizational Maintenance

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	3	0	3	0	3	0	3	0	3	ATIR
0	3	0	3	0	3	0	3	0	3	Output
0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.3	AOB
0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.3	Chargeable

III.A.2.a. EXISTING COURSES

TRAINING ACTIVITY: HMT-303 FREST

LOCATION, UIC: MCAS Camp Pendleton, 66063

CIN, COURSE TITLE: M-646-2044 H-1 Armament Systems Maintenance

SOURCE: USMC STUDENT CATEGORY (ACDU-TAR or SELRES): USMC - AR

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	68	0	68	0	68	0	68	0	68	ATIR
0	68	0	68	0	68	0	68	0	68	Output
0.0	12.1	0.0	12.1	0.0	12.1	0.0	12.1	0.0	12.1	AOB
0.0	12.1	0.0	12.1	0.0	12.1	0.0	12.1	0.0	12.1	Chargeable

SOURCE: USMC STUDENT CATEGORY (ACDU-TAR or SELRES): SMCR

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	7	0	7	0	7	0	7	0	7	ATIR
0	7	0	7	0	7	0	7	0	7	Output
0.0	1.3	0.0	1.3	0.0	1.3	0.0	1.3	0.0	1.3	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

CIN, COURSE TITLE: M-601-3027 T-400 Engine First Degree Intermediate Maintenance

SOURCE: USMC STUDENT CATEGORY (ACDU-TAR or SELRES): USMC - AR

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	18	0	18	0	18	0	18	0	18	ATIR
0	18	0	18	0	18	0	18	0	18	Output
0.0	2.7	0.0	2.7	0.0	2.7	0.0	2.7	0.0	2.7	AOB
0.0	2.7	0.0	2.7	0.0	2.7	0.0	2.7	0.0	2.7	Chargeable

SOURCE: USMC STUDENT CATEGORY (ACDU-TAR or SELRES): SMCR

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	2	0	2	0	2	0	2	0	2	ATIR
0	2	0	2	0	2	0	2	0	2	Output
0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.3	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

III.A.2.a. EXISTING COURSES

TRAINING ACTIVITY: HMT-303 FREST

LOCATION, UIC: MCAS Camp Pendleton, 66063

CIN, COURSE TITLE: M-602-5811 H-1 Aircraft Electrical Instrument/Automatic Flight Control System Equipment Intermediate Maintenance

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	7	0	7	0	7	0	7	0	7	ATIR
0	7	0	7	0	7	0	7	0	7	Output
0.0	1.3	0.0	1.3	0.0	1.3	0.0	1.3	0.0	1.3	AOB
0.0	1.3	0.0	1.3	0.0	1.3	0.0	1.3	0.0	1.3	Chargeable

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	2	0	2	0	2	0	2	0	2	ATIR
0	2	0	2	0	2	0	2	0	2	Output
0.0	0.4	0.0	0.4	0.0	0.4	0.0	0.4	0.0	0.4	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

CIN, COURSE TITLE: M-102-6483 Helicopter Deceptive Electronic Countermeasures Intermediate Maintenance

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	7	0	7	0	7	0	7	0	7	ATIR
0	7	0	7	0	7	0	7	0	7	Output
0.0	1.5	0.0	1.5	0.0	1.5	0.0	1.5	0.0	1.5	AOB
0.0	1.5	0.0	1.5	0.0	1.5	0.0	1.5	0.0	1.5	Chargeable

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	1	0	1	0	1	0	1	0	1	ATIR
0	1	0	1	0	1	0	1	0	1	Output
0.0	0.2	0.0	0.2	0.0	0.2	0.0	0.2	0.0	0.2	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

III.A.2.a. EXISTING COURSES

TRAINING ACTIVITY: MTU 1068

LOCATION, UIC: NAMTGD Jacksonville, 66051

CIN, COURSE TITLE: D-602-7032 Support Equipment Electrical/Refrigeration Intermediate Maintenance

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	3	0	3	0	3	0	3	0	3	ATIR
0	3	0	3	0	3	0	3	0	3	Output
0.0	0.8	0.0	0.8	0.0	0.8	0.0	0.8	0.0	0.8	AOB
0.0	0.8	0.0	0.8	0.0	0.8	0.0	0.8	0.0	0.8	Chargeable

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	0	0	0	0	0	0	1	0	0	ATIR
0	0	0	0	0	0	0	1	0	0	Output
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

CIN, COURSE TITLE: D-602-7040 Support Equipment Engine/Gas Turbine and Related Systems Intermediate Maintenance

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	3	0	3	0	4	0	3	0	3	ATIR
0	3	0	3	0	4	0	3	0	3	Output
0.0	0.9	0.0	0.9	0.0	1.3	0.0	0.9	0.0	0.9	AOB
0.0	0.9	0.0	0.9	0.0	1.3	0.0	0.9	0.0	0.9	Chargeable

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	1	0	1	0	1	0	1	0	1	ATIR
0	1	0	1	0	1	0	1	0	1	Output
0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.3	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

