

NAVY TRAINING SYSTEM PLAN
FOR THE
INSTRUMENT REPAIR PROGRAM

N78-NTSP-A-50-8510/A

APRIL 2002

INSTRUMENT REPAIR PROGRAM

EXECUTIVE SUMMARY

In 1978, the Chief of Naval Operations directive to the Naval Material Command directed the Naval Air Systems Command to establish an aircraft Instrument Repair Program. The Instrument Repair Program was established to reduce costs associated with depot level maintenance repairs and large inventories of instrument repair spare parts. The Instrument Repair Program is in the Operations and Support phase of the Defense Acquisition System.

The Instrument Repair Program has been fully implemented concerning manpower and training, and all selected Aircraft Intermediate Maintenance Departments and Marine Aviation Logistics Squadrons, both afloat and ashore, maintain instrument repair capability.

Navy Aviation Electrician's Mate and Aviation Electronics Technician personnel with Navy Enlisted Classification 7137 (Aircraft Instrument IMA Technician) perform instrument repair. Marine Corps Aviation Electronic Micro-Miniature/Instrument and Cable Repair Technician, Intermediate Maintenance Activity, personnel with Military Occupational Specialty 6423 perform instrument repair for the Marine Corps.

Maintenance Training Unit (MTU) 1011 at Naval Air Maintenance Training Unit, Naval Air Station Jacksonville, Florida, and Naval Air Maintenance Training Marine Unit (NAMTRA MARUNIT), Marine Corps Air Station Miramar, California, conduct instrument repair follow-on training.

The Instrument Repair Program became an Aircraft Intermediate Maintenance Department (AIMD) capability in 1992, i.e., as a "program," instrument repair is considered implemented. Therefore, this will be the last update of the Instrument Repair Program NTSP.

INSTRUMENT REPAIR PROGRAM

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INSTRUMENT REPAIR PROGRAM

LIST OF ACRONYMS

ACDU	Active Duty
AE	Aviation Electrician's Mate
AIMD	Aircraft Intermediate Maintenance Department
AMTCS	Aviation Maintenance Training Continuum System
AOA	Angle of Attack
AOB	Average Onboard
AR	Active Reserve
AT	Aviation Electronics Technician
ATIR	Annual Training Input Requirement
CASS	Consolidated Automated Support System
CFY	Current Fiscal Year
CIN	Course Identification Number
CINCLANTFLT	Commander in Chief, Atlantic Fleet
CINCPACFLT	Commander in Chief, Pacific Fleet
CMC	Commandant of the Marine Corps
CNET	Chief of Naval Education and Training
CNO	Chief of Naval Operations
CV	Aircraft Carrier
CVN	Aircraft Carrier Nuclear
FREST	Fleet Replacement Enlisted Skills Training
FW	Fixed Wing
FY	Fiscal Year
GFE	Government Furnished Equipment
HMM	Marine Medium Helicopter Squadron
HMT	Marine Helicopter Training Squadron
HMX	Marine Helicopter Squadron
HSL	Helicopter Anti-Submarine Squadron Light
IMA	Intermediate Maintenance Activity
IPB	Illustrated Parts Breakdown
JRB	Joint Reserve Base
MALS	Marine Aviation Logistics Squadron
MATMEP	Maintenance Training Management and Evaluation Program

