

**DRAFT**

**NAVY TRAINING SYSTEM PLAN**

**FOR THE**

**AIRBORNE MINE NEUTRALIZATION SYSTEM**

**N75-NTSP-P-30-0101/D**

**JANUARY 2001**

## AIRBORNE MINE NEUTRALIZATION SYSTEM

### EXECUTIVE SUMMARY

The Airborne Mine Neutralization System, hereafter referred to as the AMNS, is a Navy Airborne Mine Countermeasures (AMCM) weapon system developed for rapid reconnaissance and assessment of potential Mine Like Object threats; organic detection, avoidance, and force self-protection for Carrier Battle Group and Amphibious Ready Group assets; and the clearance of mine threats, including rapid breakthrough chokepoints. The AMNS is operated by, and deployed from, the MH-53E Sea Dragon Helicopter by Helicopter Mine Countermeasures (HM) Squadrons to hunt, neutralize, and destroy bottom, close-tethered, and in-volume sea mine threats, by using a remote controlled vehicle, identified as a Neutralizer. There are two types of neutralizers. The Expendable Neutralizer is conventional, non-nuclear, live ordnance, which neutralizes or destroys mine threats in place. The Training Neutralizer is practice, inert ordnance, which is reusable for minehunting training and reconnaissance missions. The AMNS is an Acquisition Category II program currently in Phase II of the Weapon System Acquisition Process, Engineering and Manufacturing Development. The AMNS Initial Operational Capability for the MH-53E Helicopter is classified. Future program plans include integrating the AMNS aboard the organic AMCM platform, MH-60S.

The AMNS maintenance concept is based upon the overall objective to ensure components and Support Equipment (SE) are available to fulfill commitments of operational activities and provide the means to restore unserviceable units and SE to serviceable condition with minimal downtime. Maintenance functions, excluding the Training and Expendable Neutralizers, are currently allocated to the Organizational Level (O-Level) and Depot Level (D-Level) of maintenance, as defined in the Naval Aviation Maintenance Program (NAMP), OPNAVINST 4790.2G. Maintenance personnel assigned to the HM Squadrons AMCM Systems Maintenance Department (Work Centers 16A/B) from the aviation source ratings with Navy Enlisted Classification (NEC) code 8391 will perform O-Level maintenance. Additionally Maintenance personnel assigned to the Aircraft Maintenance Department (Work Center 230) in various aviation ratings with no specific NEC code including Aviation Ordnancemen will perform aircraft configuration and O-Level maintenance when the system is installed in the aircraft or in their custody. Either the Original Equipment Manufacturer (OEM) or approved repair facility will perform D-Level maintenance. Maintenance functions for the Training and Expendable Neutralizers are currently allocated to the three levels of maintenance, O-Level, Intermediate Level, and D-Level as defined in the Naval Ordnance Maintenance Management Program (NOMMP), OPNAVINST 8000.16. O-Level maintenance will be performed by those personnel in the departments and work centers identified above. Naval Air Station Weapons Department and shipboard aviation ordnance personnel will perform I-Level maintenance. The OEM or approved repair facility will perform D-Level maintenance.

The AMNS will require an aircrew manning of seven: pilot, co-pilot, and five enlisted aircrewmembers. This is standard crew manning for various AMCM missions. It is anticipated that the AMNS will require no additional operator, maintenance, or tactics billets above those identified in current MH-53E HM Squadron Manning Documents.

**AIRBORNE MINE NEUTRALIZATION SYSTEM**

The AMNS maintenance training concept is O-Level maintenance for non-ordnance AMNS units, as outlined in the NAMP, and O-Level and I-Level maintenance for ordnance AMNS units, as outlined in the NOMMP. Initial and follow-on training will be provided to AMNS operators, maintenance, and tactics personnel. Government personnel will provide initial training to operator, maintenance, and tactics instructors and the first cadre of operator, maintenance, and tactics Fleet personnel. Follow-on training for operators will be conducted at the AMCM Weapon Systems Training School, Naval Station (NS) Norfolk, Virginia. Follow-on training for HM maintenance personnel will be conducted at Maintenance Training Unit (MTU) 1031, Naval Air Maintenance Training Unit, NS Norfolk, Virginia. Follow-on training for Naval Air Station Weapons Department and shipboard aviation ordnance personnel will be conducted at MTU-4032, NS Norfolk, MTU-4030, NS Mayport, Florida, MTU-4035, NAS Whidbey Island, Washington, and MTU-4033, NAS North Island, California. Follow-on training for tactics personnel will be conducted at the Mine Warfare Training Center, NS Ingleside, Texas.

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**AIRBORNE MINE NEUTRALIZATION SYSTEM****LIST OF ACRONYMS**

ACDU	Active Duty
AD	Aviation Machinist's Mate
AE	Aviation Electrician's Mate
AIMD	Aircraft Intermediate Maintenance Department
AM	Aviation Structural Mechanic
AMCM	Airborne Mine Countermeasures
AME	Aviation Structural Mechanic, Safety Equipment
AMH	Aviation Structural Mechanic, Hydraulics
AMNS	Airborne Mine Neutralization System
AMS	Aviation Structural Mechanic, Structures
AMTCS	Aviation Maintenance Training Continuum System
AO	Aviation Ordnanceman
AOB	Average on Board
AT	Avionics Technician
ATS	Acoustic Tracking System
AWSTS	AMCM Weapon Systems Training School
BIT	Built-In Test
BITE	Built-In Test Equipment
CFY	Current Fiscal Year
CIN	Course Identification Number
CM	Corrective Maintenance
CNO	Chief of Naval Operations
COTS	Commercial off-the-Shelf
D-Level	Depot Level
DA	Developing Agency
DSA	Davit and Sheave Assembly

**AIRBORNE MINE NEUTRALIZATION SYSTEM**

**LIST OF ACRONYMS**

DT&E	Developmental Test and Evaluation
EOD	Explosive Ordnance Disposal
ETJ	Electronic Training Jacket
FOC	Fiber Optic Communication
FY	Fiscal Year
GFE	Government Furnished Equipment
GPS	Global Positioning System
HM	Helicopter Mine Countermeasures
I-Level	Intermediate Level
IOC	Initial Operational Capability
IPB	Illustrated Parts Breakdown
IWA	In-Water Assembly
J-Box	Junction Box
LBA	Launch Box Assembly
LORA	Level of Repair Analysis
LRIP	Low Rate Initial Production
MCM	Mine Countermeasures
MIR	Mission Interface Removables
MP	Maintenance Plan
MPT	Manpower, Personnel, and Training

**AIRBORNE MINE NEUTRALIZATION SYSTEM****LIST OF ACRONYMS**

MTU	Maintenance Training Unit
NAMTRAGRU DET	Naval Air Maintenance Training Group Detachment
NAMTRAU	Naval Air Maintenance Training Unit
NAS	Naval Air Station
NATEC	Naval Air Technical Data and Engineering Service Command
NATOPS	Naval Air Training and Operating Procedures Standardization
NAVSURFWARCEN COASTSYSTA	Naval Surface Warfare Center, Coastal Systems Station
NDI	Non-Developmental Item
NEC	Navy Enlisted Classification
NE&SS	Naval Electronics and Surveillance Systems
NOMMP	Naval Ordnance Maintenance Management Program
NOBC	Naval Officer Billet Classification
NS	Naval Station
NTSP	Navy Training System Plan
O-Level	Organizational Level
OCC	Operator Control Console
OEM	Original Equipment Manufacturer
OPO	OPNAV Principal Official
OPEVAL	Operational Evaluation
OPNAVINST	Office of the Chief of Naval Operations Instruction
OS	Operations Specialist
PEO (MUW)	Program Executive Officer, Mine and Undersea Warfare
PM	Preventive Maintenance
PMS	Program Manager, Surface
PNEC	Primary Navy Enlisted Classification

**AIRBORNE MINE NEUTRALIZATION SYSTEM**

**LIST OF ACRONYMS**

PSE	Peculiar Support Equipment
QUAL/CERT	Qualification/Certification
RFOU	Ready For Operational Use
RFT	Ready For Training
SAU	Safe and Arming Unit
SE	Support Equipment
SELRES	Selected Reserve
SNEC	Secondary Navy Enlisted Classification
TA	Training Agency
TAR	Training and Administration of Reserve
TD	Training Device
TECHEVAL	Technical Evaluation
TFMMS	Total Force Manpower Management System
TM	Technical Manual
TP II+	Track Point II Plus
TSA	Training Support Activity
TTE	Technical Training Equipment
UIC	Unit Identification Code
WRA	Weapons Replaceable Assembly
WSESRB	Weapon System Explosives Safety Review Board

**AIRBORNE MINE NEUTRALIZATION SYSTEM**

**PREFACE**

This Draft Navy Training System Plan (NTSP) for the Airborne Mine Neutralization System (AMNS) identifies training and support for the system that will be deployed and operated from the MH-53E by the Helicopter Mine Countermeasures (HM) Squadrons in support of Airborne Mine Countermeasures (AMCM). Future development of the AMNS will see the system deployed from the MH-60S helicopter in support of Organic AMCM. AMNS training and support data pertaining to the MH-60S will be addressed in a separate NTSP. This NTSP complies with guidelines set forth in the Navy Training Requirements Documentation Manual, OPNAV Publication P-751-1-9-97, and reflects the latest information available. Although detailed system characteristics, capabilities, and functions are classified, the contents of this NTSP are unclassified.

**PART I - TECHNICAL PROGRAM DATA**

**A. NOMENCLATURE-TITLE- PROGRAM.**

**1. Nomenclature-Title-Acronym.** Airborne Mine Neutralization System, (AMNS).

**2. Program Element.** Hardware, Training Budget Activity 3, P-1, AMCM Navy Resource Model 33248 - Spares, repair parts, BA-8, 43S0.

**B. SECURITY CLASSIFICATION.** Detailed data on the capabilities and limitations are classified. Information of this nature can be obtained from the Program Executive Officer Mine and Undersea Warfare (PEO [MUW]) Program Manager Surface, Airborne Mine Defense (PMS210).

- 1. System Characteristics .....** Confidential
- 2. Capabilities .....** Confidential
- 3. Functions.....** Confidential

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

OPNAV Principle Official (OPO) Program Sponsor:.....CNO (N752)

OPO Resource Sponsor:.....CNO (N752)

Development Agency:..... PEO (MUW)  
(PMS210)

Development Support Activity ..... NAVSURFWARCEN COASTSYSTA (Code A21)

Training Agency.....CINCLANTFLT  
CINCPACFLT  
CNET  
COMNAVRESFOR

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

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

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

## **D. SYSTEM DESCRIPTION**

**1. Operational Uses.** The AMNS is a Navy AMCM remote controlled mine neutralization system. The system is being developed for the purpose of neutralizing bottom, close-tethered, and in-volume sea mine threats by using remote controlled expendable vehicles identified as Neutralizers, launched from a MH-53E AMCM Helicopter. The destruction of mines is achieved by a shaped charge, which is integrated into the Neutralizer. Mission data from previous AMCM missions is used to determine approximate target position and helicopter-to-target safe standoff distance. The Neutralizers on-board camera provides target identification. The system is intended for use in support of amphibious operations and clearance of port approaches.

**2. Foreign Military Sales.** Currently there are no plans for Foreign Military Sales or any other sources under the AMNS program.

**E. DEVELOPMENTAL TEST AND OPERATIONAL TEST.** The Draft Test and Evaluation Master Plan, Number 1598, for MH-53E AMNS, dated August 2000, documents the overall structure and objectives of the AMNS Developmental Test and Evaluation (DT&E) program.

DT-IIA (MH-53E Integration Test), which is planned to commence January 2001, verifies AMNS interface and operational supportability aboard the MH-53E helicopter and demonstrates AMNS readiness for Technical Evaluation (TECHEVAL).

DT-IIB (TECHEVAL) demonstrates AMNS readiness for Operational Evaluation (OPEVAL) and is planned to commence March 2001 at the Naval Surface Warfare Center, Coastal Systems Station (NAVSURFWARCEN COASTSYSTA) in Panama City, Florida. DT-IIB will be conducted in three segments:

Shipboard Testing (Inert) will be conducted from March 19 to April 20, 2001.

MH-53E Testing (Inert) will be conducted from April 23 to June 15, 2001.

MH-53E Testing (Explosive) will be conducted from April 23 to June 15, 2001 and will be conducted at a site approved for explosive testing.

Lockheed Martin Naval Electronics and Surveillance Systems (NE&SS) provided TECHEVAL training for Navy DT&E personnel in May 2000. NAVSURFWARCEN COASTSYSTA civilian technicians will conduct Aircrew Training Shipboard for pilots, aircrewmembers, ordnance handlers, and maintenance personnel supporting TECHEVAL in January 2001.

OT-II (OPEVAL) will be conducted to determine the operational effectiveness and operational suitability of the AMNS, as integrated in the MH-53E Helicopter, and provide a recommendation regarding Fleet introduction. OT II is planned to commence October 2001 at the NAVSURFWARCEN COASTSYSTA.

OPEVAL Training will be conducted for OPTEVFOR, VX-1, and fleet pilots, aircrewmembers, and maintenance personnel supporting OPEVAL in September 2001. For OPEVAL, NAVSURFWARCEN COASTSYSTA pilots and aircrewmembers will conduct training for fleet pilots and aircrewmembers. NAVSURFWARCEN COASTSYSTA civilian technicians will train fleet maintenance personnel. NAVSURFWARCEN COASTSYSTA tactics personnel will provide training for fleet tactics personnel.

**F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED.** The AMNS will not replace or augment any other system in the Mine Countermeasures (MCM) inventory.

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

**1. Functional Description.** The AMNS system is divided into three major tactical subsystems, and non-aircraft support equipment: The Operator Control Subsystem, Launch and Handling Subsystem, and the Neutralizer Subsystem. The three subsystems include an equipment configuration based on modified Non Developmental Item (NDI), Government Furnished Equipment (GFE), and newly designed components. All the AMNS equipment has the versatility for “roll-on/roll-off” use on the MH-53E helicopter. The following paragraphs describe each of the AMNS subsystems and ancillary components.

**a. Operator Control Console.** The Operator Control Console (OCC) is a modified NDI console and is a part of the Console Assembly, which is pallet-mounted and consists of two operator seats and the OCC. The OCC receives processes, records, and displays data from and issues control commands to the Neutralizer. The OCC is used for directing both the Expendable and Training Neutralizer types to the mine target using an Acoustic Tracking System (ATS) and Neutralizer tracking data. Both Neutralizer types can be controlled from the OCC using different assigned data sets and different branch paths in the same control software. Additional functions include the pre-launch testing of the OCC including TP II+ and GPS interfaces. The OCC can also be used for training and mission replay. The following modifications were made to the console to support the AMNS Program:

(1) The Power Supply Unit was changed from 115V / 60 Hz to 115V / 400 Hz in order to fulfill MH-53E helicopter requirements.