III.A.2.a. EXISTING COURSES

TRAINING ACTIVITY: MTU 1067

LOCATION, UIC: NAMTGD North Island, 66065

CIN, COURSE TITLE: E-602-7040 Support Equipment Engine/Gas Turbine and Related Systems Intermediate Maintenance

SOURCE: USMC STUDENT CATEGORY (ACDU-TAR or SELRES): USMC - AR

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	7	0	7	0	7	0	7	0	7	ATIR
0	7	0	7	0	7	0	7	0	7	Output
0.0	2.2	0.0	2.2	0.0	2.2	0.0	2.2	0.0	2.2	AOB
0.0	2.2	0.0	2.2	0.0	2.2	0.0	2.2	0.0	2.2	Chargeable

SOURCE: USMC STUDENT CATEGORY (ACDU-TAR or SELRES): SMCR

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	1	0	1	0	1	0	1	0	1	ATIR
0	1	0	1	0	1	0	1	0	1	Output
0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.3	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

CIN, COURSE TITLE: E-602-7032 Support Equipment Electrical/Refrigeration Intermediate Maintenance

SOURCE: USMC STUDENT CATEGORY (ACDU-TAR or SELRES): USMC - AR

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	4	0	4	0	5	0	4	0	4	ATIR
0	4	0	4	0	5	0	4	0	4	Output
0.0	1.2	0.0	1.2	0.0	1.4	0.0	1.2	0.0	1.2	AOB
0.0	1.2	0.0	1.2	0.0	1.4	0.0	1.2	0.0	1.2	Chargeable

SOURCE: USMC STUDENT CATEGORY (ACDU-TAR or SELRES): SMCR

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	0	0	1	0	0	0	0	0	0	ATIR
0	0	0	1	0	0	0	0	0	0	Output
0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

III.A.2.a. EXISTING COURSES

TRAINING ACTIVITY: MTU 1039

LOCATION, UIC: NAMTGD Cecil Field, 66050

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

SOURCE: USMC STUDENT CATEGORY (ACDU-TAR or SELRES): SMCR

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

CIN, COURSE TITLE: D-102-6122 Cryptographic Equipment Intermediate Maintenance

SOURCE: USMC STUDENT CATEGORY (ACDU-TAR or SELRES): USMC - AR

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	2	0	2	0	2	0	2	0	2	ATIR
0	2	0	2	0	2	0	2	0	2	Output
0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	AOB
0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	Chargeable

TRAINING ACTIVITY: MTU 1038

LOCATION, UIC: NAMTGD Lemoore, 66060

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

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

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

SOURCE: USMC STUDENT CATEGORY (ACDU-TAR or SELRES): USMC - AR

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

III.A.2.a. EXISTING COURSES

TRAINING ACTIVITY: MTU 1008

LOCATION, UIC: NAMTGD Miramar, 66064

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

SOURCE: USMC STUDENT CATEGORY (ACDU-TAR or SELRES): SMCR

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

CIN, COURSE TITLE: E-602-4007 F-18 Hydraulic Components Intermediate Maintenance

SOURCE: USMC STUDENT CATEGORY (ACDU-TAR or SELRES): USMC - AR

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	7	0	7	0	7	0	7	0	7	ATIR
0	7	0	7	0	7	0	7	0	7	Output
0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	AOB
0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	Chargeable

SOURCE: USMC STUDENT CATEGORY (ACDU-TAR or SELRES): SMCR

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

CIN, COURSE TITLE: E-102-6122 Cryptographic Equipment Intermediate Maintenance

SOURCE: USMC STUDENT CATEGORY (ACDU-TAR or SELRES): USMC - AR

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	3	0	3	0	3	0	3	0	3	ATIR
0	3	0	3	0	3	0	3	0	3	Output
0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	AOB
0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	Chargeable

III.A.2.a. EXISTING COURSES

TRAINING ACTIVITY: MTU 1008

LOCATION, UIC: NAMTGD Miramar, 66064

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

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

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

TRAINING ACTIVITY: MTU 1007

LOCATION, UIC: NAMTGD Oceana, 66045

CIN, COURSE TITLE: D-602-4007 F-18 Hydraulic Components Intermediate Maintenance

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	4	0	4	0	4	0	4	0	4	ATIR
0	4	0	4	0	4	0	4	0	4	Output
0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.6	AOB
0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.6	Chargeable

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	1	0	1	0	1	0	1	0	1	ATIR
0	1	0	1	0	1	0	1	0	1	Output
0.0	0.2	0.0	0.2	0.0	0.2	0.0	0.2	0.0	0.2	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

III.A.2.a. EXISTING COURSES

TRAINING ACTIVITY: HMT-302 FREST
LOCATION, UIC: MCAS New River, 66062

CIN, COURSE TITLE: M-601-3090 Helicopter Dynamic Component Intermediate Maintenance

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	7	0	7	0	7	0	7	0	7	ATIR
0	7	0	7	0	7	0	7	0	7	Output
0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.6	AOB
0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.6	Chargeable