INSTRUMENT REPAIR PROGRAM

LIST OF ACRONYMS

MCAS	Marine Corps Air Station
MCCDC	Marine Corps Combat Development Command
MOS	Military Occupational Specialty
MSDS	Material Safety Data Sheet
MTIP	Maintenance Training Improvement Program
MTU	Maintenance Training Unit
NA	Not Applicable
NAF	Naval Air Facility
NAMP	Naval Aviation Maintenance Program
NAMTRA MARUNIT	Naval Air Maintenance Training Marine Unit
NAMTRAU	Naval Air Maintenance Training Unit
NAS	Naval Air Station
NAVAIRSYSCOM	Naval Air Systems Command
NAVMAC	Naval Manpower Analysis Center
NAVEDTRA	Naval Education and Training
NAVPERS	Naval Personnel
NAVPERSCOM	Naval Personnel Command
NEC	Navy Enlisted Classification
NTSP	Navy Training System Plan
OPNAV	Office of the Chief of Naval Operations
OPNAVINST	Office of the Chief of Naval Operations Instruction
OPO	OPNAV Principal Official
PDA	Principal Development Activity
PFY	Previous Fiscal Year
PMA	Program Manager, Air
PMOS	Primary Military Occupational Specialty
PNEC	Primary Navy Enlisted Classification
RAIMD	Reserve Aircraft Intermediate Maintenance Department
RFT	Ready For Training
RW	Rotary Wing
SEAOPDET	Sea Operational Detachment
SELRES	Selected Reserve
SMOS	Secondary Military Occupational Specialty

INSTRUMENT REPAIR PROGRAM

LIST OF ACRONYMS

SNEC	Secondary Navy Enlisted Classification
TAR	Training and Administration of Reserves
TD	Training Device
TFMMS	Total Force Manpower Management System
TFS	Table of Organization
TSA	Training Support Agency
TTE	Technical Training Equipment
UIC	Unit Identification Code
USMC	United States Marine Corps
VMA	Fixed Wing Marine Attack Squadron
VMAQ	Fixed Wing Marine Tactical Electronic Warfare Squadron
VMAT	Fixed Wing Marine Attack Training Squadron
VMFA	Fixed Wing Marine Fighter/Attack Squadron
VMFAT	Fixed Wing Marine Fighter/Attack Training Squadron
VMGRT	Fixed Wing Marine Aerial Refueler Transport Squadron
VMM	Marine Medium Tilt-Rotor Squadron
VMMT	Marine Medium Tilt-Rotor Training Squadron
VMU	Fixed Wing Marine Unmanned Aerial Vehicle Squadron
VP	Patrol Squadron

INSTRUMENT REPAIR PROGRAM

PREFACE

This Instrument Repair Program Approved Navy Training System Plan (NTSP) has been developed to update the Draft NTSP, A-50-8510/D, dated August 2001. This document complies with guidelines set forth in the Navy Training Requirements Documentation Manual, Office of the Chief of Naval Operations (OPNAV) Publication P-751-1-9-97.

This NTSP provides the latest information about the Instrument Repair Program, including training, manpower, equipment, test sets, and points of contact. This version incorporates clarifying comments on the Draft NTSP received from the Chief of Naval Education and Training (ETSO) and Commanding Officer, Naval Air Warfare Center Training Systems Division.

PART I - TECHNICAL PROGRAM DATA

A. NOMENCLATURE-TITLE-PROGRAM

1. **Nomenclature-Title-Acronym.** Instrument Repair Program
2. **Program Element.** 8477X

B. SECURITY CLASSIFICATION

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

C. MANPOWER, PERSONNEL, AND TRAINING PRINCIPALS

- OPNAV Principal Official (OPO) Program Sponsor..... CNO (N781)
- OPO Resource Sponsor CNO (N781)
- Marine Corps Program Sponsor..... CMC (ASL-33)
- Developing Agency..... NAVAIRSYSCOM (PMA260)
- Training Agency CINCLANTFLT (N721)
CINCPACFLT (N70)
CNET (ETS-23)
- Training Support Agency NAVAIRSYSCOM (PMA205)
- Manpower and Personnel Mission Sponsor CNO (N12)
NAVPERSCOM (PERS-4, PERS-404)
- Director of Naval Training..... CNO (N795)
- Marine Corps Force Structure..... MCCDC (C53)

D. SYSTEM DESCRIPTION

1. **Operational Uses.** The Instrument Repair Program was developed to improve fleet readiness by providing instrument repair capabilities at Aircraft Intermediate Maintenance

Departments (AIMD) and Marine Aviation Logistics Squadrons (MALS) in support of organizational maintenance activities. The Navy and Marine Corps established AIMD Work Center 62B, the Instrument Repair Shop, to accomplish instrument repair.