(2) The console internal wiring was modified to meet the Track Point II Plus (TP II+) interface and the helicopter Global Positioning System (GPS) interface adaptations.

(3) Mounting holes were added to attach the CUT / RELEASE switch panel.

(4) Software was modified to:

(a) Provide English text and existing U.S. Navy ASCII symbology.

(b) Provide different operations for Built-In Test (BIT), launching and guidance.

(c) Coordinate transformations from absolute to relative to the In-Water Assembly (IWA) for target and Neutralizer positions.

**b. Launch and Handling.** The Launch and Handling Subsystem consists of a Winch Modification Kit (WMK), IWA, Davit/Sheave Assembly (DSA), Launch Box Assembly (LBA) and IWA Cradle.

The WMK consists of an umbilical cable designed specifically for the AMNS, a slip ring assembly and a stationary Junction Box (J-Box) mounted to the AMCM Single Winch II, which is used to provide communication between the OCC, IWA, and the Neutralizers. A rotating connection is mounted inside of the winch drum in order to connect the umbilical cable to the slip ring assembly. The umbilical cable is color coded in order to provide visual cues for the port or starboard rampman to aid in determining that the Neutralizer is approximately two meters above the water just prior to release, and again when submerging the IWA to the desired depth as operations are about to commence. The stationary J-Box provides power from the helicopter platform to the cut and release mechanism located in the IWA. This J-Box mounts to the winch assembly structure and allows the slip ring to terminate to it. The Cut and Release Switch Panel is part of the WMK, but is physically mounted on the OCC. The release switch requires two conscious operator actions to cut the fiber-optic cable to the Neutralizer prior to retrieving the IWA back into the helicopter.

The IWA consolidates elements of a NDI TP II+ ATS in a single cylindrical tube housing to facilitate Neutralizer launch and tracking operations from a helicopter. The IWA also contains a fiber-optic cable cutter and Neutralizer release mechanism, which are remotely activated by the OCC operator from within the helicopter.

When the Neutralizer is approximately two meters above the surface of the water, the operator commands the release mechanism to drop the Neutralizer from its position below the IWA. When the Neutralizer has transited to a safe distance, the IWA is lowered to a depth of approximately two meters below the surface of the water. After the Neutralizer has performed its mission, the cable cutter is actuated by the operator, cutting the fiber-optic cable to the B-spool and allowing the IWA to be hoisted back into the helicopter without danger of the fiber-optic cable fouling the helicopters rotors. The IWA processing section contains the TP II+ hardware and power supply, as well as the Neutralizer release mechanisms and fiber-optic cable cutter. The in-water umbilical connection is made at the IWA processing section end cap. Once inside, the umbilical cable elements are broken out into three distinct functions: Neutralizer FO data link, TP II+ data link, and power for cut and release.

The DSA is used for streaming of the IWA and Neutralizer and recovery of the IWA after target neutralization. The DSA interfaces with the MH-53E Helicopter structure by securing it to the litter clips provided inside the helicopter. The DSA is supported on both sides of the helicopter. The davit structure is used to mount the sheave assembly that is used to lower the IWA and Neutralizer combination into the water.

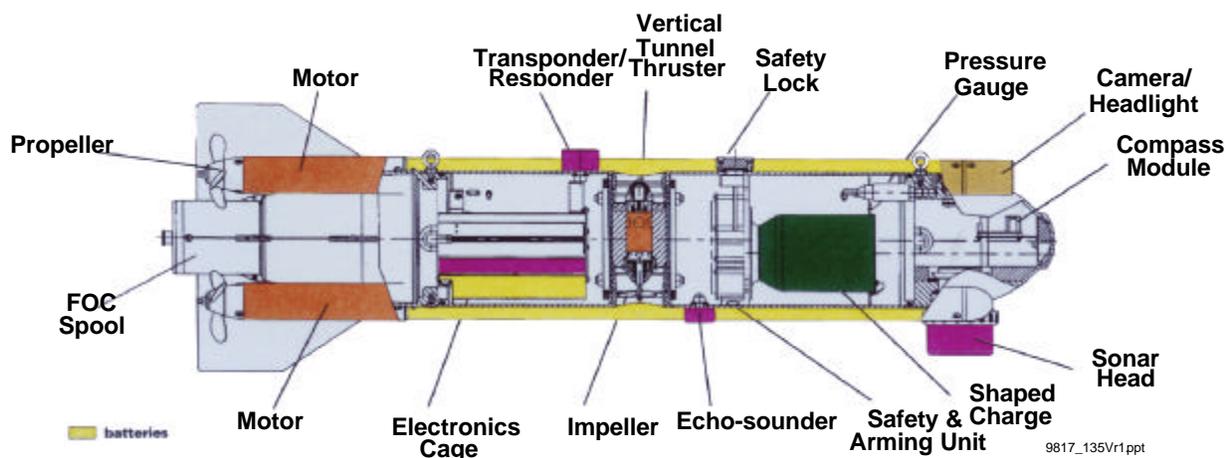
The LBA consists of a multi-function launcher system configured to allow four Neutralizers to be deployed from the MH-53E Helicopter. The LBA provides secure housing for the Neutralizers throughout the time the Neutralizers are onboard the helicopter. The LBA is

located on the airframe centerline, just forward of the stub ramp. The LBA is secured to the flight deck and has vibration-isolating mounts on the bottom side to provide vibration energy absorption.

The IWA Cradle is used to hold and support the IWA during transit to the target destination. The IWA Cradle is secured to the ramp deck, using non-adjustable and adjustable tie downs.

**c. Neutralizer.** The Neutralizer is housed in a self-propelled, remotely controlled vehicle that incorporates sensors needed to relocate and identify a mine target. There are two types of Neutralizers: Expendable Neutralizer (C-version), and Training Neutralizer (I-version). The Expendable Neutralizer, shown in Figure I-1, is a fiber-optic, cable-guided, self-propelled, mine neutralizer used to destroy bottom, close-tethered, and in-volume sea mine threats. The Expendable Neutralizer incorporates sensors for mine relocation and identification, propulsion and control subsystems, plus a shaped charge warhead for mine target neutralization. Mine targets are neutralized by the use of a shaped charge either by sympathetic detonation or by damaging the mine casing rendering the mine inoperative. Expendable Neutralizers are negatively buoyant and used for only one mission. Once the Expendable Neutralizer is released from the IWA, recovery of the Expendable Neutralizer is not possible due to safety reasons. The warhead arming process is irreversible. In the case of a mission where the target is not acquired or the mission is aborted, either warhead sterilization or warhead self-destruction is performed. This is dependent on which stage of the arming sequence the neutralizer is in at the time.

**Figure I-1. EXPENDABLE NEUTRALIZER**



Expendable Neutralizer consists of the following:

- Four propulsion motor/propeller units with their own drive electronics
- One vertical thruster
- Sensors including magnetic compass, inclinometer, roll and pitch, echo sounder, and pressure

- Electronics Cage
- Homing Sonar
- Power supply system consisting of a electronics box battery and four propulsion lithium battery packs
- Warhead and Safe and Arming Unit (SAU)
- Camera and Spotlight
- Transponder/Responder

The Training Neutralizer is used to train the operators how to detect and neutralize bottom, close-tethered, and in-volume sea mine threats. The Training Neutralizer can also be used to inspect and identify potential mine targets. Additionally the Training Neutralizer will be utilized to support maintenance training. The Training Neutralizer does not contain a warhead, is positively buoyant and recoverable. It has been designed to be reusable and to support multiple training missions. The Training Neutralizer incorporates all of the operational features of the Expendable Neutralizer except the following:

- Training Neutralizer uses lead weights in place of the Warhead and SAU.
- The Power supply system consists of four battery packs, each pack having six rechargeable Nickel Cadmium cell batteries wired in series.
- Transponder - A flash beacon is attached to the top of the responder to aid in recovery of the Training Neutralizer.
- Communication between the OCC and Neutralizers is achieved through the Fiber-Optic Communication (FOC) spools. The Expendable Neutralizers utilize only the Expendable A/B FOC spools. Training Neutralizers may utilize either the Expendable A/B FOC spools for aircraft operations or for shipboard use, the reusable ruggedized FOC spools.
- The Expendable and Training Neutralizers utilize the same software that is resident in the OCC. The firmware in the Expendable and Training Neutralizers are the same. The type of Neutralizer is selectable from the OCC. Part of the BIT test is to verify the Neutralizer version connected to the OCC.

**2. Physical Description.** Table I-1 provides the approximate physical characteristics and locations of the AMNS on the MH-53E Helicopter. Weight data provided was taken from the Draft AMNS Systems Specification and are estimated values. Data will be updated to reflect actual values as they are provided.

**TABLE I-1. PHYSICAL DESCRIPTION OF THE AMNS**

COMPONENTS	DEPTH	WIDTH	HEIGHT	WEIGHT	LOCATION
Operator Control Console (OCC)	47 in	25 in	58 in	654 lbs w/o pallet 720 lbs w/ pallet	Forward Cabin
Single Winch w/Modification Kit (WMK)	NA	*	NA	2000 lbs	Middle Cabin
Davit/Sheave Assembly (DSA)	NA	84 in	22 in	150 lbs	Aft Cabin Station 522
Launch Box Assembly (LBA)	72.5 in	56 in	29 in	687 lbs w/ four neutralizers	Aft Cabin Stations 442-522
In-Water Assembly (IWA)	60 in	21 in	27 in	180 lbs	Installed in IWA Cradle on ramp
Neutralizer	51.57 in	15.35 in	15.35 in	124 lbs	Installed in LBA

\* Extension/protrusion from the existing winch envelope will not exceed seven inches.

**3. New Development Introduction.** The AMNS will be introduced as new production.

**4. Significant Interfaces.** The AMNS and its computer resources interface electrically and are compatible with the following:

- a. MH-53E Helicopter
- b. The aircraft's GPS

Lockheed Martin will ensure the interoperability of the AMNS with these systems. Testing during all phases of deployment and production will verify this interoperability.

Note: The MH-53E must be configured with certain Mission Interface Removables (MIR) in order to carry out an AMNS mission. MIR major assemblies include the Console Assembly, Single Winch II Pallet Assembly with the WMK, LBA, cables IWA, and DSA.

**5. New Features, Configurations, or Material.** The AMNS is the first remotely controlled vehicle designed to neutralize mine threats from a Navy helicopter in support of AMCM.

## H. CONCEPTS.

**1. Operational Concept.** The AMNS concept of operation is to neutralize bottom, close-tethered, and in-volume sea mine threats by using remote controlled expendable vehicles launched from a MH-53E Helicopter, operating from various surface ships (CV, LHA, LPD, and MCS) and shore-based sites. As with all other AMCM systems, the AMNS will be modular, so it can be readily installed in, and removed from, the MH-53E helicopter. The system represents a capability that does not exist in the current MCM inventory.

**2. Maintenance Concept.** The AMNS maintenance concept is based upon the overall objective to ensure components and Support Equipment (SE) are available to fulfill commitments of operational activities and provide the means to restore unserviceable units and SE to serviceable condition with minimal downtime. Maintenance functions, excluding the Training and Expendable Neutralizers, are currently allocated to the Organizational Level (O-Level) and Depot Level (D-Level) of maintenance, as defined in the Naval Aviation Maintenance Program, OPNAVINST 4790.2G. Maintenance personnel assigned to the AMCM Systems Maintenance Department (Work Centers 16A/B) from the aviation source ratings with Navy Enlisted Classification (NEC) code 8391 will perform O-Level maintenance. Additionally Maintenance personnel assigned to the Aircraft Maintenance Department (Work Center 230) in various aviation ratings with no specific NEC code will perform aircraft configuration and O-Level maintenance when the system is installed in the aircraft or in their custody. Either the Original Equipment Manufacturer (OEM) or approved repair facility will perform D-Level maintenance.

Maintenance functions for the Training and Expendable Neutralizers are currently allocated to the three levels of maintenance, O-Level, Intermediate Level, and D-Level as defined in the Naval Ordnance Maintenance Management Program (NOMMP), OPNAVINST 8000.16. Those personnel in the departments and work centers identified above will provide o-Level maintenance.

Naval Air Station (NAS) Weapons Department and shipboard aviation ordnance personnel will provide I-Level maintenance. The OEM or approved repair facility will accomplish D-Level maintenance. Description for each level of maintenance is as follows:

Note: Work Center 230 personnel will perform uploading and downloading of the Expendable Neutralizer. Work Centers 16A/B personnel will not handle the Expendable Neutralizer.

### a. Organizational.

**(1) AMNS (excluding Training and Expendable Neutralizers).** O-Level maintenance will be limited to pre-flight preparation; post-flight downloading; performing inspections; system corrosion control (includes cleaning and wash down of all components subjected to saltwater contact); pre- and post-flight self-tests; and removal and replacement of faulty Weapons Replaceable Assemblies (WRA). It is anticipated that Aviation Structural Mechanics (AM), Avionics Technicians (AT), and Aviation Electrician's Mates (AE), with NEC code 8391, assigned to the squadron's AMCM Systems Maintenance Department (Work Centers 16A/B) will perform O-Level maintenance. Additionally, personnel in various aviation ratings

with no specific NEC code including Aviation Ordnanceman (AO) assigned to the squadron's Aircraft Maintenance Department, Mission Configurations Branch (Work Center 230) are responsible for configuring (rigging/de-rigging) the aircraft for the assigned AMCM missions. These personnel will conduct pre- and post-flight self-tests and perform scheduled and unscheduled maintenance on installed equipment and equipment in their custody.

**(a) Preventive Maintenance.** Preventative Maintenance (PM) at the O-Level shall occur between missions and include limited scheduled maintenance consisting of pre- and post-flight inspections, operational readiness testing, and corrosion control.

**(b) Corrective Maintenance.** Corrective Maintenance (CM) will be limited to replacing faulty WRAs identified by system self-tests or visual inspection. No repairs will be attempted at the O-Level on WRAs containing electronics. When failure is indicated, WRAs will be returned to the OEM or designated depot maintenance activity for repair.