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

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

TRAINING ACTIVITY: VMAT-203 FREST
LOCATION, UIC: MCAS Cherry Point, 66047

CIN, COURSE TITLE: M-102-6412 Aircraft Communications Equipment Intermediate Maintenance

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	1	0	1	0	1	0	1	0	1	ATIR
0	1	0	1	0	1	0	1	0	1	Output
0.0	0.2	0.0	0.2	0.0	0.2	0.0	0.2	0.0	0.2	AOB
0.0	0.2	0.0	0.2	0.0	0.2	0.0	0.2	0.0	0.2	Chargeable

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	1	0	1	0	1	0	1	0	1	ATIR
0	1	0	1	0	1	0	1	0	1	Output
0.0	0.2	0.0	0.2	0.0	0.2	0.0	0.2	0.0	0.2	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

III.A.2.a. EXISTING COURSES

TRAINING ACTIVITY: VMAT-203 FREST

LOCATION, UIC: MCAS Cherry Point, 66047

CIN, COURSE TITLE: M-102-6413 Aircraft Navigation Systems Equipment Intermediate Maintenance

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	12	0	12	0	12	0	12	0	12	ATIR
0	12	0	12	0	12	0	12	0	12	Output
0.0	2.1	0.0	2.1	0.0	2.1	0.0	2.1	0.0	2.1	AOB
0.0	2.1	0.0	2.1	0.0	2.1	0.0	2.1	0.0	2.1	Chargeable

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	1	0	1	0	1	0	1	0	1	ATIR
0	1	0	1	0	1	0	1	0	1	Output
0.0	0.2	0.0	0.2	0.0	0.2	0.0	0.2	0.0	0.2	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

CIN, COURSE TITLE: M-646-7026 Aviation Ordnance Technician Intermediate Maintenance

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	33	0	33	0	33	0	33	0	33	ATIR
0	33	0	33	0	33	0	33	0	33	Output
0.0	7.1	0.0	7.1	0.0	7.1	0.0	7.1	0.0	7.1	AOB
0.0	7.1	0.0	7.1	0.0	7.1	0.0	7.1	0.0	7.1	Chargeable

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	4	0	4	0	4	0	4	0	4	ATIR
0	4	0	4	0	4	0	4	0	4	Output
0.0	.9	0.0	.9	0.0	.9	0.0	.9	0.0	.9	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

III.A.2.a. EXISTING COURSES

TRAINING ACTIVITY: NTTU
LOCATION, UIC: Keesler AFB, 32861

CIN, COURSE TITLE: C-198-2011 Advanced Calibration Technician

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	11	0	11	0	11	0	11	0	11	ATIR
0	11	0	11	0	11	0	11	0	11	Output
0.0	2.4	0.0	2.4	0.0	2.4	0.0	2.4	0.0	2.4	AOB
0.0	2.4	0.0	2.4	0.0	2.4	0.0	2.4	0.0	2.4	Chargeable

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

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	1	0	1	0	1	0	1	0	1	ATIR
0	1	0	1	0	1	0	1	0	1	Output
0.0	0.2	0.0	0.2	0.0	0.2	0.0	0.2	0.0	0.2	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

TRAINING ACTIVITY: FTC
LOCATION, UIC: San Diego, 30808

CIN, COURSE TITLE: A-100-0073 Micro-miniature Electronics Repair

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

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

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

The following elements are not affected by the USMC H-1 Upgrades Program and, therefore are not included in Part IV of this NTSP.

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

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

IV.C.3. Facility Project Summary by Program

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

IV.A. TRAINING HARDWARE

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

TRAINING ACTIVITY: HMT-303 FREST

LOCATION, UIC: MCAS Camp Pendleton, 66063

CIN, COURSE TITLE: C-600-9355 UH-1N Power Trains Rotors and Related Systems Integrated Organizational Maintenance (as part of track M-601-2014)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0001	T-700-GE-401 Engine Assembly		1	10/1/03	Pending

CIN, COURSE TITLE: C-602-3342 UH-1N AH-1T and AH-1T/TOW Automatic Flight Control System Stability Control Augmentation (as part of track M-602-5811)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0002	Compensator, Armament 209-074-092-1		1	10/1/03	Pending

CIN, COURSE TITLE: C-602-3342 UH-1N AH-1T and AT-1T/TOW Automatic Flight Control System Stability Control Augmentation (as part of track M-602-5811)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0003	Flight Control Panel 209-074-070-1		1	10/1/03	Pending

CIN, COURSE TITLE: C-602-3342 UH-1N AH-1T and AH-1T/TOW Automatic Flight Control System Stability Control Augmentation (as part of track M-602-5811)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0004	Trim Control Unit 209-074-130-1		1	10/1/03	Pending

CIN, COURSE TITLE: C-602-3358 H-1 Electrical Systems Intermediate Maintenance (as part of track M-602-5811)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0005	Bearing Indicator 137200		1	10/1/03	Pending