2. Foreign Military Sales. Not Applicable (NA)

E. DEVELOPMENTAL TEST AND OPERATIONAL TEST. NA

F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED. The Instrument Repair Program did not replace any existing system or program.

G. DESCRIPTION OF NEW DEVELOPMENT

1. Functional Description. Repairable instruments are classified as sealed, unsealed, and synchronized. The repairable aircraft instruments that are repaired at AIMD Work Center 62B include indicators for temperature, attitude, fuel quantity, barometric altitude, bearing, pressure, Angle of Attack (AOA), and tachometers, gyroscopes, and aircraft clocks.

2. Physical Description. NA

3. New Development Introduction. NA

4. Significant Interfaces. NA

5. New Features, Configurations, or Material. NA

H. CONCEPTS

1. Operational Concept. Instrument repair is performed at AIMDs and MALS in accordance with the guidelines established in the Naval Aviation Maintenance Program (NAMP), Office of the Chief of Naval Operations Instruction (OPNAVINST) 4790.2 (series).

2. Maintenance Concept

a. Organizational. NA

b. Intermediate. Navy Aviation Electrician's Mate (AE) and Aviation Electronics Technician (AT) Navy Enlisted Classification (NEC) 7137 (Aircraft Instrument IMA Technician) personnel perform instrument repair. Marine Corps Aviation Electronic Micro-Miniature/Instrument and Cable Repair Technician, Intermediate Maintenance Activity (IMA), Military Occupational Specialty (MOS) 6423 personnel perform instrument repair for the Marine Corps. The following tables depict a typical AIMD and MALS maintenance level repair capability. The instrument repair equipment listed is representative and is not intended to be all-

inclusive. The information below was taken directly from the Individual Component Repair Listing at AIMD Patuxent River, Maryland.

FULL REPAIR CAPABILITY

ITEM	PART NUMBER
Indicator, Bearing-Distance	134246
Indicator, Altitude	144700-01-01
Indicator, Pressure	18-1278
Indicator, Stabilator	450-21953-101
Indicator, Master	964-1
Indicator, Temperature	H903K-217
Circuit Card Assembly	080380-101

TEST AND CHECK CAPABILITY ONLY

ITEM	PART NUMBER
Altimeter, Encoder	101450-41883
Altimeter, Pressure	101450-31327
Electronic Counter	104717
Indicator, Torque	107E2982-8
Indicator, AOA	126300-17
Indicator, Sub-Assembly	142700-02-01
Indicator, Velocity	1652-6AJB6-1
Tachometer	8DJ131AAB1
Tank Unit	EA1091A2015
Indicator, Line	215-002-002

LIMITED REPAIR

ITEM	PART NUMBER
Circuit Card Assembly	10080382-102
Indicator, Rate	101280

ITEM	PART NUMBER
Indicator, Bearing-Distance	104470
Indicator, Heading	1073640
Clock	128SCAV117
Indicator, Torque	201-004-001
Indicator, Pressure	18-1169
Indicator, Dual	209-070-263-1
Indicator, Rate	25622B41A40A3
Meter, Electric Motor	265-032-001
Indicator, Attitude	276111
Indicator, Temperature	309-001-001
Altimeter, Encoder	3252010-1101
Indicator, Position	3571820-4001
Indicator, Digital	372-056-001
Indicator, Rate	8DJ205LAH4
Amplifier Assembly	953C182
Indicator, Liquid	9A360HEA
Altimeter, Pressure	A27397-10-004
Tachometer	BH187L-21
Indicator, Velocity	C2536310021
Indicator, Rate	D31527-10-015
Gage	H904-212
Indicator, Course	ID250AARN
Altimeter Set	1069451-106

c. Depot. Instruments determined to be beyond the intermediate maintenance level capabilities are forwarded to the appropriate aircraft depot maintenance activity or instrument manufacturer.

d. Interim Maintenance. NA

e. Life Cycle Maintenance Plan. NA

3. Manning Concept. Manpower requirements for the Instrument Repair Program were extracted from the Total Force Manpower Management System (TFMMS) and Total Force Structure (TFS) Table of Organization (T/O) 0102, dated 30 April 2001. No qualitative or quantitative changes are required to the existing force structure.