**(2) Training Neutralizer.** It is anticipated that ATs and AEs with NEC code 8391 assigned to the squadron's AMCM Systems Maintenance Department (Work Center 16B) will perform organizational maintenance. Aircraft Maintenance Department, Mission Configurations Branch (Work Center 230) personnel in various aviation ratings including AOs with no specific NEC code will perform O-Level maintenance on the Training Neutralizer when in their custody. Organizational maintenance includes the following:

- Remove and install protective devices
- Visual inspection for damage and corrosion
- Cleaning of external surfaces and corrosion control
- Uploading and downloading on aircraft, (W/C 230)
- Neutralizer BIT
- Battery removal and replacement (Training Neutralizer only)

**(3) Expendable Neutralizer.** Aircraft Maintenance Department, Mission Configurations Branch (Work Center 230) personnel in various aviation ratings with no specific NEC code including AOs will perform O-Level maintenance on the Expendable Neutralizer when in their custody. O-Level maintenance includes the following:

- Remove and install protective devices
- Visual inspection for damage and corrosion
- Cleaning of external surfaces and corrosion control
- Uploading and downloading on aircraft
- Neutralizer BIT

**b. Intermediate.** Currently I-Level support for the AMNS (excluding the Training and Expendable Neutralizers) is not required. Due to the use of Nickel Cadmium batteries in the Training Neutralizer, I-Level personnel will be responsible for servicing these batteries. The Expendable Neutralizer is considered an All Up Round. Detailed I-Level requirements have not been identified although, they are anticipated to encompass those outlined in the NOMMP. The primary shore facilities for I-Level maintenance are the Aircraft Intermediate Maintenance Departments (AIMD) NAS Oceana Air Detachment, Naval Station Norfolk, Virginia, Weapons Department, NS Norfolk, Virginia, AIMD Truax Field, NAS, Corpus Christi, Texas, and the Weapons Department, NAS Corpus Christi, Texas. The primary afloat facility for I-Level maintenance is AIMD and Weapons Department, MCS 12, USS INCHON. Detailed information on I-Level test and support equipment requirements is currently not available.

Note: Currently HM-14 Detachment One Bahrain I-Level maintenance requirements are supported by HM-14's I-Level technicians assigned to the detachment. It is anticipated that detachment I-Level personnel will also accomplish I-Level support for the Training Neutralizer batteries. Weapons Department, Bahrain will support I-Level requirements for the Expendable Neutralizer.

**(1) Training Neutralizer.** Currently, I-Level maintenance requirements for the Training Neutralizer will be limited to battery servicing.

**(2) Expendable Neutralizer.** Detailed I-Level maintenance requirements for the Expendable Neutralizer have not been identified and will necessitate further Level Of Repair Analysis (LORA). They are expected to encompass the requirements outlined in the NOMMP for an All Up Round.

**c. Depot.** The OEM or an approved D-Level repair facility will perform D-Level maintenance on the AMNS console and non-expendable subsystems. Subsystem and assemblies are returned to the D-Level for repairs in accordance with the AMNS Maintenance Plan (MP).

**d. Interim Maintenance.** Contractor Engineering and Technical Services with Lockheed Martin NE&SS will be employed during the interim support phase for repairs.

**e. Life-Cycle Maintenance Plan.** Life Cycle Maintenance Plan data will be developed as testing and evaluation of the initial systems is conducted and additional systems and support data are developed. This information will be added to future updates of this NTSP.

**3. Manning Concept.** Due to manpower requirement similarities, manning factors identified in the AN/AQS-14A Proposed NTSP, N85-NTSP-P-30-9903/P, March 2000 and current NEC code 8391 and 8226 HM squadron manning requirements were used as data points to determine preliminary manpower requirements for the AMNS. It is expected that operator, maintenance, and tactics tasks will be within the capabilities of the Navy's existing enlisted rating and officer Navy Officer Billet Classification structures. It is anticipated that introduction of the AMNS will require no additional operator, maintenance, or tactics personnel billets. As the AMNS MP and LORA are updated, preliminary estimates of minimum manning levels will be

reviewed to determine the need for changes to manpower requirements. Refer to Part II of this NTSP for specific activity manpower requirements.

**4. Training Concept.** The AMNS training program will consist of initial TECHEVAL, OPEVAL, instructor, Fleet cadre training, and follow-on training for operator, maintenance, and tactics personnel. Additionally, stand-alone individual functional skill “Class F” training will be developed for the Aircraft Maintenance Department, Mission Configurations Branch (Work Center 230) personnel to include Built-In Test Equipment (BITE) operation, O-Level PM, CM, aircraft configuration, and explosive ordnance safety training specific to the Neutralizer. Information on this course will be added to the next update of this NTSP. AMNS initial and follow-on training for Explosive Ordnance Disposal (EOD) personnel is currently not required.

Note: Navy and civilian personnel handling Expendable and Training Neutralizers will require qualification; meeting such requirements as testing, formal classes, licenses, documented On-the-Job Training and task proficiency, and physical examination; and certification by assigned command or organization unit under local Explosives Handling Personnel Qualification and Certification (QUAL/CERT) Program, as outlined in OPNAVINST 8020.14. The command or organization unit QUAL/CERT board recommends approval based on the individual’s training record, an examination of individual’s technical knowledge, and observation of satisfactorily demonstrated skills. QUAL/CERT Program Records are maintained locally.

Note: Based on the design approach selected, EOD field recovery, render safe, and disposal procedures will be reviewed, approved, and distributed in the form of EOD Bulletins by the Naval EOD Technology Division, Indian Head, Maryland.

Note: If the Training Neutralizer batteries are assigned I-Level maintenance in the future, select squadron I-Level maintenance personnel AEs, may be required to attend the Aircraft Nickel-Cadmium Battery Maintenance and Repair Course, C-600-3177.

**a. Initial Training.** The contractor developed and conducted operator and maintenance training for Navy T&E personnel in support of TECHEVAL. This training was completed in May 2000. TECHEVAL refresher Aircrew Training Shipboard will be conducted by civilian technicians from the AMCM Systems Division A20, NAVSURFWARCEN COASTSYSTA in January 2001. OPEVAL maintenance training will be conducted by civilian technicians from the AMCM Systems Division, Code A20 NAVSURFWARCEN COASTSYSTA. OPEVAL operator training will be conducted by Navy pilots and aircrew from the Air Operations Department, NAVSURFWARCEN COASTSYSTA. OPEVAL operator, maintenance, and tactics training is currently scheduled for September 2001. Both Aircrew Shipboard Training and OPEVAL training will be conducted at NAVSURFWARCEN COASTSYSTA. NAVSURFWARCEN COASTSYSTA civilian technicians, Navy pilots, aircrewmen, and tactics specialists will conduct initial training with curriculum and supporting materials procured by the Training Support Agent for the Naval Air Maintenance Training Units (NAMTRAU), Airborne Mine Countermeasures Weapon Systems Training School (AWSTS), and Mine Warfare Training Center (MWTC) instructors, and an initial cadre of Fleet personnel prior to Initial Operational Capability.

**(1) TECHEVAL and OPEVAL.**

**Title..... AMNS Pre-TECHEVAL and OPEVAL Training Courses**

Description..... Provides familiarization training to selected personnel to sufficiently prepare for and support TECHEVAL and OPEVAL. This will include controls and indications, aircraft rigging/de-rigging, certification procedures, aircrew launch and recovery procedures, console operating procedures, ordnance safety, and system tactics.

Location..... NAVSURFWARCEN COASTSYSTA Panama City

Length..... TECHEVAL: 19 Days  
TECHEVAL Refresher: 10 Days  
OPEVAL: 19 Days

RFT date..... TECHEVAL: May 00 (Complete)  
TECHEVAL Refresher: January 01  
OPEVAL: September 01

TTE/TD..... AMNS, Training Neutralizer, MH-53E

Prerequisite..... Selected Government technicians and Navy personnel in support of TECHEVAL and OPEVAL

**(2) Operator.** Instructors and initial cadre fleet personnel.

**Title..... Airborne Mine Neutralization System Operation and Tactics Initial Training (Pilot)**

Description..... Provides instructors and an initial cadre of fleet pilots the basic skills, tactics and techniques necessary to employ the AMNS. Ordnance familiarization training as it relates to the Neutralizer.

Location..... HM-14 NS Norfolk, Virginia  
HM-15 NAS Corpus Christi

Length..... 5 Days

RFT date..... February 02, HM-14  
February 03 HM-15

TTE/TD..... AMNS, Training Neutralizer, MH-53E

Prerequisite..... Pilot qualified in the MH-53E Helicopter

**Title..... Airborne Mine Neutralization System Operator Initial Training**

Description..... Provides instructors and an initial cadre of fleet aircrewmen the basic skills necessary to stream, operate, and recover the AMNS. Ordnance training as it relates to handling of the Neutralizer.

Location..... HM-14 NS Norfolk, Virginia  
HM-15 NAS Corpus Christi

Length..... 10 Days

RFT date..... February 02, HM-14  
February 03, HM-15

TTE/TD..... AMNS, Training Neutralizer, MH-53E

Prerequisites..... Aircrewman qualified in the MH-53E Helicopter, NEC 8226

**(3) Tactics.** Tactics personnel.

**Title..... Airborne Mine Neutralization System Mission Tactics Initial Training**

Description..... Provides instructors and an initial cadre of fleet tactics personnel the training necessary to properly plan mission requirements and conduct Post Mission Analysis for the AMNS.

Location..... HM-14, TBD  
MWTC, TBD  
HM-15, TBD

Length..... 2 Days

RFT date..... February 02, HM-14  
February 02, MWTC  
February 03, HM-15

TTE/TD..... TBD

Prerequisites..... Tactics personnel

**(4) Maintenance.** Instructors and initial cadre fleet personnel.

**Title..... Airborne Mine Neutralization System Organizational Level Maintenance Initial Training**

Description..... Provides instructors, AIMD (batteries), and an initial cadre of fleet (W/C 16B) personnel with the skills, knowledge, and techniques required to perform Organizational level maintenance and test procedures on electronic/electrical components for the AMNS. Ordnance training as it relates to handling of the Neutralizer.

Location..... HM-14 NS Norfolk, Virginia  
HM-15 NAS Corpus Christi, Texas

Length..... 5 Days

RFT date..... February 02, HM-14  
February 03, HM-15

TTE/TD..... AMNS, Training Neutralizer

Prerequisites..... AE, AT 8391

**Title..... Airborne Mine Neutralization System Organizational Level Maintenance Initial Training (Mechanical)**

Description..... Provides instructors and an initial cadre of Fleet (W/C 16A) personnel with the skills, knowledge, and techniques required to perform Organizational level maintenance and test procedures on mechanical components/Mission Interface Removables for the AMNS.

Location..... HM-14 NS Norfolk, Virginia  
HM-15 NAS Corpus Christi, Texas

Length..... 5 Days

RFT date..... February 02, HM-14  
February 03, HM-15

TTE/TD..... AMNS

Prerequisites..... AM 8391

**Title..... Airborne Mine Neutralization System, Organizational Level Maintenance and Aircraft Configuration Initial Training**

Description..... Provides instructors and an initial cadre of fleet maintenance (W/C 230) personnel with the skills, knowledge, and techniques required to conduct preventive and corrective maintenance, properly configure/de-configure the aircraft, safely handle the neutralizer, and operate BITE for the AMNS. Ordnance training as it relates to the Neutralizer.

Location..... HM-14 NS Norfolk, Virginia  
HM-15 NAS Corpus Christi, Texas

Length..... 5 Days

RFT date..... Feb 02, HM-14  
Feb 03, HM-15

TTE/TD..... AMNS, Training Neutralizer, MH-53E

Prerequisites..... AOs, including any W/C 230 personnel outside of the AO source rate. No specific NEC required.

**Title..... Airborne Mine Neutralization System, Expendable Neutralizer Inspection, Safety, Handling, and Storage**

Description..... Provides instructors and an initial cadre of shore and shipboard Weapons Department aviation ordnance personnel with the skills, knowledge, and techniques required to safely handle, inspect, and store the Expendable Neutralizer.

Location..... NS Norfolk, Virginia  
NAS Corpus Christi, Texas

Length..... 5 Days

RFT date..... Feb 02, NS Norfolk  
Feb 03, NAS Corpus Christi

TTE/TD..... AMNS, Training Neutralizer, MH-53E

Prerequisites..... Instructors, Weapons Department Aviation Ordnance personnel

**b. Follow-on Training.** Follow-on training for operators (Pilots and Aircrewmembers) will be conducted at AWSTS. Follow-on maintenance training will be conducted at Maintenance Training Unit (MTU) 1031, NAMTRAU, NS Norfolk, Virginia. Follow-on training for NAS Weapons Department and shipboard aviation ordnance personnel will be conducted at MTU-4032, NS Norfolk, MTU-4030, NS Mayport, Florida, MTU-4035, NAS Whidbey Island, Washington, and MTU-4033, NAS North Island, California. Follow-on training for tactics personnel will be conducted at the MWTC, NS Ingleside, Texas. AMNS operator, maintenance, and tactics follow-on training will be added to existing training tracks and courses.

Note: AMNS training will be added to the AMCM Pilot courses identified below. It is expected that it will have minor impact and cause no change in student throughput or chargeable student billets, therefore Pilot billet and course information will not be addressed in Sections II and III of this NTSP. Revision information reflecting AMNS training for the courses listed below is addressed in Element 4.d. of this NTSP. Additional information for the AMCM Pilot training tracks identified below can be found in the MH-53E Helicopter Proposed NTSP N88-NTSP-A-50-8417D/P, October 2000.

<b>COURSE NUMBER</b>	<b>COURSE TITLE</b>	<b>TRACK NUMBER</b>	<b>RFT DATE WITH AMNS</b>
D-2C-2762	MH-53E Pilot AMCM Familiarization and OFT	D-2C-2780 D-2C-2781	June 2002, Refer to Element 4.d.
D-2C-2763	MH-53E AMCM Pilot Familiarization/OFT Refresher	D-2C-2784 D-2C-2787	June 2002, Refer to Element 4.d.

Note: AMNS training will be added to the AMCM enlisted operator courses identified below. It is expected that it will have minor impact and cause no change in student throughput or chargeable student billets; therefore these courses will not be addressed in Sections II and III of this NTSP. Revision information reflecting AMNS training for the track associated course listed below is addressed in Element 4.d. of this NTSP. Additional AMCM Aircrew training information can be found in the MH-53E Helicopter Proposed NTSP N88-NTSP-A-50-8417D/P, October 2000.

<b>COURSE NUMBER</b>	<b>COURSE TITLE</b>	<b>TRACK NUMBER</b>	<b>RFT DATE WITH AMNS</b>
D-050-2732	MH-53E AMCM Fleet Replacement Aircrew Category III	D-050-2796	June 2002, Refer to Element 4.d.
D-050-2799	MH-53E AMCM Aircrewman Instructor Under Training	NA Stand Alone	*June 2002

\*Add AMNS training. Change course length from 45 to 48 days. Course currently available at AWSTS NS Norfolk. RFT date with AMNS training is June 2002.