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

TRAINING ACTIVITY: HMT-303 FREST

LOCATION, UIC: MCAS Camp Pendleton, 66063

CIN, COURSE TITLE: C-602-3358 H-1 Electrical Systems Intermediate Maintenance (as part of track M-602-5811)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0006	RPM Limit Alarm 209-075-326-1		1	10/1/03	Pending

CIN, COURSE TITLE: C-602-3358 H-1 Electrical Systems Intermediate Maintenance (as part of track M-602-5811)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0007	Displacement Gyroscope 2586077-1		1	10/1/03	Pending

CIN, COURSE TITLE: C-602-3358 H-1 Electrical Systems Intermediate Maintenance (as part of track M-602-5811)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0008	Navigation Computer Control 2589386-902		1	10/1/03	Pending

CIN, COURSE TITLE: C-602-3358 H-1 Electrical Systems Intermediate Maintenance (as part of track M-602-5811)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0009	Power Supply 2575892		1	10/1/03	Pending

CIN, COURSE TITLE: C-601-4408 T700-GE-401 Engine Intermediate Maintenance (First Degree) (as part of track M-601-3027)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 001	T-700-GE-401 Engine Assembly		1	10/1/03	Pending

CIN, COURSE TITLE: C-602-3358 H-1 Electrical Systems Intermediate Maintenance (as part of track M-602-5811)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0010	ASN-75 Compensator 2590497		1	10/1/03	Pending

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

TRAINING ACTIVITY: HMT-303 FREST

LOCATION, UIC: MCAS Camp Pendleton, 66063

CIN, COURSE TITLE: C-602-3358 H-1 Electrical Systems Intermediate Maintenance (as part of track M-602-5811)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0011	Aircraft Landing Light 45-0128-3		1	10/1/03	Pending

CIN, COURSE TITLE: C-602-3358 H-1 Electrical Systems Intermediate Maintenance (as part of track M-602-5811)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0012	Compass Indicator Panel 75-0197-3		1	10/1/03	Pending

CIN, COURSE TITLE: C-602-3358 H-1 Electrical Systems Intermediate Maintenance (as part of track M-602-5811)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0013	Induction Transmitter MS25396		1	10/1/03	Pending

CIN, COURSE TITLE: C-602-3358 H-1 Electrical Systems Intermediate Maintenance (as part of track M-602-5811)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0014	Linear Actuator SYLC50114		1	10/1/03	Pending

CIN, COURSE TITLE: C-602-3358 H-1 Electrical Systems Intermediate Maintenance (as part of track M-602-5811)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0015	Bleed Air Valve 9791442-3-1		1	10/1/03	Pending

CIN, COURSE TITLE: C-646-3346 AH-1 Navy Armament and Control Delivery System (NARCADS) Intermediate Maintenance (as part of track M-602-5811)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0025	Armament Jettison Control 1978723-1		1	10/1/03	Pending

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

TRAINING ACTIVITY: HMT-303 FREST

LOCATION, UIC: MCAS Camp Pendleton, 66063

CIN, COURSE TITLE: C-646-3346 AH-1 Navy Armament and Control Delivery System (NARCADS) Intermediate Maintenance (as part of track M-602-5811)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0026	Armament Distribution Box 3759062-1		1	10/1/03	Pending

CIN, COURSE TITLE: C-646-3346 AH-1 Navy Armament and Control Delivery System (NARCADS) Intermediate Maintenance (as part of track M-602-5811)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0027	Armament Control Panel Assembly 3822093-1		1	10/1/03	Pending

TRAINING ACTIVITY: HMT-302 FREST

LOCATION, UIC: MCAS New River, 66062

CIN, COURSE TITLE: C-602-3457 Helicopter Dynamic Component Repair Intermediate Maintenance (as part of track M-601-3090)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0017	Rotor Head		1	10/1/03	Pending

CIN, COURSE TITLE: C-602-3457 Helicopter Dynamic Component Repair Intermediate Maintenance (as part of track M-601-3090)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0018	Tail Rotor Assembly		1	10/1/03	Pending

CIN, COURSE TITLE: C-602-3457 Helicopter Dynamic Component Repair Intermediate Maintenance (as part of track M-601-3090)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0019	Swashplate		1	10/1/03	Pending

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

TRAINING ACTIVITY: HMT-302 FREST
LOCATION, UIC: MCAS New River, 66062

CIN, COURSE TITLE: C-602-3457 Helicopter Dynamic Component Repair Intermediate Maintenance (as part of track M-601-3090)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0020	Scissors and Sleeve		1	10/1/03	Pending

CIN, COURSE TITLE: C-602-3457 Helicopter Dynamic Component Repair Intermediate Maintenance (as part of track M-601-3090)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0021	Main Drive Shaft		1	10/1/03	Pending

CIN, COURSE TITLE: C-602-3457 Helicopter Dynamic Component Repair Intermediate Maintenance (as part of track M-601-3090)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0022	42 Degree Gear Box		1	10/1/03	Pending

CIN, COURSE TITLE: C-602-3457 Helicopter Dynamic Component Repair Intermediate Maintenance (as part of track M-601-3090)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0023	90 Degree Gear Box		1	10/1/03	Pending

CIN, COURSE TITLE: C-602-3457 Helicopter Dynamic Component Repair Intermediate Maintenance (as part of track M-601-3090)

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	STATUS
TTE 0024	Coupler and Hangar Assemblies		1	10/1/03	Pending

IV.A.2. TRAINING DEVICES

DEVICE: AH-1T Drive Control

DESCRIPTION OF DEVICE: An AH-1T drive control used for AH-1W Training

MANUFACTURER: Bell Helicopter Textron, Inc.