4. Training Concept. Instrument Repair Program follow-on training is conducted at the following two locations:

- Maintenance Training Unit (MTU) 1011 at Naval Air Maintenance Training Unit (NAMTRAU), Jacksonville, Florida
- Naval Air Maintenance Training Marine Unit (NAMTRA MARUNIT), Marine Corps Air Station (MCAS) Miramar, California

a. Initial Training. No formal initial training was required for the Instrument Repair Program.

b. Follow-on Training. Instrument Repair Program follow-on training began in Fiscal Year (FY) 1988. Currently, Navy AE and AT personnel attend training track *D/E-602-5062, Aircraft Sealed Instrument Repair*, which contains course *C-602-3019, Aircraft Sealed Instrument Repair Intermediate Maintenance*. Upon completion, NEC 7137 is awarded.

Marine Corps Aviation Electronic Micro-Miniature/Instrument and Cable Repair Technician, IMA personnel attend Marine Corps training track *M-102-6423, Miniature Electronic/Instrument/Cable Repair Technician* and are awarded MOS 6423. This track contains the following courses:

- *A-100-0072, Miniature Electronics Repair*
- *C-602-3023, Aircraft Electrical Interface Devices Intermediate Maintenance*
- *C-602-3019, Aircraft Sealed Instrument Repair Intermediate Maintenance*

C-602-3019 is the only one of the above courses applicable to Parts II, III, and IV of this NTSP.

Title **Aircraft Sealed Instrument Intermediate Repair**

CIN D/E-602-5062

Model Manager .. NAMTRAU Jacksonville

Description This course provides the Navy Aviation Electrician's Mate and Aviation Electronics Technician with sufficient knowledge and skills to perform intermediate level instrument repair, including:

- Introduction to Aircraft Sealed Instrument Repair
- Basic Instrument Theory
- Balanced Bridge Type Instrument Theory
- Control Synchro System Type Instruments
- Instrument Disassembly, Assembly, and Alignment
- Instrument Troubleshooting, Selected Repair, and Operational Checks

Upon completion, the student will be able to perform intermediate level instrument repair under limited supervision.

Locations ◦ MTU 1011 NAMTRAU Jacksonville
 ◦ NAMTRA MARUNIT Miramar

Length 44 days

RFT date Currently available

Skill identifier NEC 7137

TTE/TD Various Aircraft Indicators and Test Sets

Prerequisite..... For AE personnel:

- C-100-2020, Avionics Common Core Class A1
- C-602-2039, Aviation Electrician's Mate Strand Class A1
- C-602-2042, Aviation Electrician's Mate Intermediate Maintenance Level Strand Class A1*

For AT personnel:

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

* Currently, AE personnel gain prerequisite knowledge through successful completion of current Class "A" Schools C-100-2020 and C-602-2039. When *C-602-2042, Intermediate Level Training* becomes available, it will become a mandatory prerequisite for all AE personnel.

Title **USMC Miniature Electronic/Instrument/Cable Repair Intermediate Maintenance**

CIN M-102-6423

Model Manager .. NAMTRAU Jacksonville

Description This course provides the Marine Corps Aviation Electronic Micro-Miniature/Instrument and Cable Repair Technician with sufficient knowledge and skills to perform intermediate level instrument repair, including:

- A-100-0072, Miniature Electronics Repair
- C-602-3023, Aircraft Electrical Interface Devices Intermediate Maintenance
- C-602-3019, Aircraft Sealed Instrument Repair Intermediate Maintenance

Upon completion, the student will be able to perform intermediate level instrument repair under limited supervision.