Note: AMNS training will be added to the Aviation Ordnance course identified below. It is expected that it will have minor impact and cause no change in student throughput or chargeable student billets; therefore billet and course information will not be addressed in Sections II and III of this NTSP. Revision information reflecting AMNS training for the course listed below is addressed in Element 4.d. of this NTSP.

<b>COURSE NUMBER</b>	<b>COURSE TITLE</b>	<b>TRACK NUMBER</b>	<b>RFT DATE WITH AMNS</b>
C-646-4108	Air Launched Weapons Ordnance Supervisor	D/E-646-7007	June 2002, Refer to Element 4.d.

Note: AMNS training will be added to the AMCM systems maintenance course identified below. It is expected that it will have minor impact and cause no change in student throughput or chargeable student billets; therefore billet and course information will not be addressed in Sections II and III of this NTSP. Revision information reflecting AMNS training for the course listed below is currently under review and will be addressed in the next update of this NTSP.

<b>COURSE NUMBER</b>	<b>COURSE TITLE</b>	<b>TRACK NUMBER</b>	<b>RFT DATE WITH AMNS</b>
C-647-9456	MH/CH-53E AMCM Organizational Maintenance	D-102-2727, D-601-2717, D-601-2721, D-602-2760	June 2002

Note: AMNS training will be added to the Mine Warfare courses identified below. It is expected that it will have minor impact and cause no change in student throughput or chargeable student billets; therefore billet and course information will not be addressed in Sections II and III of this NTSP. Revision information reflecting AMNS training for the courses listed below is currently under review and will be addressed in the next update of this NTSP.

<b>COURSE NUMBER</b>	<b>COURSE TITLE</b>	<b>TRACK NUMBER</b>	<b>RFT DATE WITH AMNS</b>
A-121-007	MCM MEDAL Supervisor	NA	June 2002
A-2G-2758	Mine Warfare Core	NA	June 2002

**(1) Operator.** The following information identifies the enlisted AMCM operator training track that will be moderately impacted by the addition of AMNS training.

**Title..... Airborne Mine Countermeasures Fleet Replacement Aircrewman Category I Pipeline**

CIN..... D-050-2793

Model Manager.... AWSTS, NS Norfolk

Description..... This course is designed to provide the training necessary to enable MH-53E Aircrew trainees to meet those requirements set forth in the MH-53E Naval Air Training and Operating Procedures Standardization (NATOPS) and to provide basic skills necessary to perform as a crewman in Fleet AMCM squadrons.

Location..... AWSTS, NS Norfolk, Virginia

Length..... 54 days, (64 days with AMNS training and D-050-XXX1, AMNS Operator)

RFT date..... Currently available, (FY02 with AMNS training and D-050-XXX1, AMNS Operator)

Skill identifier..... APO 8226

TTE/TD..... Major training devices required to support this training include the AMCM Stream and Recovery Module, MK-105 Training Device 2H107, and AN/AQS-14A Console Simulator. (FY02 AMNS with training Neutralizer).

Prerequisites..... D-020-2791, MH-53E Fleet Replacement Aircrew (Utility) Category I Pipeline

**(2) Maintenance.** The following information identifies the AMCM maintenance training track that will be moderately impacted by the addition of AMNS training.

**Title..... Airborne Mine Countermeasures Electronic/Electrical Systems Organizational/Intermediate Level Maintenance**

CIN..... D-102-2727

Model Manager.... MTU-1031, NAMTRAU, NS Norfolk

Description..... Provides ATs and AEs with the skills, knowledge, and techniques required to perform Organizational/Intermediate level maintenance and test procedures on AMCM systems.

Location..... MTU-1031, NAMTRAU, NS Norfolk

Length..... 61 days, (82 days FY01 due to the addition of I-Level training), (87 days with C-102-XXX2, AMNS O-Level maintenance course included)

RFT date..... Currently available (FY02 with C-102-XXX2, AMNS O-Level maintenance course)

Skill identifier..... AE, AT 8391

TTE/TD..... The major training device required to support this training is the AN/AQS-14A Console Simulator. (FY02 AMNS with training Neutralizer).

Prerequisite..... C-100-2020, Avionics Common Core Class A1  
C-100-2018, Avionics Technician O-Level Class A1  
C-602-2039, Aviation Electrician's Mate O-Level Strand Class A1 and or,  
C-602-2042, Aviation Electrician's Mate I-Level Strand Class A1  
C-100-2017, Avionics Technician I-Level Class A1

**c. Student Profiles.** The following information depicts the profiles of students that will attend AMNS follow-on training.

<b>SKILL IDENTIFIER</b>	<b>PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS</b>
AE 8391	C-100-2020, Avionics Common Core Class A1 C-602-2039, Aviation Electrician's Mate O-Level Strand Class A1 C-602-2042, Aviation Electrician's Mate I-Level Strand Class A1
AM 8391	C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1 C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Organizational Level Strand Class A1
AO 6801	C-646-2011, Aviation Ordnanceman Common Core Class A1 C-646-2013, Aviation Ordnanceman Course Weapons Department Strand Class A1
AT 8391	C-100-2020, Avionics Common Core Class A1 C-100-2018, Avionics Technician O-Level Class A1 C-100-2017, Avionics Technician I-Level Class A1
APO 8226	Q-050-1500, Naval Aircrewman Candidate School D-020-2791, MH-53E Fleet Replacement Aircrew (Utility) Category I Pipeline D/E-2D-0039, Survival, Evasion, Resistance, and Escape

**d. Training Pipelines.** Revisions required to existing AMCM operator, maintenance, and tactics training tracks relating to follow-on training support for the AMNS are as follows. Due to this being new development training the extent of impact to these training tracks has been estimated. No new training tracks or NEC codes are required.

**a. D-2C-2780, MH-53E AMCM Pilot Category I Pipeline and D-2C-2781, MH-53 AMCM Pilot Category II Pipeline.** Revisions required are:

- 1) Revise D-2C-2762, MH-53E Pilot AMCM Familiarization and OFT. Add AMNS training information. Change course length from 33 to 35 days. Course currently available at AWSTS, NS Norfolk. RFT date with AMNS training is June 2002.
- 2) Change Category I total track length to 172 days. Change Category II total track length to 143 days.

**b. D-2C-2784, MH-53E AMCM Pilot Category III Pipeline and D-2C-2787, MH-53 AMCM Pilot Category IV Pipeline.** Revisions required are:

1) Revise D-2C-2763, MH-53E AMCM Pilot Familiarization/OFT Refresher. Add AMNS training information. Change course length from 10 to 11 days. Course currently available at AWSTS, NS Norfolk. RFT date with AMNS training is June 2002.

2) Change Category III total track length to 95 days. Change Category IV total track length to 68 days.

**c. D-050-2793, MH-53E AMCM Fleet Replacement Aircrewman Category I Pipeline.** Revisions required are:

1) Revise D-050-2709, MH-53E AMCM Fleet Replacement Aircrew Category 1. Add AMNS training information (equipment pre-flight, theory of operation, stream and recovery). Change course length from 50 to 53 days. Course currently available at AWSTS, NS Norfolk. RFT date with AMNS training is June 2002.

2) Add D-050-XXX1, AMNS Operator. Course length 5 days. Establish this course at AWSTS NS Norfolk. RFT date is June 2002.

3) Change total track length to 64 days.

**d. D-050-2796, MH-53E AMCM Fleet Replacement Aircrew Category III Pipeline.** Revisions required are:

1) Revise D-050-2732, MH-53E AMCM Fleet Replacement Aircrew Category III. Add AMNS refresher training. Change course length from 22 to 25 days. Course currently available at AWSTS, NS Norfolk. RFT date with AMNS training is June 2002.

2) Change total track length to 29 days.

**e. D-102-2727, AMCM Electronic/Electrical Systems Organizational/Intermediate Maintenance.** Revisions required are:

1) Add C-102-XXX2, AMNS Organizational Level Maintenance. Course length 5 days. Establish this course at MTU-1031, NAMTRAU, NS Norfolk. RFT date is June 2002.

2) Change total track length to 87 days.

**f. D/E-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance.** Revisions required are:

1) Revise C-646-4108, Air Launched Weapons Ordnance Supervisor. Add AMNS training information. Course impact (TBD).

2) Change total track length to (TBD).

## **I. ONBOARD (IN-SERVICE) TRAINING.**

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

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

Technology investments enable the development of several state-of-the-art training and administrative tools: Computer-Based Training for the technicians in the Fleet in the form of Interactive Courseware with Computer Managed Instruction and Computer Aided Instruction for the schoolhouse.

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

Upon receipt of direction from OPNAV (N789H), AMTCS is to be implemented and the new tools integrated into the daily training environment of all participating aviation activities and supporting elements. AMTCS will serve as the standard training system for aviation maintenance training within the Navy and Marine Corps, and is planned to supersede the existing programs, Maintenance Training Improvement Program and Maintenance Training Management and Evaluation Program programs.

AMNS training is expected to encompass the requirements of AMTCS. The QUAL/CERT Program requires periodic, local QUAL/CERT events to be documented in a QUAL/CERT Record. These QUAL/CERT Records will be maintained physically at the local activity, but will be entered electronically into the ETJ for tracking purposes.

**2. Personnel Qualification Standards.** Currently, there are no plans to develop a formal AMNS Personal Qualification Standard.

**3. Other Onboard or In-Service Training Packages.** None identified at this time.

Note: Although no other formal training curricula requirements have been established, it is anticipated that AMNS specific Job Qualification Requirements will be needed to support the requirements of the Explosives Handling Qualification and Certification Program.

**J. LOGISTICS SUPPORT.**

**1. Manufacturer and Contract Numbers.**

CONTRACT NUMBER	MANUFACTURER	ADDRESS
N00024-99-9-6311	Lockheed Martin Naval Electronics and Surveillance Systems (NE&SS)	Electronics Park Building 7 Syracuse, NY 13221-4840 <a href="http://www.lockheedmartin.com/syracuse">http://www.lockheedmartin.com/syracuse</a>

**2. Program Documentation.** Lockheed Martin NE&SS’s Integrated Support Plan, entitled Final Logistics Plan for the Airborne Mine Neutralization System, dated 19 October 2000 is currently available. The AMNS Acquisition Logistics Support Plan and MP are under development and the drafts will be available for review by March 2001.

**3. Technical Data Plan.** Lockheed Martin NE&SS developed and delivered a Preliminary COTS/NDI Technical Manual, consisting of related Work Packages, to support TECHEVAL and OPEVAL. The Preliminary COTS/NDI TM will support AMNS operation, maintenance, and training of the system and subsystems for TECHEVAL and OPEVAL. The Government will validate the Preliminary COTS/NDI TM during TECHEVAL and OPEVAL and will update the Preliminary COTS/NDI TM during the T&E phase. The Naval Air Technical Data and Engineering Service Command (NATEC), San Diego, California chairs AMNS TM Adequacy Reviews to verify Government updates. After OPEVAL, the Preliminary COTS/NDI TM will have its Work Packages (0006 00, 010 00, and 011 00) broken out to the appropriate TMs. A Final COTS/NDI TM will be issued to the Fleet with NATEC approval. Operator procedures will be submitted to the AMCM model manager for approval and inclusion in affected NATOPS manuals. Current plans call for AMNS TMs to be developed and distributed in “Hard Copy” format. The Preliminary COTS/NDI TM and associated Work Packages are identified in Element IV.B.3 of the NTSP.

**4. Test Sets, Tools, and Test Equipment.** Equipment required to support TECHEVAL is currently available. Information for this element related to operational and training activities will be identified in the next update to this NTSP.

**5. Repair Parts.** The Naval Inventory Control Point, Mechanicsburg, Pennsylvania is responsible for AMNS supply support of non-ordnance material. The Naval Ammunition Logistics Center, Mechanicsburg, Pennsylvania is responsible for AMNS supply support of ordnance material. Fleet users will requisition material via Military Standard Requisition and Issue Process. The AMNS Material Support Date is scheduled for August 2006.

**6. Human Systems Integration.** Detailed Human Systems Integration information is contained in the AMNS contractor ILP Number 77A119583, December 1999 and the AMNS Logistics Plan, October 2000.

**K. SCHEDULES.**

**1. Installation and Delivery Schedules.** The schedule below identifies the number of systems projected for Fleet delivery.

<b>DELIVERY SCHEDULE</b>				
<b>ACTIVITY</b>	<b>FY00</b>	<b>FY01</b>	<b>FY02</b>	<b>FY03</b>
HM-14	0	0	4	0
HM-15	0	0	0	6

**2. Ready for Operational Use Schedules.** The AMNS is Ready For Operational Use (RFOU) upon delivery to the squadron.

**3. Time Required to Install at Operational Sites.** The system is delivered RFOU but is not permanently installed in the aircraft. Objective is two hours and the threshold is four hours for four technicians to install the system in an AMCM configured aircraft and two hours for removal by four technicians. Approximately thirty minutes will be required for system operational checks once installed in the aircraft.

**4. Foreign Military Sales and Other Source Delivery Schedule.** NA

**5. Training Device and Technical Training Equipment Delivery Schedule.** Lockheed Martin will be providing Training Devices (TD) and Technical Training Equipment (TTE) necessary to support TECHEVAL and OPEVAL training. Training activity and fleet requirements are currently under review and will be identified in the next update to this NTSP.

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

**M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS.**

<b>DOCUMENT OR NTSP TITLE</b>	<b>DOCUMENT OR NTSP NUMBERS</b>	<b>DA CODE</b>	<b>STATUS</b>
AMNS Weapon System Explosives Safety Review Board Data Package	NA	NAVSURFWARCEN COASTSYSTA	Draft April 1999
System Performance Specification for the AMNS	E7-C163	PMS210	Draft August 1999
AN/AQS-14A NTSP	N85-NTSP-P-30-9903/P	PMS210	Proposed March 2000
MH-53E AMCM Helicopter NTSP	N88-NTSP-A-50-8417D/A	PMA261	February 2001
Final Logistics Plan for the Airborne Mine Neutralization System (AMNS)	AMNS LP No. 77A119583-C	PMS210	Final October 2000

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

The following elements are not affected by the AMNS and, therefore, are not included in Part II of this NTSP:

### II.A. Billet Requirements

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

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

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

Note: Officer information has been omitted from this section due to the limited impact the AMNS has to officer training and no changes to officer billet requirements. Refer to the activities Manpower Document for officer billet information.