CONTRACT NUMBER: TBD

TEE STATUS: NA.

TRAINING ACTIVITY: HMT-303 FRS
LOCATION, UIC : MCAS Camp Pendleton, 66063

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	10/01/03	10/01/03	Pending	C-601-9351 (of track M-601-2014 and M-601-2015) C-600-9363 (of track M-602-2081)

DEVICE: AH-1W NAMT

DESCRIPTION OF DEVICE: The AH-1W NAMT is a Composite Trainer

MANUFACTURER: Bell Helicopter Textron, Inc.

CONTRACT NUMBER: TBD

TEE STATUS: NA.

TRAINING ACTIVITY: HMT-303 FRS
LOCATION, UIC : MCAS Camp Pendleton, 66063

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	FY08	FY09	Pending	C-600-9363 (of track M-602-2081) C-102-9354 (of track M-102-2021) C-198-9351 (of track M-102-2024) C-601-9351 (of track M-601-2015 and M-601-2014) C-602-9360 (of track M-602-2051 and M-102-2024) C-646-9361 (of track M-646-2044) C-104-3351 (of track M-102-2024)

IV.A.2. TRAINING DEVICES

DEVICE: AH-1W WST 2F136

DESCRIPTION OF DEVICE: Dual Cockpit Trainer

MANUFACTURER: CAE Link Flight Simulation Division

CONTRACT NUMBER: TBD

TEE STATUS: NA.

TRAINING ACTIVITY: MCAS
LOCATION, UIC : New River, 45111

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	FY07	FY08	Delivered	Proficiency Training

DEVICE: AH-1W NAMT

DESCRIPTION OF DEVICE: The NAMT is a Composite Trainer

MANUFACTURER: Bell Helicopter Textron, Inc.

CONTRACT NUMBER: TBD

TEE STATUS: NA.

TRAINING ACTIVITY: HMT-303 FRS
LOCATION, UIC : MCAS Camp Pendleton, 66063

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	FY02	FY03	Pending	C-600-9363 (of track M-602-2081) C-646-9361 (of track M-664-2044) C-602-9360 (of track M-602-2051 and M-102-2024) C-601-9351 (of track M-601-2015 and M-601-2014) C-198-9351 (of track M-102-2024) C-102-9354 (of track M-102-2021) C-104-3351 (of track M-102-2024)

IV.A.2. TRAINING DEVICES

DEVICE: APT 2F175

DESCRIPTION OF DEVICE: UH-1N Aircrew Procedures Trainer

MANUFACTURER: TBD

CONTRACT NUMBER: TBD

TEE STATUS: NA.

TRAINING ACTIVITY: MCAS
LOCATION, UIC : New River, 45111

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	FY02	FY03	Pending	Proficiency Training

DEVICE: APT 2F170

DESCRIPTION OF DEVICE: An Upgraded AH-1W APT

MANUFACTURER: Manned Flight Simulator, NAWCAD Pax River MD

CONTRACT NUMBER: TBD

TEE STATUS: NA.

TRAINING ACTIVITY: HMT-303
LOCATION, UIC : MCAS Camp Pendleton, 55176

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	FY03	FY04	Pending	C-2C-3356

TRAINING ACTIVITY: Naval and Marine Corps Reserve
LOCATION, UIC : NAS New Orleans, 61954

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	FY04	FY05	Pending	Proficiency Training

TRAINING ACTIVITY: Naval and Marine Corps Reserve
LOCATION, UIC : NAS Atlanta, 61915

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	FY04	FY05	Pending	Proficiency Training

IV.A.2. TRAINING DEVICES

DEVICE: APT 2F175

DESCRIPTION OF DEVICE: UH-1N Aircrew Procedures Trainer

MANUFACTURER: TBD

CONTRACT NUMBER: TBD

TEE STATUS: NA.

TRAINING ACTIVITY: MCAS Futenma

LOCATION, UIC : Okinawa, 00036

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	FY02	FY03	Pending	Proficiency Training

DEVICE: CCS, PTT

DESCRIPTION OF DEVICE: Cockpit Control System (CCS) Part Task Trainer

MANUFACTURER: Collins Aircraft-Rockwell

CONTRACT NUMBER:

TEE STATUS: NA.

TRAINING ACTIVITY: AH-1W Squadrons

LOCATION, UIC : Various, 00000

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
9	FY02	FY03	Pending	Proficiency Training

DEVICE: UH-1N NAMT

DESCRIPTION OF DEVICE: The UH-1N NAMT is a trainer suite that includes the CMT, AVT, and EAT

MANUFACTURER: TBD

CONTRACT NUMBER: TBD

TEE STATUS: NA.