Locations ◦ MTU 1011 NAMTRAU Jacksonville
◦ NAMTRA MARUNIT Miramar

Length 89 days

RFT date Currently available

Skill identifier MOS 6423

TTE/TD Various Aircraft Indicators and Test Sets

Prerequisite..... C-100-2017, Avionics Technician I Level Class A1

c. Student Profiles

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
AE 7137	<ul style="list-style-type: none"> ◦ C-100-2020, Avionics Common Core Class A1 ◦ C-602-2039, Aviation Electrician's Mate Strand Class A1 <p>Beginning in FY02, intermediate level AEs will attend C-100-2020 and C-602-2042 only.</p> <ul style="list-style-type: none"> ◦ C-602-2042, Aviation Electrician's Mate Intermediate Maintenance Level
AT 7137	<ul style="list-style-type: none"> ◦ C-100-2020, Avionics Common Core Class A1 ◦ C-602-2017, Avionics Technician Intermediate Level Class A1

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
MOS 6423	° C-602-2017, Avionics Technician Intermediate Level Class A1

d. Training Pipelines. NA

I. ONBOARD (IN-SERVICE) TRAINING

1. Proficiency or Other Training Organic to the New Development. NA

a. Maintenance Training Improvement Program. Current planning is to adopt the Aviation Maintenance Training Continuum System (AMTCS) concepts to replace the Maintenance Training Improvement Program (MTIP). AMTCS is scheduled to begin full implementation for fleet deployment in third quarter FY03.

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

Technology investments enable the development of several state-of-the-art training and administrative tools: Interactive Multimedia Instruction 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 Aviation Maintenance Training Continuum System - Software Module, which provides testing [Test and Evaluation], recording [Electronic Certification Qualification Records], and a Feedback system. The core functionality of these AMTCS tools are based and designed around the actual maintenance-related tasks the technicians perform, and the tasks are stored and maintained in a Master Task List data bank. These tools are procured and fielded with appropriate Commercial-Off-The-Shelf hardware and software, i.e., Fleet Training Devices - Laptops, Personal Computers, Electronic Classrooms, Learning Resource Centers, operating software, and network software and hardware.

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

existing MTIP and Maintenance Training Management and Evaluation Program (MATMEP) programs.

2. Personnel Qualification Standards. NA

3. Other Onboard or In-Service Training Packages. Marine Corps onboard training is based on the current series of Marine Corps Order P4790.12, Individual Training Standards System and MATMEP. This program is designed to meet Marine Corps, as well as Navy OPNAVINST 4790.2 (series), maintenance training requirements. It is a performance-based, standardized, level-progressive, documentable, training management and evaluation program. It identifies and prioritizes task inventories by MOS through a front-end analysis process that identifies task, skill, and knowledge requirements of each MOS. MTIP questions coupled to MATMEP tasks help identify training deficiencies that can be enhanced with refresher training. (MATMEP is planned to be replaced by AMTCS.)

J. LOGISTICS SUPPORT

1. Manufacturer and Contract Numbers. NA

2. Program Documentation. The last Instrument Repair Program Phased Support Plan was updated in January 1990.

3. Technical Data Plan. Instrument Repair Technical Manuals are listed in element IV.B.3 of this NTSP.

4. Test Sets, Tools, and Test Equipment. A complete list of test sets and Technical Training Equipment (TTE) for *C-602-3019, Aircraft Sealed Instrument Repair Intermediate Maintenance*, is listed in Part IV of this NTSP. Representative AIMD Work Center 62B special tools and test set requirements are listed in the following table (not intended to be all-inclusive).

NOMENCLATURE	PART NUMBER
Multi Indicator	106200-002
Tool Kit, Avionics	1127AS124
Tester, T&B	1242
Test Set, Synch	13819-2A
Capacitor, Decade	1419B
Resistance Box	1433W
Test Set, Indicator	1510420-901
Cleaning Unit	16
TTU-205C/E	18910010000

NOMENCLATURE	PART NUMBER
Oscilloscope	2246-1Y
Resistor, Decade	240C
Bridge Capacitance	250DE-1325
Height Indicator	2520T01S/ES-3
Indicator, Servo	30-01
Function Generator	3325A-001-002-910
Digital Multi-Meter	34401A
Liquid Quantity	361-9006-001
Generator Phase	384470
Cable Assembly	467-080-000
Test Set, Attitude	510-1006-01
Decade-Synchro	530S741
Power Supply	6215A
Oven	69601-1
Millivolt Potentiometer	720350
Multi-Meter, Digital	77/AN
3.5" to 6.5" Induction Coils	864200-30/40/50/60
High Vacuum Pump	898000
Converter	A36-30DKN24
Oscilloscope, G	AN/USM-425 (V)1
Clock Calibrator	B200A
Tachometer Test	CA-11-FCS
Transformer	E1010VA
Module Cooling	E37092
Test Set, Liquid	EA315M
Induction Generator	FS-5000
Checker, Semiconductor	HTR1005B-1S
Test Set, Attitude	JT27A
Fuel Flow/RPM/E	LK-0001