**PART II - BILLET AND PERSONNEL REQUIREMENTS**

**II.A. BILLET REQUIREMENTS**

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

**SOURCE:** Total Force Manpower Management System

**DATE:** 12/1/00

<b>ACTIVITY, UIC</b>	<b>PFYs</b>	<b>CFY01</b>	<b>FY02</b>	<b>FY03</b>	<b>FY04</b>	<b>FY05</b>
<b>OPERATIONAL ACTIVITIES - NAVY</b>						
Helicopter Mine Countermeasures, HM-14	53827	0	0	4	0	0
Helicopter Mine Countermeasures, HM-15	55201	0	0	0	6	0
<b>TOTAL:</b>		0	0	4	6	0
<b>FLEET SUPPORT ACTIVITIES - NAVY</b>						
AIMD MCS 12, USS Inchon	20009	1	0	1	0	0
AIMD Oceana Air Det Norfolk	44325	1	0	1	0	0
AIMD Truax Field, NAS Corpus Christi	30244	1	0	0	1	0
COMHELTACWINGLANT	44890	1	0	1	0	0
HMT-302 NAVY Det	09132	1	0	0	0	0
NAVRTYWING ACTESTRON	39784	1	0	0	0	0
NAVSURFWARCEN COASTSYSTA	61331	1	1	0	0	0
VX-1	55600	1	0	0	0	0
COMHELWINGRES	09983	1	0	1	0	0
<b>TOTAL</b>		9	1	4	1	0

Note: Although these activities are currently active, the information in the CFY01-FY03 columns above illustrates activity activation based on AMNS developmental (TECHEVAL/OPEVAL) support and fleet delivery.

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
OPERATIONAL ACTIVITIES - NAVY					
<b>Helicopter Mine Countermeasures, HM-14, 53827</b>					
ACDU	0	1	AD1	8391	
	0	1	AD2	8391	
	0	2	AD3	8391	
	0	1	ADAN	8391	
	0	1	AE1	8391	
	0	3	AE2	8391	
	0	2	AE3	8391	
	0	2	AEAN	8391	
	0	1	AMH1	8391	
	0	2	AMH2	8391	
	0	4	AMH3	8391	
	0	3	AMHAN	8391	
	0	2	AMS1	8391	
	0	2	AMS2	8391	
	0	2	AMS3	8391	
	0	3	AMSAN	8391	
	0	2	APOCS	8226	
	0	2	APOC	8226	
	0	10	APO1	8226	
	0	25	APO2	8226	
	0	24	APO3	8226	
	0	16	APOAN	8226	
	0	2	AT1	8391	
	0	3	AT2	8391	
	0	2	AT2	8391	9526
	0	1	AT3	8391	
TAR	0	1	AE1	8391	
	0	2	AE2	8391	
	0	2	AMH1	8391	
	0	2	AMH3	8391	
	0	1	AMHAN	8391	
	0	1	AMS3	8391	
	0	1	APOC	8226	
	0	2	APO1	8226	
	0	2	APO2	8226	
	0	2	APO3	8226	
	0	5	APOAN	8226	
	0	2	AT1	8391	
	0	2	AT2	8391	
	0	1	AT3	8391	
SELRES	0	1	ADAN	8391	
	0	1	AE3	8391	
	0	1	AEAN	8391	

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
SELRES	0	2	AMHAN	8391	
	0	1	AMS2	8391	
	0	1	AMSAN	8391	
	0	1	APOC	8226	
	0	2	APO1	8226	
	0	3	APO2	8226	
	0	4	APO3	8226	
	0	3	APOAN	8226	
	0	1	AT3	8391	
	0	3	ATAN	8391	
<b>ACTIVITY TOTAL:</b>	0	169			
<b>Helicopter Mine Countermeasures, HM-15, 55201</b>					
ACDU	0	1	AD1	8391	
	0	1	AD2	8391	
	0	2	AD3	8391	
	0	1	ADAN	8391	
	0	1	AE1	8391	
	0	3	AE2	8391	
	0	2	AE3	8391	
	0	2	AEAN	8391	
	0	1	AMH1	8391	
	0	2	AMH2	8391	
	0	4	AMH3	8391	
	0	3	AMHAN	8391	
	0	2	AMS1	8391	
	0	2	AMS2	8391	
	0	2	AMS3	8391	
	0	3	AMSAN	8391	
	0	2	APOCS	8226	
	0	2	APOC	8226	
	0	10	APO1	8226	
	0	25	APO2	8226	
	0	24	APO3	8226	
	0	16	APOAN	8226	
	0	2	AT1	8391	
	0	3	AT2	8391	
	0	2	AT2	8391	9526
	0	1	AT3	8391	
	TAR	0	1	AE1	8391
0		2	AE2	8391	
0		2	AMH1	8391	
0		2	AMH3	8391	
0		1	AMHAN	8391	
0		1	AMS3	8391	
0		1	APOC	8226	

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
TAR	0	2	APO1	8226	
	0	2	APO2	8226	
	0	2	APO3	8226	
	0	5	APOAN	8226	
	0	2	AT1	8391	
	0	2	AT2	8391	
	0	1	AT3	8391	
SELRES	0	1	ADAN	8391	
	0	1	AE3	8391	
	0	1	AEAN	8391	
	0	2	AMHAN	8391	
	0	1	AMS2	8391	
	0	1	AMSAN	8391	
	0	1	APOC	8226	
	0	2	APO1	8226	
	0	3	APO2	8226	
	0	4	APO3	8226	
	0	3	APOAN	8226	
	0	1	AT3	8391	
	0	3	ATAN	8391	
	<b>ACTIVITY TOTAL:</b>	0	169		
FLEET SUPPORT ACTIVITIES - NAVY					
<b>AIMD MCS 12, USS Incheon, 20009</b>					
ACDU	0	1	AE1	8391	9526
	0	1	AT1	8391	
SELRES	0	1	AT2	8391	
<b>ACTIVITY TOTAL:</b>	0	3			
<b>AIMD Oceana Air Det Norfolk, 44325</b>					
ACDU	0	2	AE2	8391	
	0	4	AT2	8391	
	0	1	AT2	8391	9527
<b>ACTIVITY TOTAL:</b>	0	7			
<b>AIMD Truax Field, NAS Corpus Christi, 30244</b>					
ACDU	0	1	AE2	8391	9527
	0	1	AT1	8391	9527
	0	1	AT2	8391	
<b>ACTIVITY TOTAL:</b>	0	3			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
<b>COMHELTACWINGLANT, 44890</b>					
ACDU	0	1	AD1	8226	8303
	0	1	AEC	8377	8391
	0	1	AMHC	8391	8379
	0	1	APOC	8226	
	0	1	ATC	8391	
<b>ACTIVITY TOTAL:</b>	<b>0</b>	<b>5</b>			
<b>HMT-302 NAVY Det, 09132</b>					
ACDU	0	1	AD2	8226	
	0	4	AD3	8226	
<b>ACTIVITY TOTAL:</b>	<b>0</b>	<b>5</b>			
<b>NAVRTYWING ACTESTRON, 39784</b>					
ACDU	0	1	AD2	8226	
	0	1	AE2	8226	
<b>ACTIVITY TOTAL:</b>	<b>0</b>	<b>2</b>			
<b>NAVSURFWARCEN COASTSYSTA, 61331</b>					
ACDU	0	1	AD1	8226	8303
	0	1	AD2	8226	8303
	0	1	AEC	8226	
	0	1	AE1	8226	
	0	1	AE1	8226	8303
	0	1	AE3	8226	8303
	0	1	AMH1	8226	8303
	0	1	ADC	8226	
	0	1	AMH3	8226	
	0	1	AMSC	8226	
	0	1	AMS1	8226	8303
	0	1	AMS2	8226	8303
	0	1	AMS3	8226	
<b>ACTIVITY TOTAL:</b>	<b>0</b>	<b>13</b>			
<b>VX-1, 55600</b>					
ACDU	0	1	APO2	8226	
<b>ACTIVITY TOTAL:</b>	<b>0</b>	<b>1</b>			
<b>COMHELWINGRES, 09983</b>					
TAR	0	1	AMH1	8226	
<b>ACTIVITY TOTAL:</b>	<b>0</b>	<b>1</b>			

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY01		FY02		FY03		FY04		FY05	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NAVY OPERATIONAL ACTIVITIES - ACDU													
AD1	8391		2		0		0		0		0		0
AD2	8391		2		0		0		0		0		0
AD3	8391		4		0		0		0		0		0
ADAN	8391		2		0		0		0		0		0
AE1	8391		2		0		0		0		0		0
AE2	8391		6		0		0		0		0		0
AE3	8391		4		0		0		0		0		0
AEAN	8391		4		0		0		0		0		0
AMH1	8391		2		0		0		0		0		0
AMH2	8391		4		0		0		0		0		0
AMH3	8391		8		0		0		0		0		0
AMHAN	8391		6		0		0		0		0		0
AMS1	8391		4		0		0		0		0		0
AMS2	8391		4		0		0		0		0		0
AMS3	8391		4		0		0		0		0		0
AMSAN	8391		6		0		0		0		0		0
APOCS	8226		4		0		0		0		0		0
APOC	8226		4		0		0		0		0		0
APO1	8226		20		0		0		0		0		0
APO2	8226		50		0		0		0		0		0
APO3	8226		48		0		0		0		0		0
APOAN	8226		32		0		0		0		0		0
AT1	8391		4		0		0		0		0		0
AT2	8391		6		0		0		0		0		0
AT2	8391	9526	4		0		0		0		0		0
AT3	8391		2		0		0		0		0		0
NAVY OPERATIONAL ACTIVITIES - TAR													
AE1	8391		2		0		0		0		0		0
AE2	8391		4		0		0		0		0		0
AMH1	8391		4		0		0		0		0		0
AMH3	8391		4		0		0		0		0		0
AMHAN	8391		2		0		0		0		0		0
AMS3	8391		2		0		0		0		0		0
APOC	8226		2		0		0		0		0		0
APO1	8226		4		0		0		0		0		0
APO2	8226		4		0		0		0		0		0
APO3	8226		4		0		0		0		0		0
APOAN	8226		10		0		0		0		0		0
AT1	8391		4		0		0		0		0		0
AT2	8391		4		0		0		0		0		0
AT3	8391		2		0		0		0		0		0

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY01		FY02		FY03		FY04		FY05	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NAVY OPERATIONAL ACTIVITIES - SELRES													
ADAN	8391		2		0		0		0		0		0
AE3	8391		2		0		0		0		0		0
AEAN	8391		2		0		0		0		0		0
AMHAN	8391		4		0		0		0		0		0
AMS2	8391		2		0		0		0		0		0
AMSAN	8391		2		0		0		0		0		0
APOC	8226		2		0		0		0		0		0
APO1	8226		4		0		0		0		0		0
APO2	8226		6		0		0		0		0		0
APO3	8226		8		0		0		0		0		0
APOAN	8226		6		0		0		0		0		0
AT3	8391		2		0		0		0		0		0
ATAN	8391		6		0		0		0		0		0
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
AD1	8226	8303		2		0		0		0		0	0
AD2	8226			2		0		0		0		0	0
AD2	8226	8303		1		0		0		0		0	0
AD3	8226			4		0		0		0		0	0
AEC	8226			1		0		0		0		0	0
AEC	8377	8391		1		0		0		0		0	0
AE1	8226			1		0		0		0		0	0
AE1	8226	8303		1		0		0		0		0	0
AE1	8391	9526		1		0		0		0		0	0
AE2	8226			1		0		0		0		0	0
AE2	8391			2		0		0		0		0	0
AE2	8391	9527		1		0		0		0		0	0
AE3	8226	8303		1		0		0		0		0	0
AMHC	8391	8379		1		0		0		0		0	0
AMH1	8226	8303		1		0		0		0		0	0
ADC	8226			1		0		0		0		0	0
AMH3	8226			1		0		0		0		0	0
AMSC	8226			1		0		0		0		0	0
AMS1	8226	8303		1		0		0		0		0	0
AMS2	8226	8303		1		0		0		0		0	0
AMS3	8226			1		0		0		0		0	0
APOC	8226			1		0		0		0		0	0
APO2	8226			1		0		0		0		0	0
ATC	8391			1		0		0		0		0	0
AT1	8391			1		0		0		0		0	0
AT1	8391	9527		1		0		0		0		0	0
AT2	8391			5		0		0		0		0	0
AT2	8391	9527		1		0		0		0		0	0
NAVY FLEET SUPPORT ACTIVITIES - TAR													
AMH1	8226			1		0		0		0		0	0
NAVY FLEET SUPPORT ACTIVITIES - SELRES													
AT2	8391			1		0		0		0		0	0

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY01		FY02		FY03		FY04		FY05	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
<b>SUMMARY TOTALS:</b>													
NAVY OPERATIONAL ACTIVITIES - ACDU		238		0		0		0		0		0	
NAVY OPERATIONAL ACTIVITIES - TAR		52		0		0		0		0		0	
NAVY OPERATIONAL ACTIVITIES - SELRES		48		0		0		0		0		0	
NAVY FLEET SUPPORT ACTIVITIES - ACDU		38		0		0		0		0		0	
NAVY FLEET SUPPORT ACTIVITIES - TAR		1		0		0		0		0		0	
NAVY FLEET SUPPORT ACTIVITIES - SELRES		1		0		0		0		0		0	
<b>GRAND TOTALS:</b>													
NAVY - ACDU		276		0		0		0		0		0	
NAVY - TAR		53		0		0		0		0		0	
NAVY - SELRES		49		0		0		0		0		0	

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

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

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

**INSTRUCTOR BILLETS**

ACDU

AMS1	8226	9502	0	1	0	1	0	1	0	1	0	1	0	1
APOC	8226	9502	0	1	0	1	0	1	0	1	0	1	0	1
APO1	8226	9502	0	2	0	2	0	2	0	2	0	2	0	2
APO2	8226	9502	0	8	0	8	0	8	0	8	0	8	0	8
<b>TOTAL:</b>			0	12	0	12	0	12	0	12	0	12	0	12

TRAINING ACTIVITY, LOCATION, UIC: MTU-1031 NAMTRAU, NS NORFOLK, 66046

**INSTRUCTOR BILLETS**

ACDU

AD1	8391	9502	0	2	0	2	0	2	0	2	0	2	0	2
AE2	8391	9502	0	2	0	2	0	2	0	2	0	2	0	2
AMH2	8391	9502	0	1	0	1	0	1	0	1	0	1	0	1
AMSC	8391	9502	0	1	0	1	0	1	0	1	0	1	0	1
AMS1	8391	9502	0	1	0	1	0	1	0	1	0	1	0	1
AMS2	8391	9502	0	1	0	1	0	1	0	1	0	1	0	1
ATC	8391	9502	0	1	0	1	0	1	0	1	0	1	0	1
AT2	8391	9502	0	1	0	1	0	1	0	1	0	1	0	1
<b>TOTAL:</b>			0	10	0	10	0	10	0	10	0	10	0	10

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

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs		CFY01		FY02		FY03		FY04		FY05	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
AWSTS, NS Norfolk, 69022	NAVY		11.5	11.5		13.8		13.8		13.8		13.8	
NAMTRAU, MTU 1031, NS NORFOLK, 66046	NAVY		5.1	5.1		5.1		5.1		5.1		5.1	
<b>SUMMARY TOTALS:</b>			16.6	16.6		18.9		18.9		18.9		18.9	
<b>GRAND TOTALS:</b>			16.6	16.6		18.9		18.9		18.9		18.9	

Note: Training track D-102-2727 length will increase to 12.0 weeks FY01 as a result of CNO tasking in response to the H-53 Maintenance Training Requirements Review of July 1998. This tasking required MTU-1031, NAMTRAU to incorporate I-Level maintenance training within the track. This NTSP takes into consideration the planned increase to the track length for its calculations.