IV.A.2. TRAINING DEVICES

TRAINING ACTIVITY: HMT-303 FREST
LOCATION, UIC : MCAS Camp Pendleton, 66063

	QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
EAT and AVT	2	FY03	FY04	Pending	C-600-9355 (of track M-601-2014)
UH-1N CMT	1	FY01	FY02	Pending	C-102-9354 (of track M-102-2021) C-600-9363 (of track M-602-2081) C-602-9360 (of track M-602-2051 and M-102-2024) C-646-9361 (of track M-646-2044) C-102-9354 (of track M-102-2021) C-600-9355 (of track M-601-2014) C-600-9363 (of track M-602-2081 and M-602-2081) C-646-9361 (of track M-646-2044) C-602-9360 (of track M-602-2052 and M-102-2024)

DEVICE: WST 2F136

DESCRIPTION OF DEVICE: AH-1W Tactical Trainer

MANUFACTURER: CAE-Link Flight Simulation Division

CONTRACT NUMBER: TBD

TEE STATUS: NA.

TRAINING ACTIVITY: HMT-303
LOCATION, UIC : MCAS Camp Pendleton, 55176

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	FY06	FY07	Pending	C-2C-3356

IV.A.2. TRAINING DEVICES

DEVICE: WST 2F161

DESCRIPTION OF DEVICE: UH-1N Weapon Systems Trainer

MANUFACTURER: Hughes Training, Inc.

CONTRACT NUMBER: N61339-91-C-0059

TEE STATUS: NA.

TRAINING ACTIVITY: HMT-303

LOCATION, UIC : MCAS Camp Pendleton, 55176

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	FY04	FY05	Pending	C-2C-3352

IV.B. COURSEWARE REQUIREMENTS

IV.B.1. TRAINING SERVICES

COURSE/TYPE OF TRAINING	SCHOOL LOCATION/UIC	NO. OF PERSONNEL	MAN WEEKS REQUIRED	DATE BEGIN
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Note: Training services required in support of initial training have not yet been determined. When this information becomes available it will be included in updates to this document.

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: HMT-303 FREST

LOCATION, UIC: MCAS Camp Pendleton, 66063

CIN, COURSE TITLE: C-102-9354 H-1 Communication, Navigation, Identification, and Related Systems Integrated Organizational Maintenance (as part of track M-102-2021)

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Lesson Guides	2	10/1/03	Pending
Student Guides	8	10/1/03	Pending
Student Evaluations	8	10/1/03	Pending
Transparencies	2	10/1/03	Pending
Slides or Video Cassette	2	10/1/03	Pending
Curriculum Outlines	2	10/1/03	Pending

CIN, COURSE TITLE: C-102-9355 H-1 Combined Electrical Maintenance Course (as part of track M-102-2024)

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Lesson Guides	2	10/1/03	Pending
Student Guides	8	10/1/03	Pending
Student Evaluations	8	10/1/03	Pending
Transparencies	2	10/1/03	Pending
Slides or Video Cassette	2	10/1/03	Pending
Curriculum Outline	2	10/1/03	Pending

CIN, COURSE TITLE: C-600-9355 UH-1N Power Trains Rotors and Related Systems Integrated Organizational Maintenance (as part of track M-102-2024)

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Lesson Guides	2	10/1/03	Pending
Student Guides	8	10/1/03	Pending
Student Evaluations	8	10/1/03	Pending
Transparencies	2	10/1/03	Pending
Slides or Video Cassette	2	10/1/03	Pending
Curriculum Outline	2	10/1/03	Pending

CIN, COURSE TITLE: C-600-9363 H-1 Airframes Systems Integrated Organizational Maintenance (as part of track M-603-2081)

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Lesson Guide	2	10/1/03	Pending
Student Guides	8	10/1/03	Pending
Student Evaluations	8	10/1/03	Pending
Transparencies	2	10/1/03	Pending
Slides or Video Cassette	2	10/1/03	Pending
Curriculum Outline	2	10/1/03	Pending

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: HMT-303 FREST

LOCATION, UIC: MCAS Camp Pendleton, 66063

CIN, COURSE TITLE: C-601-4408 T700-GE-401 Engine Intermediate Maintenance (First Degree) (as part of track M-601-3027)

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Lesson Guide	2	10/1/03	Pending
Student Guides	8	10/1/03	Pending
Student Evaluations	8	10/1/03	Pending
Transparencies	2	10/1/03	Pending
Slides or Video Cassette	2	10/1/03	Pending
Curriculum Outline	2	10/1/03	Pending

CIN, COURSE TITLE: C-601-9351 AH-1W Power Trains Rotors and Related Systems Integrated Organizational Maintenance (as part of track M-601-2015 and M-601-2014)

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Lesson Guide	2	10/1/03	Pending
Student Guides	8	10/1/03	Pending
Student Evaluation	8	10/1/03	Pending
Transparencies	2	10/1/03	Pending
Slides or Video Cassette	2	10/1/03	Pending
Curriculum Outline	2	10/1/03	Pending