NOMENCLATURE	PART NUMBER
Test Set, Flight	LT3387
Attitude Indicator	LT5249-02-01
Test Set, Indicator	P-579
Ratio Transformer	RT-7
Test Set, Indicator	SLZ 9060
Adapter Unit	SLZ 9889
Very Low Pressure	SSC5
Test Set, Computer	TA1157
Test Set, Tachometer	TTU27E

a. Air Data Test Sets. The Modernization Plan for the Instrumentation Commodity includes the Air Data Tester Group. The Air Data Tester Group includes air speed indicators, rate of climb indicators, altimeters, and air data computers. The TS-4508/U Air Data Test Set is a multi-maintenance level test set designed to meet current support requirements. The TS-4508/U is in the process of replacing the TTU-205C/E, TTU-205D, and TTU-205G Test Sets. A total of 905 test sets were purchased from 1997 through 1999 to satisfy fleet requirements. Delivery was completed in fourth quarter FY01. This test set is expected to be integrated into the AN/USM-636(V) Consolidated Automated Support System (CASS) and satisfy fleet requirements through FY20.

b. Fuel Quantity Test Sets. The Fuel Quantity Group of test sets consists of fuel, oil, and liquid oxygen systems test sets. There are several problem areas with the fuel quantity test sets currently in use. The TTU-378A/E Test Set supports multiple aircraft but has a current fleet deficit of 40 units. The AN/TSM-144 Test Set supports F-14 and S-3 Aircraft but is historically unreliable. The A/E 24T-159 Test Set supports the F/A-18A/B Aircraft but has parts obsolescence issues.

The AV-8B Aircraft Program Office is currently procuring the new JcAirPSD-901M Fuel Quantity Test Set. This test set will satisfy both Alternating Current and Direct Current capacitance measurement requirements, and will start replacing the TTU-378A/E, AN/USM-405, A/E 24T-159, AN/TSM-144, and AV-8B Test Sets. Current plans indicate the JcAirPSD-901M will be completely incorporated by FY09. The JcAirPSD-901M Fuel Quantity Test Sets will satisfy fleet requirements through FY20.

c. Indicator Test Sets. Indicator Test Sets are used to test altitude, attitude, bearing direction, and heading indicators. These test sets perform operational checks at both organizational and intermediate level maintenance activities, including fault isolation of defective instruments at the organizational level and isolate instruments to failed components at the

intermediate level. The Multi-Indicator Test Set and CASS are currently used to support indicators on numerous aircraft. The future support requirements indicate new instruments will be used in new and modified aircraft. These new instruments will operate in digital format, and organizational level maintenance test requirements will be satisfied primarily through onboard aircraft Built-In Test capability. Higher reliability and lower cost of new digital instrumentation will limit the need for intermediate level test capability. Future intermediate level maintenance level support requirements will be minimal and can be satisfied through CASS. CASS will be sustained through FY20 and will continue to provide a viable intermediate level maintenance support option for minimal new requirements that may emerge.

d. Angle of Attack Test Sets. The current support requirement for AOA indicators is to simulate the AOA transmitter potentiometer outputs and indicator damping, and test AOA indicators at the intermediate level of maintenance. AOA Test Set SLZ 9060, which uses analog readouts, is becoming obsolete and will have to be replaced in the near future. AOA Test Set SLZ 9589 will satisfy this requirement and replace the SLZ 9060 Test Set. There is currently a fleet deficit of AOA testers. Current planning indicates intermediate level maintenance activities will procure additional AOA test sets. Offloading AOA test set support to a CASS Hybrid station will also be reviewed.