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01 +/- CUM	FY02 +/- CUM	FY03 +/- CUM	FY04 +/- CUM	FY05 +/- CUM
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a. OFFICER - USN

NA.

b. ENLISTED - USN

Operational Billets ACDU and TAR

AD1	8391		2	0	2	0	2	0	2	0	2	0	2
AD2	8391		2	0	2	0	2	0	2	0	2	0	2
AD3	8391		4	0	4	0	4	0	4	0	4	0	4
ADAN	8391		2	0	2	0	2	0	2	0	2	0	2
AE1	8391		4	0	4	0	4	0	4	0	4	0	4
AE2	8391		10	0	10	0	10	0	10	0	10	0	10
AE3	8391		4	0	4	0	4	0	4	0	4	0	4
AEAN	8391		4	0	4	0	4	0	4	0	4	0	4
AMH1	8391		6	0	6	0	6	0	6	0	6	0	6
AMH2	8391		4	0	4	0	4	0	4	0	4	0	4
AMH3	8391		12	0	12	0	12	0	12	0	12	0	12
AMHAN	8391		8	0	8	0	8	0	8	0	8	0	8
AMS1	8391		4	0	4	0	4	0	4	0	4	0	4
AMS2	8391		4	0	4	0	4	0	4	0	4	0	4
AMS3	8391		6	0	6	0	6	0	6	0	6	0	6
AMSAN	8391		6	0	6	0	6	0	6	0	6	0	6
APOCS	8226		4	0	4	0	4	0	4	0	4	0	4
APOC	8226		6	0	6	0	6	0	6	0	6	0	6
APO1	8226		24	0	24	0	24	0	24	0	24	0	24
APO2	8226		54	0	54	0	54	0	54	0	54	0	54
APO3	8226		52	0	52	0	52	0	52	0	52	0	52
APOAN	8226		42	0	42	0	42	0	42	0	42	0	42
AT1	8391		8	0	8	0	8	0	8	0	8	0	8
AT2	8391		10	0	10	0	10	0	10	0	10	0	10
AT2	8391	9526	4	0	4	0	4	0	4	0	4	0	4
AT3	8391		4	0	4	0	4	0	4	0	4	0	4

Fleet Support Billets ACDU and TAR

AD1	8226	8303	2	0	2	0	2	0	2	0	2	0	2
AD2	8226		2	0	2	0	2	0	2	0	2	0	2
AD2	8226	8303	1	0	1	0	1	0	1	0	1	0	1
AD3	8226		4	0	4	0	4	0	4	0	4	0	4
AEC	8226		1	0	1	0	1	0	1	0	1	0	1
AEC	8377	8391	1	0	1	0	1	0	1	0	1	0	1
AE1	8226		1	0	1	0	1	0	1	0	1	0	1
AE1	8226	8303	1	0	1	0	1	0	1	0	1	0	1
AE1	8391	9526	1	0	1	0	1	0	1	0	1	0	1
AE2	8226		1	0	1	0	1	0	1	0	1	0	1
AE2	8391		2	0	2	0	2	0	2	0	2	0	2
AE2	8391	9527	1	0	1	0	1	0	1	0	1	0	1

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01		FY02		FY03		FY04		FY05	
				+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
AE3	8226	8303	1	0	1	0	1	0	1	0	1	0	1
AMHC	8391	8379	1	0	1	0	1	0	1	0	1	0	1
AMH1	8226		1	0	1	0	1	0	1	0	1	0	1
AMH1	8226	8303	1	0	1	0	1	0	1	0	1	0	1
ADC	8226		1	0	1	0	1	0	1	0	1	0	1
AMH3	8226		1	0	1	0	1	0	1	0	1	0	1
AMSC	8226		1	0	1	0	1	0	1	0	1	0	1
AMS1	8226	8303	1	0	1	0	1	0	1	0	1	0	1
AMS2	8226	8303	1	0	1	0	1	0	1	0	1	0	1
AMS3	8226		1	0	1	0	1	0	1	0	1	0	1
APOC	8226		1	0	1	0	1	0	1	0	1	0	1
APO2	8226		1	0	1	0	1	0	1	0	1	0	1
ATC	8391		1	0	1	0	1	0	1	0	1	0	1
AT1	8391		1	0	1	0	1	0	1	0	1	0	1
AT1	8391	9527	1	0	1	0	1	0	1	0	1	0	1
AT2	8391		5	0	5	0	5	0	5	0	5	0	5
AT2	8391	9527	1	0	1	0	1	0	1	0	1	0	1
Staff Billets ACDU and TAR													
AD1	8391	9502	2	0	2	0	2	0	2	0	2	0	2
AE2	8391	9502	2	0	2	0	2	0	2	0	2	0	2
AMH2	8391	9502	1	0	1	0	1	0	1	0	1	0	1
AMSC	8391	9502	1	0	1	0	1	0	1	0	1	0	1
AMS1	8226	9502	1	0	1	0	1	0	1	0	1	0	1
AMS1	8391	9502	1	0	1	0	1	0	1	0	1	0	1
AMS2	8391	9502	1	0	1	0	1	0	1	0	1	0	1
APOC	8226	9502	1	0	1	0	1	0	1	0	1	0	1
APO1	8226	9502	2	0	2	0	2	0	2	0	2	0	2
APO2	8226	9502	8	0	8	0	8	0	8	0	8	0	8
ATC	8391	9502	1	0	1	0	1	0	1	0	1	0	1
AT2	8391	9502	1	0	1	0	1	0	1	0	1	0	1
Chargeable Student Billets ACDU and TAR													
			17	0	17	2	19	0	19	0	19	0	19
SELRES Billets													
ADAN	8391		2	0	2	0	2	0	2	0	2	0	2
AE3	8391		2	0	2	0	2	0	2	0	2	0	2
AEAN	8391		2	0	2	0	2	0	2	0	2	0	2
AMHAN	8391		4	0	4	0	4	0	4	0	4	0	4
AMS2	8391		2	0	2	0	2	0	2	0	2	0	2
AMSAN	8391		2	0	2	0	2	0	2	0	2	0	2
APOC	8226		2	0	2	0	2	0	2	0	2	0	2
APO1	8226		4	0	4	0	4	0	4	0	4	0	4
APO2	8226		6	0	6	0	6	0	6	0	6	0	6
APO3	8226		8	0	8	0	8	0	8	0	8	0	8
APOAN	8226		6	0	6	0	6	0	6	0	6	0	6
AT2	8391		1	0	1	0	1	0	1	0	1	0	1

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

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01		FY02		FY03		FY04		FY05	
				+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
AT3	8391		2	0	2	0	2	0	2	0	2	0	2
ATAN	8391		6	0	6	0	6	0	6	0	6	0	6

**TOTAL USN ENLISTED BILLETS:**

Operational			290	0	290	0	290	0	290	0	290	0	290
Fleet Support			39	0	39	0	39	0	39	0	39	0	39
Staff			22	0	22	0	22	0	22	0	22	0	22
Chargeable Student			17	0	17	2	19	0	19	0	19	0	19
SELRES			49	0	49	0	49	0	49	0	49	0	49

**c. OFFICER - USMC**

NA.

**d. ENLISTED - USMC**

NA.

**II.B. PERSONNEL REQUIREMENTS**

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

**CIN, COURSE TITLE:** D-050-2793, MH-53E Airborne Mine Countermeasures Fleet Replacement Aircrewman  
**COURSE LENGTH:** 8.0 Weeks **TOUR LENGTH:** 36 Months  
**ATTRITION FACTOR:** Navy: 10% **BACKOUT FACTOR:** 0.16

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY01		FY02		FY03		FY04		FY05	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
AWSTS, NS Norfolk	NAVY	ACDU		72		72		72		72		72
		TAR		11		11		11		11		11
		SELRES		3		3		3		3		3
		TOTAL:		86		86		86		86		86

**CIN, COURSE TITLE:** D-102-2727, AMCM Electronic Systems Organizational/Intermediate Level Maintenance  
**COURSE LENGTH:** 9.0 Weeks **TOUR LENGTH:** 36 Months  
**ATTRITION FACTOR:** Navy: 10% **BACKOUT FACTOR:** 0.18

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY01		FY02		FY03		FY04		FY05	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU-1031 NAMTRAU, NS NORFOLK	NAVY	ACDU		18		18		18		18		18
		TAR		6		6		6		6		6
		SELRES		1		1		1		1		1
		TOTAL:		25		25		25		25		25

Note: Training track D-102-2727 length will increase to 12.0 weeks FY01 as a result of CNO tasking in response to the H-53 Maintenance Training Requirements Review of July 1998. This tasking required MTU-1031 NAMTRAU to incorporate I-Level maintenance training within the track. This NTSP takes into consideration the planned increase to the track length for its calculations. AMNS training commences FY02.

**CIN, COURSE TITLE:** C-050-XXX1, Airborne Mine Neutralization System Operator  
**COURSE LENGTH:** 1.0 Week **TOUR LENGTH:** 36 Months  
**ATTRITION FACTOR:** Navy: 10% **BACKOUT FACTOR:** 0.00

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY01		FY02		FY03		FY04		FY05	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
AWSTS, NS Norfolk	NAVY	ACDU		0		72		72		72		72
		TAR		0		11		11		11		11
		SELRES		0		3		3		3		3
		TOTAL:		0		86		86		86		86

**CIN, COURSE TITLE:** C-102-XXX1, Airborne Mine Neutralization System Organizational Level Maintenance  
**COURSE LENGTH:** 1.0 Week **TOUR LENGTH:** 36 Months  
**ATTRITION FACTOR:** Navy: 10% **BACKOUT FACTOR:** 0.00

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY01		FY02		FY03		FY04		FY05	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU-1031 NAMTRAU, NS NORFOLK	NAVY	ACDU		0		18		18		18		18
		TAR		0		6		6		6		6
		SELRES		0		1		1		1		1

TOTAL:	0	25	25	25	25
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## **PART III - TRAINING REQUIREMENTS**

The following elements are not affected by the AMNS, therefore, are not included in Part III of this NTSP:

III.A.2. Follow-on Training

III.A.2.c. Unique Courses

III.A.3. Existing Training Phased Out

**PART III - TRAINING REQUIREMENTS**

**III.A.1. INITIAL TRAINING REQUIREMENTS**

**COURSE TITLE:** AMNS Operation and Tactics Initial Training (Pilot Course)  
**COURSE DEVELOPER:** Lockheed Martin  
**COURSE INSTRUCTOR:** COASTSYSTA Pilots  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** HM-14

LOCATION, UIC	DATE	STUDENTS			CIV
	BEGIN	OFF	ENL		
HM-14, 53827	Feb 02	10			Input
		0.1			AOB
					Chargeable

**ACTIVITY DESTINATIONS:** HM-15

LOCATION, UIC	DATE	STUDENTS			CIV
	BEGIN	OFF	ENL		
HM-15, 55201	Feb 03	10			Input
		0.1			AOB
					Chargeable

**COURSE TITLE:** AMNS Operator Initial Training  
**COURSE DEVELOPER:** Lockheed Martin  
**COURSE INSTRUCTOR:** COASTSYSTA Aircrewmembers  
**COURSE LENGTH:** 10 Days  
**ACTIVITY DESTINATIONS:** HM-14

LOCATION, UIC	DATE	STUDENTS			CIV
	BEGIN	OFF	ENL		
HM-14, 53827	Feb 02		10		Input
			0.3		AOB
					Chargeable

**ACTIVITY DESTINATIONS:** HM-15

LOCATION, UIC	DATE	STUDENTS			CIV
	BEGIN	OFF	ENL		
HM-15, 55201	Feb 03		10		Input
			0.3		AOB
					Chargeable

**III.A.1. INITIAL TRAINING REQUIREMENTS**

**COURSE TITLE:** AMNS Organizational Level Maintenance Initial Training  
**COURSE DEVELOPER:** Lockheed Martin  
**COURSE INSTRUCTOR:** COASTSYSTA  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** HM-14  
 NAMTRAU, MTU 1031

LOCATION, UIC	DATE		STUDENTS		CIV
	BEGIN	OFF	ENL		
HM-14, 53827	Feb 02		10		Input
			0.1		AOB
					Chargeable

**ACTIVITY DESTINATIONS:** HM-15

LOCATION, UIC	DATE		STUDENTS		CIV
	BEGIN	OFF	ENL		
HM-15, 55201	Feb 03		10		Input
			0.1		AOB
					Chargeable

**COURSE TITLE:** AMNS Organizational Level Maintenance Initial Training Mechanical  
**COURSE DEVELOPER:** Lockheed Martin  
**COURSE INSTRUCTOR:** COASTSYSTA Technicians  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** HM-14  
 NAMTRAU, MTU 1031

LOCATION, UIC	DATE		STUDENTS		CIV
	BEGIN	OFF	ENL		
HM-14, 53827	Feb 02		10		Input
			0.1		AOB
					Chargeable

**ACTIVITY DESTINATIONS:** HM-15

LOCATION, UIC	DATE		STUDENTS		CIV
	BEGIN	OFF	ENL		
HM-15, 55201	Feb 03		10		Input
			0.1		AOB
					Chargeable

**III.A.1. INITIAL TRAINING REQUIREMENTS**

**COURSE TITLE:** AMNS Organizational Maintenance and Aircraft Configuration Initial Training  
**COURSE DEVELOPER:** Lockheed Martin  
**COURSE INSTRUCTOR:** COASTSYSTA Technicians  
**COURSE LENGTH:** 5 Days  
**ACTIVITY DESTINATIONS:** HM-14  
 NAMTRAU, MTU 1031

LOCATION, UIC	DATE		STUDENTS		CIV
	BEGIN	OFF	ENL		
HM-14, 53827	Feb 02		10		Input
			0.1		AOB
					Chargeable

**ACTIVITY DESTINATIONS:** HM-15

LOCATION, UIC	DATE		STUDENTS		CIV
	BEGIN	OFF	ENL		
HM-15, 55201	Feb 03		10		Input
			0.1		AOB
					Chargeable