CIN, COURSE TITLE: C-601-9352 H-1 Combined Maintenance (as part of track M-102-2014)

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Lesson Guides	2	10/1/03	Pending
Student Guides	8	10/1/03	Pending
Student Evaluations	8	10/1/03	Pending
Transparencies	2	10/1/03	Pending
Slides or Video Cassette	2	10/1/03	Pending
Curriculum Outline	2	10/1/03	Pending

CIN, COURSE TITLE: C-602-3342 UH-1N AH-1W and AH-1W/TOW Automatic Flight Control System Stability Control (as part of track M-602-5811)

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Lesson Guide	2	10/1/03	Pending
Student Guides	8	10/1/03	Pending
Student Evaluations	8	10/1/03	Pending
Transparencies	2	10/1/03	Pending
Slides or Video Cassette	8	10/1/03	Pending
Curriculum Outline	2	10/1/03	Pending

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: HMT-303 FREST

LOCATION, UIC: MCAS Camp Pendleton, 66063

CIN, COURSE TITLE: C-602-3358 H-1 Electrical Systems Intermediate Maintenance (as part of track M-602-5811)

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Lesson Guide	2	10/1/03	Pending
Student Guides	8	10/1/03	Pending
Student Evaluations	8	10/1/03	Pending
Transparencies	2	10/1/03	Pending
Slides or Video Cassette	2	10/1/03	Pending
Curriculum Outline	2	10/1/03	Pending

CIN, COURSE TITLE: C-602-3457 Helicopter Dynamic Component Repair Intermediate Maintenance (as part of track M-601-3090)

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Lesson Guides	2	10/1/03	Pending
Student Guides	8	10/1/03	Pending
Student Evaluations	8	10/1/03	Pending
Transparencies	2	10/1/03	Pending
Slides or Video Cassette	2	10/1/03	Pending
Curriculum Outline	2	10/1/03	Pending

CIN, COURSE TITLE: C-602-9360 H-1 Electrical and Stability Control Augmentation System Integrated Organizational Maintenance (as part of track M-602-2051 and M-102-2024)

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Lesson Guides	2	10/1/03	Pending
Student Guides	8	10/1/03	Pending
Student Evaluations	8	10/1/03	Pending
Transparencies	2	10/1/03	Pending
Slides or Video Cassette	2	10/1/03	Pending
Curriculum Outlines	2	10/1/03	Pending

CIN, COURSE TITLE: C-646-3346 AH-1 Navy Armament and Control Delivery System (NARCADS) Intermediate Maintenance (as part of track M-602-5811)

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Lesson Guide	2	10/1/03	Pending
Student Guides	8	10/1/03	Pending
Student Evaluations	8	10/1/03	Pending
Transparencies	2	10/1/03	Pending
Slides or Video Cassette	2	10/1/03	Pending
Curriculum Outline	2	10/1/03	Pending

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: HMT-303 FREST

LOCATION, UIC: MCAS Camp Pendleton, 66063

CIN, COURSE TITLE: C-646-3105 Aviation Ordnance Intermediate Maintenance (as part of track M-646-7026)

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Lesson Guide	2	10/1/03	Pending
Student Guides	8	10/1/03	Pending
Student Evaluations	8	10/1/03	Pending
Transparencies	2	10/1/03	Pending
Slides or Video Cassette	2	10/1/03	Pending
Curriculum Outline	2	10/1/03	Pending

CIN, COURSE TITLE: C-646-9361 H-1 Armament Repair Integrated Organizational Maintenance (as part of track M-646-2044)

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Lesson Guide	2	10/1/03	Pending
Student Guides	8	10/1/03	Pending
Student Evaluations	8	10/1/03	Pending
Transparencies	2	10/1/03	Pending
Slides or Video Cassette	2	10/1/03	Pending
Curriculum Outline	2	10/1/03	Pending

CIN, COURSE TITLE: C-2C-3352 UH-1N Pilot Familiarization

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Bell Helicopter will provide difference data modules that will be incorporated into this course.	1	10/1/03	Pending

CIN, COURSE TITLE: C-2C-3356 AH-1W Pilot Familiarization

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Bell Helicopter will provide difference data modules that will be incorporated into this course.	1	10/1/03	Pending

Note. A complete pilot/aircrew academic computer-based training course has been developed for the AH-1W, which should be given consideration for incorporation of aircraft system changes. In addition, there is also a UH-1N sound/slide-based operator oriented curriculum in place at HMT-303, which should receive benefit of system upgrades. Both sets of curricula are in place and will be subject to life-cycle support revision and maintenance provided by contractor support personnel. There are limited provisions to add new training objectives to the curriculum at that time.

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: HMT-303 FREST

LOCATION, UIC: MCAS Camp Pendleton, 66063

CIN, COURSE TITLE: C-102-9354 H-1 Communication, Navigation, Identification, and Related Systems Organizational Maintenance (as part of track M-102-2021)

TECHNICAL MANUAL TITLE, NUMBER	MEDIUM	QTY REQD	DATE REQD	STATUS
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NOTE: Technical Manuals for the 4BN and 4BW Aircraft are not currently available. The Technical Manuals list is TBD. When this information becomes available it will be included in updates to this NTSP.

PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
PDA	Begin Manpower Analysis	Dec 95	Completed
TSA	Distribute Draft NTSP for Comment	Mar 97	Completed
PDA	4BN and 4BW Engineering, Manufacturing, and Development Contract Award	FY97	Completed
PDA	4BN and 4BW Cockpit Contract Award	FY97	Completed
TSA	Begin 4BN and 4BW Initial Training	FY01	
OPTEVFOR	Begin 4BN TECHEVAL	FY01	
OPTEVFOR	Begin 4BN OPEVAL	FY02	
OPTEVFOR	Begin 4BW TECHEVAL	FY03	
PDA	Begin 4BN Fleet Delivery	FY03	
PDA	Begin 4BW Fleet Delivery	FY03	
OPTEVFOR	Begin 4BW OPEVAL	FY04	
TSA	Begin 4BN and 4BW Follow-on Training	FY04	
PDA	Achieve Material Support Date (4BN)	FY07	
PDA	Achieve Material Support Date (4BW)	FY08	

PART VI - DECISION ITEMS/ACTION REQUIRED

DECISION ITEM OR
ACTION REQUIRED

COMMAND ACTION

DUE DATE

STATUS

PART VII - POINTS OF CONTACT

NAME, ACTIVITY CODE	FUNCTION	TELEPHONE NUMBERS COMMERCIAL, DSN, FAX INTERNET ADDRESS
CAPT D. Cutter CNO N881C	Head, Plans, Policy, and Fleet Maintenance Support	(703)604-7747 DSN 664-7747 FAX (703)693-9972 cutterdm@hq.navy.mil
MAJ B. Lindberg CNO N880F	Resource Sponsor	(703)695-5418 DSN 225-5418
MSGT D. Anderson CNO N889H2A	Aviation Training Plan/Track Development	(703)604-7722 DSN 664-7722 FAX(703)604-6956 anderson.david@hq.navy.mil
CDR Q. Hodge CNO N122H	Aviation Manpower	(703)614-5364 DSN 224-5364
MAJ F. Simonds MCCDC C5325A	Total Force Structure Division	(703)784-6241 DSN 278-6241
MAJ A. Aldridge CMC APW-53	Marine Corps Program Sponsor	(703)614-1729 DSN 224-1729
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LTCOL F. Mazur NAVAIRSYSCOM PMA276M	Deputy Program Manager, USMC H-1 Upgrades	(301)757-5516 FAX (301)757-5516
Mr. T. Ziccardi NAVAIRSYSCOM PMA276H	Deputy Program Manager, UH-1N	(301)757- 5492 FAX (301)757 -5492
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Ms. A. Fairell NAVAIRSYSCOM PMA276M2	Deputy Assistant Program Manager, USMC H-1 Upgrades	(301)757-5502 FAX (301)757-5502

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LCDR E. Hawkins CINCLANTFLT N721	Aviation NTP Manager	(757)332-0101 DSN 565-7853
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Mr. W. Walker NAVAIRSYSCOM PMA2052C	Training Systems Program Manager	(301)757-8090 FAX (301)757-8090
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LtCol Richardson NAVAIRSYSCOM AIR-3.1.2E	HMLA Assistant Program Manager, Logistics	(301)757-5518 FAX (301)757-5518
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MAJ D. Smith NAVAIRSYSCOM AIR-4.1.1.2	UH-1 Assistant Program Manager for Systems Engineering	(301)757-5522 FAX (301)757-5522
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MAJ P. Davidovich NAVAIRSYSCOM AIR-4.1.1.2	H-1 Upgrades Class Desk	(301)757-5515 FAX (301)757-5515
Ms. Mary Williams NATSF 3.3.1.3/23	Tech Data Manager H-1	(215)697-5340 DSN 442-5515
MAJ G. Wagaman FREST, MCAS Camp Pendleton ADOT	HMT-303 FREST OIC	(619)725-3726 DSN 365-4063 FAX (619)725-4037 wagaman@pendleton.usmc.mil

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Mr. Phil Szczyglowski NAVAIRSYSCOM AIR 3.4.1	Competency Manager	(301)757-9182 DSN 757-9182 FAX (301)342-4723 szczyglowski_phil%pax8b @ mr.nawcad.navy.mil
AVCM Roger Lovern NAVAIRSYSCOM AIR 3.4.1	Navy Training System Plan Manager	(301)757-9183 DSN 757-9183 FAX (301)342-4723 lovern_roger%pax8b@mr.nawcad. navy.mil
ATCS Dell Butler NAVAIRSYSCOM AIR 3.4.1	Navy Training System Plan Coordinator	(301)757-9188 DSN 757-9188 FAX (301)342-4723 butler_dell%pax8b@ mr.nawcad.navy.mil