**COURSE TITLE:** AMNS Expendable Neutralizer Inspection, Safety, and Handling  
**COURSE DEVELOPER:** TBD  
**COURSE INSTRUCTOR:** TBD  
**COURSE LENGTH:** 2 Days  
**ACTIVITY DESTINATIONS:** Station Weapons NS Norfolk  
 MCS 12 USS INCHON  
 MTU 4032

LOCATION, UIC	DATE		STUDENTS		CIV
	BEGIN	OFF	ENL		
NS Norfolk, XXXXX	Feb 02		10		Input
			0.1		AOB
					Chargeable

**ACTIVITY DESTINATIONS:** Station Weapons NAS Corpus Christi

LOCATION, UIC	DATE		STUDENTS		CIV
	BEGIN	OFF	ENL		
NAS Corpus Christi, XXXXX	Feb 03		10		Input
			0.1		AOB
					Chargeable

**III.A.1. INITIAL TRAINING REQUIREMENTS**

**COURSE TITLE:** AMNS Tactics Initial Training  
**COURSE DEVELOPER:** TBD  
**COURSE INSTRUCTOR:** COASTSYSTA Tactics Personnel  
**COURSE LENGTH:** 2 Days  
**ACTIVITY DESTINATIONS:** HM-14  
 MWTC

LOCATION, UIC	DATE	STUDENTS		CIV	
	BEGIN	OFF	ENL		
TBD	Feb 02	8	10		Input
		0.1	0.1		AOB
					Chargeable

**ACTIVITY DESTINATIONS:** HM-15

LOCATION, UIC	DATE	STUDENTS		CIV	
	BEGIN	OFF	ENL		
HM-15, 55201	Feb 03	4	5		Input
		0.0	0.0		AOB
					Chargeable

**COURSE TITLE:** AMNS Pre-OPEVAL Training Course  
**COURSE DEVELOPER:** Lockheed Martin  
**COURSE INSTRUCTOR:** COASTSYSTA, Pilots and Aircrew  
**COURSE LENGTH:** 19 Days  
**ACTIVITY DESTINATIONS:** HM-14  
 HM-15  
 AWSTS

LOCATION, UIC	DATE	STUDENTS		CIV	
	BEGIN	OFF	ENL		
COASTSYSTA, 61331	Sep 01	20	24	6	Input
		1.0	1.2		AOB
					Chargeable

**COURSE TITLE:** AMNS Pre-TECHEVAL Training Course  
**COURSE DEVELOPER:** Lockheed Martin  
**COURSE INSTRUCTOR:** CETS  
**COURSE LENGTH:** 19 Days  
**ACTIVITY DESTINATIONS:** COASTSYSTA  
 AWSTS

LOCATION, UIC	DATE	STUDENTS		CIV	
	BEGIN	OFF	ENL		
COASTSYSTA, 61331	May 00	6	30	8	Input
		0.3	1.6		AOB
					Chargeable

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

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

**CIN, COURSE TITLE:** D-050-2793, MH-53E AMCM Fleet Replacement Aircrewman Category 1 Pipeline  
**TRAINING ACTIVITY:** AWSTS  
**LOCATION, UIC:** NS Norfolk, 69022

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

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	82		82		82		82		82	ATIR
	74		74		74		74		74	Output
	11.5		13.6		13.6		13.6		13.6	AOB
	11.5		13.6		13.6		13.6		13.6	Chargeable

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

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	3		3		3		3		3	ATIR
	3		3		3		3		3	Output
	0.4		0.5		0.5		0.5		0.5	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

**CIN, COURSE TITLE:** D-102-2727, AMCM Electronic/Electrical Systems Organizational/Intermediate Level Maintenance  
**TRAINING ACTIVITY:** NAMTRAU, MTU 1031  
**LOCATION, UIC:** NS Norfolk, 66046

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

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	24		24		24		24		24	ATIR
	22		22		22		22		22	Output
	5.1		5.5		5.5		5.5		5.5	AOB
	5.1		5.5		5.5		5.5		5.5	Chargeable

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

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	1		1		1		1		1	ATIR
	1		1		1		1		1	Output
	0.2		0.3		0.3		0.3		0.3	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

Note: The training tracks above indicate AMNS training impact commencing FY02.

**III.A.2.b. PLANNED COURSES**

**CIN, COURSE TITLE:** D-050-XXX1, Airborne Mine Neutralization System Operator  
**TRAINING ACTIVITY:** AWSTS  
**LOCATION, UIC:** NS Norfolk, 69022

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

CFY01		FY02		FY03		FY03		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0			82		82		82		82	ATIR
0			74		74		74		74	Output
0.0			1.0		1.0		1.0		1.0	AOB
0.0			1.0		1.0		1.0		1.0	Chargeable

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

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0			3		3		3		3	ATIR
0			3		3		3		3	Output
0.0			0.0		0.0		0.0		0.0	AOB
0.0			0.0		0.0		0.0		0.0	Chargeable

**CIN, COURSE TITLE:** C-102-XXX2, Airborne Mine Neutralization System Organizational Level Maintenance  
**TRAINING ACTIVITY:** NAMTRAU, MTU 1031  
**LOCATION, UIC:** NS Norfolk, 66046

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

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0			24		24		24		24	ATIR
0			22		22		22		22	Output
0.0			0.3		0.3		0.3		0.3	AOB
0.0			0.3		0.3		0.3		0.3	Chargeable

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

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

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

The following elements are not affected by the AMNS and, therefore, are not included in Part IV of this NTSP:

IV.C. Facility Requirements

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

IV.C.3. Facility Project Summary by Program

**PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS**

**IV.A. TRAINING HARDWARE**

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

**CIN, COURSE TITLE:** D-2C-2762, MH-53E Pilot AMCM Familiarization and OFT, (Tracks D-2C-2780, D-2C-2781)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

<b>ITEM NUMBER</b>	<b>EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS</b>	<b>QTY REQUIRED</b>	<b>DATE REQUIRED</b>	<b>GFE CFE</b>	<b>STATUS</b>
TTE TBD		TBD	FY 02	GFE	Pending

**CIN, COURSE TITLE:** D-2C-2763, MH-53E AMCM Pilot Familiarization/OFT Refresher, (Tracks D-2C-2784, D-2C-2787)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

<b>ITEM NUMBER</b>	<b>EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS</b>	<b>QTY REQUIRED</b>	<b>DATE REQUIRED</b>	<b>GFE CFE</b>	<b>STATUS</b>
TTE TBD		TBD	FY 02	GFE	Pending

**CIN, COURSE TITLE:** D-050-2709, MH-53E AMCM Fleet Replacement Aircrew Category 1, (Track D-050-2793)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

<b>ITEM NUMBER</b>	<b>EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS</b>	<b>QTY REQUIRED</b>	<b>DATE REQUIRED</b>	<b>GFE CFE</b>	<b>STATUS</b>
TTE TBD		TBD	FY 02	GFE	Pending

**CIN, COURSE TITLE:** D-050-2732, MH-53E AMCM Fleet Replacement Aircrewman Category 3, (Track D-050-2796)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

<b>ITEM NUMBER</b>	<b>EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS</b>	<b>QTY REQUIRED</b>	<b>DATE REQUIRED</b>	<b>GFE CFE</b>	<b>STATUS</b>
TTE TBD		TBD	FY 02	GFE	Pending

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

**CIN, COURSE TITLE:** D-050-2799, MH-53E AMCM Aircrewman Instructor Under Training  
**TRAINING ACTIVITY:** AWSTS  
**LOCATION, UIC:** NS Norfolk, 69022

ITEM NUMBER	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	GFE CFE	STATUS
TTE TBD		TBD	FY 02	GFE	Pending

**CIN, COURSE TITLE:** D-050-XXX1, Airborne Mine Neutralization System Operator, (Tracks D-050-2793, D-050-2796)  
**TRAINING ACTIVITY:** AWSTS  
**LOCATION, UIC:** NS Norfolk, 69022

ITEM NUMBER	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	GFE CFE	STATUS
TTE TBD		TBD	FY 02	GFE	Pending

**CIN, COURSE TITLE:** C-647-9456, MH-53E AMCM Organizational Maintenance, (Tracks D-102-2727, D-601-2717, D-601-2721, D-602-2760)  
**TRAINING ACTIVITY:** NAMTRAU, MTU 1031  
**LOCATION, UIC:** NS Norfolk, 66046

ITEM NUMBER	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	GFE CFE	STATUS
TTE TBD		TBD	FY 02	GFE	Pending

**CIN, COURSE TITLE:** C-102-XXX2, Airborne Mine Neutralization System Organizational Maintenance, (Tracks D-102-2727, D-602-2760)  
**TRAINING ACTIVITY:** NAMTRAU, MTU 1031  
**LOCATION, UIC:** NS Norfolk, 66046

ITEM NUMBER	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQUIRED	DATE REQUIRED	GFE CFE	STATUS
TTE TBD		TBD	FY 02	GFE	Pending

Detailed equipment information for this element is currently under review by the DA, TSA, and the TAs. Identification of the equipment requirements for this element will be included in the next update of this NTSP.

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

**DEVICE:** Training Neutralizer (I-version)  
**DESCRIPTION:** The Neutralizer is a self-propelled, remotely controlled vehicle that incorporates sensors needed to relocate and identify a mine target. Additionally, the Neutralizer transmits (real time) information to a console in the aircraft, via fiber optic cable, providing video and sonar information to the operator. The device is similar to the Expendable Neutralizer although it is reusable and does not contain an explosive charge. This device will be used to train operators in deployment procedures and utilization of the Neutralizer to detect and neutralize moored and bottom mines. Additionally the device will support training for maintenance personnel in the handling and maintaining of a Neutralizer without having to actually handle an Expendable Neutralizer.

**MANUFACTURER:** STN ATLAS  
**CONTRACT NUMBER:** N00024-99-9-6311  
**TEE STATUS:** TBD

**TRAINING ACTIVITY:** NAVSURFWARCEN COASTSYSTA, AWSTS, and MTU 1031  
**LOCATION, UIC:** Panama City, FL, 61331, NS Norfolk, VA, 69022, NS Norfolk, VA, 66046

QTY	DATE	RFT		COURSES
REQD	REQD	DATE	STATUS	SUPPORTED
20	Jan 01	Jan 01	Onboard	TECHEVAL
10	Sep 01	Sep 01	Pending	OPEVAL
02	FY 02	Jun 02	Pending	D-2C-2762
				D-2C-2763
				D-050-2709
				D-050-2732
				D-050-2799
				D-050-XXX1
				C-647-9456
				C-102-XXX1

Note: Requirements for a training Neutralizer to support C-646-4108, Air Launched Weapons Ordnance Supervisor course are currently under review by NAMTRAGRU HQ, Air Launch Weapons Branch.

## IV.B. COURSEWARE REQUIREMENTS

### IV.B.1 TRAINING SERVICES

COURSE/TYPE OF TRAINING	SCHOOL LOCATION, UIC	NO. OF PERSONNEL	MAN WEEKS REQUIRED	DATE BEGIN
AMNS Pre-TECHEVAL Training Course	NSWCCSS Panama City 61331	2	4	May 00
AMNS Pre-OPEVAL Training Course	NSWCCSS Panama City 61331	2	4	Sep 01
AMNS Operation and Tactics Initial Training Course (Pilot)	HM-14 NS Norfolk 53827	1	1	Feb 02
AMNS Operation and Tactics Initial Training Course (Pilot)	HM-15 NAS Corpus Christi 55201	1	1	Feb 03
AMNS Operator Initial Training	HM-14 NS Norfolk 53827	2	3.2	Feb 02
AMNS Operator Initial Training	HM-15 NAS Corpus Christi 55201	2	3.2	Feb 03
AMNS Tactics Initial Training	HM-14 NS Norfolk 53827	2	0.8	Feb 02
AMNS Tactics Initial Training	HM-15 NAS Corpus Christi 55201	2	0.8	Feb 03
AMNS Organizational Level Maintenance Initial Training	HM-14 NS Norfolk 53827	2	2	Feb 02
AMNS Organizational Level Maintenance Initial Training	HM-15 NAS Corpus Christi 55201	2	2	Feb 03
AMNS Organizational Level Maintenance Initial Training Mechanical	HM-14 NS Norfolk 53827	2	2	Feb 02
AMNS Organizational Level Maintenance Initial Training Mechanical	HM-15 NAS Corpus Christi 55201	2	2	Feb 03

## IV.B. COURSEWARE REQUIREMENTS

### IV.B.1 TRAINING SERVICES

AMNS Organizational Level Maintenance and Aircraft Configuration Initial Training	HM-14 NS Norfolk 53827	2	2	Feb 02
AMNS Organizational Level Maintenance and Aircraft Configuration Initial Training	HM-15 NAS Corpus Christi 55201	2	2	Feb 03
AMNS Expendable Neutralizer Inspection, Safety, Handling, and Storage	Station Weapons NS Norfolk XXXXX	TBD	TBD	Feb 02
AMNS Expendable Neutralizer Inspection, Safety, Handling, and Storage	Station Weapons NAS Corpus Christi XXXXX	TBD	TBD	Feb 03

**IV.B. COURSEWARE REQUIREMENTS**

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

**CIN, COURSE TITLE:** D-2C-2762, MH-53E Pilot AMCM Familiarization and OFT, (Tracks D-2C-2780, D-2C-2781)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
TBD	TBD	Jun 02	Pending

**CIN, COURSE TITLE:** D-2C-2763, MH-53E AMCM Pilot Familiarization/OFT Refresher, (Tracks D-2C-2784, D-2C-2787)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
TBD	TBD	Jun 02	Pending

**CIN, COURSE TITLE:** D-050-2709, MH-53E AMCM Fleet Replacement Aircrew Category 1, (Tracks D-050-2793)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
TBD	TBD	Jun 02	Pending

**CIN, COURSE TITLE:** D-050-2732, MH-53E AMCM Fleet Replacement Aircrewman Category 3, (Track D-050-2796)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
TBD	TBD	Jun 02	Pending

**CIN, COURSE TITLE:** D-050-2799, MH-53E AMCM Aircrewman Instructor Under Training

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
TBD	TBD	Jun 02	Pending

**CIN, COURSE TITLE:** D-050-XXX1, Airborne Mine Neutralization System Operator, (Tracks D-050-2793, D-050-2796)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk, 69022

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
TBD	TBD	Jun 02	Pending

**IV.B. COURSEWARE REQUIREMENTS**

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

**CIN, COURSE TITLE:** C-647-9456, MH-53E AMCM Organizational Maintenance, (Tracks D-102-2727, D-601-2717, D-601-2721, D-602-2760)

**TRAINING ACTIVITY:** NAMTRAU, MTU 1031

**LOCATION, UIC:** NS Norfolk, 66046

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
TBD	TBD	Jun 02	Pending

**CIN, COURSE TITLE:** C-102-XXX2, Airborne Mine Neutralization System Organizational Maintenance, (Tracks D-102-2727, D-602-2760)

**TRAINING ACTIVITY:** NAMTRAU, MTU 1031

**LOCATION, UIC:** NS Norfolk, 66046

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Guide	TBD	Jun 02	Pending
Student Guide,	TBD	Jun 02	Pending
Student Tests	TBD	Jun 02	Pending
Transparencies	TBD	Jun 02	Pending

**CIN, COURSE TITLE:** C-646-4108, Air Launched Weapons Ordnance Supervisor, (Track D/E-646-7007)

**TRAINING ACTIVITY:** NAMTRAU: MTU 4032, MTU 4030, MTU 4035, MTU 4033

**LOCATION, UIC:** NS Norfolk, 66046, NS Mayport, 39470, NAS Whidbey Island, 39474, NAS North Island, 39476

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
TBD	TBD	Jun 02	Pending

**CIN, COURSE TITLE:** A-121-007, MCM MEDAL Supervisor

**TRAINING ACTIVITY:** Mine Warfare Training Center

**LOCATION, UIC:** NS Ingelside, 30445

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
TBD	TBD	Jun 02	Pending

**CIN, COURSE TITLE:** A-2G-2758 Mine Warfare Core

**TRAINING ACTIVITY:** Mine Warfare Training Center

**LOCATION, UIC:** NS Ingelside, 30445

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
TBD	TBD	Jun 02	Pending

Specific course curricula material requirements for the MWTC, NAMTRAU's, and AWSTS are currently under review by the DA, TSA, and TA. This information will be identified in the next update of this NTSP.

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

**CIN, COURSE TITLE:** D-2C-2762, MH-53E Pilot AMCM Familiarization and OFT, (Tracks D-2C-2780, D-2C-2781)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk , 69022

<b>TECHNICAL MANUAL NUMBER / TITLE</b>	<b>MEDIUM</b>	<b>QTY REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
A1-H53ME-NFM-000 NATOPS Flight Manual, MH-53E Helicopters	Hard copy	12	Jun 02	* Pending
A1-H53ME-NFM-100 NATOPS Flight Manual, MH-53E Helicopters	Hard copy	12	Jun 02	* Pending
A1-H53ME-NFM-500 NATOPS Pilots Pocket Checklist, MH-53E Helicopters	Hard copy	12	Jun 02	* Pending

**CIN, COURSE TITLE:** D-2C-2763, MH-53E AMCM Pilot Familiarization/OFT Refresher, (Tracks D-2C-2784, D-2C-2787)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk , 69022

<b>TECHNICAL MANUAL NUMBER / TITLE</b>	<b>MEDIUM</b>	<b>QTY REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
A1-H53ME-NFM-000 NATOPS Flight Manual, MH-53E Helicopters	Hard copy	12	Jun 02	* Pending
A1-H53ME-NFM-100 NATOPS Flight Manual, MH-53E Helicopters	Hard copy	12	Jun 02	* Pending
A1-H53ME-NFM-500 NATOPS Pilots Pocket Checklist, MH-53E Helicopters	Hard copy	12	Jun 02	* Pending

**CIN, COURSE TITLE:** D-050-2709, MH-53E AMCM Fleet Replacement Aircrew Category 1, (Track D-050-2793)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk , 69022

<b>TECHNICAL MANUAL NUMBER / TITLE</b>	<b>MEDIUM</b>	<b>QTY REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
A1-H53ME-NFM-000 NATOPS Flight Manual, MH-53E Helicopters	Hard copy	12	Jun 02	* Pending
A1-H53ME-NFM-100 NATOPS Flight Manual, MH-53E Helicopters	Hard copy	12	Jun 02	* Pending
A1-H53ME-NFM-900 MH-53E NATOPS Aircrew Pocket Checklist	Hard copy	12	Jun 02	* Pending

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

**CIN, COURSE TITLE:** D-050-2732, MH-53E AMCM Fleet Replacement Aircrewman Category 3, (Track D-050-2796)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk , 69022

<b>TECHNICAL MANUAL NUMBER / TITLE</b>	<b>MEDIUM</b>	<b>QTY REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
A1-H53ME-NFM-000 NATOPS Flight Manual, MH-53E Helicopters	Hard copy	12	Jun 02	* Pending
A1-H53ME-NFM-100 NATOPS Flight Manual, MH-53E Helicopters	Hard copy	12	Jun 02	* Pending
A1-H53ME-NFM-900 MH-53E NATOPS Aircrew Pocket Checklist	Hard copy	12	Jun 02	* Pending

**CIN, COURSE TITLE:** D-050-2799, MH-53E AMCM Aircrewman Instructor Under Training

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk , 69022

<b>TECHNICAL MANUAL NUMBER / TITLE</b>	<b>MEDIUM</b>	<b>QTY REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
A1-H53ME-NFM-000 NATOPS Flight Manual, MH-53E Helicopters	Hard copy	12	Jun 02	* Pending
A1-H53ME-NFM-100 NATOPS Flight Manual, MH-53E Helicopters	Hard copy	12	Jun 02	* Pending
A1-H53ME-NFM-900 MH-53E NATOPS Aircrew Pocket Checklist	Hard copy	12	Jun 02	* Pending

**CIN, COURSE TITLE:** D-050-XXX1, Airborne Mine Neutralization System Operator, (Tracks D-050-2793, D-050-2796)

**TRAINING ACTIVITY:** AWSTS

**LOCATION, UIC:** NS Norfolk , 69022

<b>TECHNICAL MANUAL NUMBER / TITLE</b>	<b>MEDIUM</b>	<b>QTY REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
A1-H53ME-NFM-000 NATOPS Flight Manual, MH-53E Helicopters	Hard copy	12	Jun 02	* Pending
A1-H53ME-NFM-100 NATOPS Flight Manual, MH-53E Helicopters	Hard copy	12	Jun 02	* Pending
A1-H53ME-NFM-900 MH-53E NATOPS Aircrew Pocket Checklist	Hard copy	12	Jun 02	* Pending

\* Changes to the flight manuals identified above will be submitted to the Model Manager for final approval and incorporation upon completion of their evaluation/validation performed at OPEVAL. NAVSURFWARCEN COASTSYSTA will provide the Model Manager with the most current procedures for review prior to TECHEVAL and OPEVAL.

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

**CIN, COURSE TITLE:** C-647-9456, MH-53E AMCM Organizational Maintenance, (Tracks D-102-2727, D-601-2717, D-601-2721, D-602-2760)

**TRAINING ACTIVITY:** NAMTRAU, MTU 1031

**LOCATION, UIC:** NS Norfolk , 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR XX-X-XXX AMNS, Organizational Maintenance, Illustrated Parts Breakdown, and Operating Procedures	Hard copy	TBD	Jun 02	* Pending

**CIN, COURSE TITLE:** C-102-XXX2, Airborne Mine Neutralization System Organizational Maintenance, (Tracks D-102-2727, D-602-2760)

**TRAINING ACTIVITY:** NAMTRAU, MTU 1031

**LOCATION, UIC:** NS Norfolk , 66046

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR XX-X-XXX AMNS, Organizational Maintenance, Illustrated Parts Breakdown, and Operating Procedures	Hard copy	TBD	Jun 02	* Pending

**CIN, COURSE TITLE:** C-646-4108, Air Launched Weapons Ordnance Supervisor, (Track D/E-646-7007)

**TRAINING ACTIVITY:** NAMTRAU: MTU 4032, MTU 4030, MTU 4035, MTU 4033

**LOCATION, UIC:** NS Norfolk, 66046, NS Mayport, 39470, NAS Whidbey Island, 39474, NAS North Island, 39476

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
TBD	TBD	TBD	Jun 02	* Pending

**CIN, COURSE TITLE:** A-121-007, MCM MEDAL Supervisor, A-2G-2758 Mine Warfare Core

**TRAINING ACTIVITY:** Mine Warfare Training Center

**LOCATION, UIC:** NS Ingelside, 30445

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
TBD	TBD	TBD	Jun 02	* Pending

**CIN, COURSE TITLE:** A-2G-2758 Mine Warfare Core

**TRAINING ACTIVITY:** Mine Warfare Training Center

**LOCATION, UIC:** NS Ingelside, 30445

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
TBD	TBD	TBD	Jun 02	* Pending

\* The contractor, to support TECHEVAL and OPEVAL has delivered to NAVSURFWARCEN COASTSYSTA a Draft COTS/NDI TM supporting O-Level maintenance, Illustrated Parts Breakdown, and Operating Procedures. Currently it is anticipated that hard copy technical manuals will be delivered to training and fleet activities to support system deliveries and training requirements.

#### **IV.C. FACILITY REQUIREMENTS**

##### **IV.C.1. FACILITY REQUIREMENTS SUMMARY (SPACE/SUPPORT) BY ACTIVITY**

Based on a preliminary analysis of projected training activities currently supporting AMCM systems operator and maintenance training, it is anticipated that no additional facilities will be required. Currently, a meeting plan is under development with AMNS program logistics personnel, AWSTS and NAMTRAU representatives to discuss and identify TD, TTE, and facility requirements. A detailed facility analysis if required will be performed during LRIP. Findings will be added to future updates of this NTSP.

**PART V - MPT MILESTONES**

<b>COG CODE</b>	<b>MPT MILESTONES</b>	<b>DATE</b>	<b>STATUS</b>
DA	Conducted analysis of manpower personnel, and training requirements	01/99	Complete
TSA	Conducted Initial Training for TECHEVAL	05/00	Completed
TSA	Conduct refresher Initial Training for TECHEVAL	01/01	Completed
DA	Distribute Preliminary Draft NTSP	01/01	Complete
DA	Begin TECHEVAL	01/01	Pending
OPO	Chair NTSPC and issue minutes and action items that result	07/01	Pending
TSA	Begin Initial Training for OPEVAL	09/01	Pending
OPO	Approve and issue NTSP	09/01	Pending
OPTEVFOR	Begin OPEVAL	10/01	Pending
TSA	Commence Initial Training	02/02	Pending
TSA	Deliver Curricula Materials/Technical Manuals	02/02	Pending
TSA	Deliver TTE AWSTS	03/02	Pending
TSA	Deliver TTE NAMTRAU	03/02	Pending
DA	AMNS Fleet Introduction HM-14	04/02	Pending
TSA	Install TTE	05/02	Pending
TA	Commence Follow-on Training (Operator, Maintenance, and Tactics)	06/02	Pending
TSA	Commence Initial Training HM-15	02/03	Pending
DA	AMNS Delivery HM-15	04/03	Pending

PART VI - DECISION ITEMS/ACTION REQUIRED

DECISION ITEM OR ACTION REQUIRED	COMMAND ACTION	DUE DATE	STATUS
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No Decision Items or Actions Pending

## PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
<b>CAPT Owen Fletcher</b> Head, Plans, Policy, and Fleet Maintenance Support CNO, N781B fletcher.owen@hq.navy.mil	<b>COMM:</b> (703) 604-7747 <b>DSN:</b> 664-7747 <b>FAX:</b> (703) 604-6972
<b>CAPT Dan Bell</b> Helicopter Coordinator, Naval Air Reserve CNO, N78R2 bell.d@hq.navy.mil	<b>COMM:</b> (703) 604-7728 <b>DSN:</b> 664-7726 <b>FAX:</b> (703) 604-6969
<b>CAPT Terry Merritt</b> Head, Aviation Technical Training Section CNO, N789H Merritt.terry@hq.navy.mil	<b>COMM:</b> (703) 604-7730 <b>DSN:</b> 664-7730 <b>FAX:</b> (703) 604-6969
<b>LCDR Scott Stroble</b> Training Requirements Officer CNO, N789F3 stroble.scott@hq.navy.mil	<b>COMM:</b> (703) 604-7721 <b>DSN:</b> 664-7721 <b>FAX:</b> (703) 604-6939
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## PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
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<b>Mr. William Laray</b> Assistant Program Manager (Training Systems) NAVAIRSYSCOM, PMA205-2B laraywr@navair.navy.mil	<b>COMM:</b> (301) 757-8099 <b>DSN:</b> 757-8099 <b>FAX:</b> (301) 757-8079
<b>CDR Robin Mason</b> Aviation NTSP Point of Contact CINCLANTFLT, N-721 masonrf@clf.navy.mil	<b>COMM:</b> (757) 836-0101 <b>DSN:</b> 836-0101 <b>FAX:</b> (757) 836-0141
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<b>LT Darren Skinner</b> AMCM Officer COMHELTACWINGLANT skinnerd@chtlw.spear.navy.mil	<b>COMM:</b> (757) 444-1842 ext. 355 <b>DSN:</b> 564-1842 <b>FAX:</b> (757) 444-4460

## PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
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<b>CDR Timothy Ferree</b> Branch Head, Aviation Enlisted Assignments NAVPERSCOM, PERS 404 p404@persnet.navy.mil	<b>COMM:</b> (901) 874-3691 <b>DSN:</b> 882-3691 <b>FAX:</b> (901) 874-2624
<b>CDR Scott Gingery</b> Aviation Department Head NAVMAC, Code 30 scott.gingery@navmac.navy.mil	<b>COMM:</b> (901) 874-6218 <b>DSN:</b> 882-6218 <b>FAX:</b> (901) 874-6471
<b>AZCS (AW) Randall Lees</b> Aviation Standards Review/Development Division NAVMAC, Code 32 Randall.lees@navmac.navy.mil	<b>COMM:</b> (901) 874-6434 <b>DSN:</b> 882-6434 <b>FAX:</b> (901) 874-6471
<b>Mr. Steve Berk</b> CNET NTSP Distribution CNET ETS-23 stephen.berk@smtp.cnet.navy.mil	<b>COMM:</b> (850) 452-8919 <b>DSN:</b> 922-8919 <b>FAX:</b> (850) 452-4853
<b>CDR Erich Blunt</b> Aviation Technical Training CNET, ETE-32 cdr-erich.blunt@smtp.cnet.navy.mil	<b>COMM:</b> (850) 452-4915 <b>DSN:</b> 922-4915 <b>FAX:</b> (850) 452-4901
<b>LCDR Monte Yarger</b> Operational Test Coordinator COMOPTEVFOR YargerM@cotf.navy.mil	<b>COMM:</b> (757) 444-5546 ext 3901 <b>DSN:</b> 564-5546 <b>FAX:</b> (757) 444-3820
<b>LT Dick Davis</b> Operational Test Director COMOPTEVFOR davisrj@navair.navy.mil	<b>COMM:</b> (301) 757-1398 <b>DSN:</b> 757-1398 <b>FAX:</b> (301) 757-1326
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