5. Repair Parts. NA

6. Human Systems Integration. NA

K. SCHEDULES

1. Installation and Delivery Schedules. Aircraft Carrier (CV), Aircraft Carrier Nuclear (CVN), Reserve Aircraft Intermediate Maintenance Department (RAIMD), and AIMDs listed in the table below are capable of instrument repair. A complete list of operational and support activities, including billet requirements, are listed in elements II.A.1 and II.A.2 of this NTSP.

INSTRUMENT REPAIR FACILITIES	
CV 63 USS Kitty Hawk	AIMD Brunswick
CV 64 USS Constellation	AIMD Jacksonville
CVN 65 USS Enterprise	AIMD Keflavik, Iceland
CV 67 USS John F. Kennedy	AIMD Key West
CVN 68 USS Nimitz	AIMD Norfolk
CVN 69 USS Dwight D. Eisenhower	AIMD Oceana
CVN 70 USS Carl Vinson	AIMD Sigonella Det - Rota, Spain
CVN 71 USS Theodore Roosevelt	AIMD Sigonella, Sicily

INSTRUMENT REPAIR FACILITIES	
CVN 72 USS Abraham Lincoln	AIMD Roosevelt Roads, Puerto Rico
CVN 73 USS George Washington	AIMD Patuxent River
CVN 74 USS John C. Stennis	AIMD Fallon
CVN 75 USS Harry S. Truman	AIMD Atsugi, Japan
CVN 76 USS Ronald Reagan	AIMD Misawa, Japan
RAIMD New Orleans	AIMD Kaneohe Bay, Hawaii
RAIMD Washington, D.C.	AIMD North Island
RAIMD Willow Grove	AIMD Whidbey Island
RAIMD Mayport	AIMD Point Mugu
RAIMD Santa Clara	RAIMD Fort Worth

MARINE CORPS INSTRUMENT REPAIR FACILITIES	
Marine Medium Helicopter Squadron (HMM)	Fixed Wing Marine Attack Squadron (VMA)
Marine Helicopter Training Squadron (HMT)-301	Fixed Wing Marine Tactical Electronic Warfare Squadron (VMAQ)
HMT-302	Fixed Wing Marine Fighter/Attack Squadron (VMFA) All Weather (AW)
HMT-303	Fixed Wing Marine Fighter/Attack Training Squadron (VMFAT)-101
HMT-164	Marine Medium Tilt-Rotor Squadron (VMM)-12
MALS Fixed Wing (FW)	Fixed Wing Marine Unmanned Aerial Vehicle Squadron (VMU)
MALS Rotary Wing (RW)	Marine Medium Tilt-Rotor Squadron (VMMT)-204
Marine Helicopter Squadron (HMX)-1	Fixed Wing Marine Aerial Refueler Transport Squadron (VMGRT)-253
MALS-41 (FW)	Fixed Wing Marine Attack Training Squadron (VMAT)-203

MARINE CORPS INSTRUMENT REPAIR FACILITIES	
MALS-42 (RW)	MALS-49 (RW)

2. Ready For Operational Use Schedule. Each instrument repair site is Ready For Operational Use upon delivery of the special tools and test equipment as outlined in element IV.A.1 of this NTSP.

3. Time Required to Install at Operational Sites. NA

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

5. Training Device and Technical Training Equipment Delivery Schedule. All Instrument Repair Training Devices (TD) and TTE have been delivered except item C00025, Test Set Indicator (part number 106200-002) for course *C-602-3019A, Aircraft Sealed Instrument Repair Intermediate Maintenance*. Instrument Repair TDs and TTE is listed in elements IV.A.1 and IV.A.2 of this NTSP.

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

M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS

DOCUMENT OR NTSP TITLE	DOCUMENT OR NTSP NUMBER	PDA CODE	STATUS
Phased Support Plan	NA	PMA260	Updated Jan 90
Cable Harness Repair Or Manufacturing Equivalence Program	N88-NTSP-A-50-8512B/A	PMA260	Approved Oct 00
AN/USM-636(V) Consolidated Automated Support System	N88-NTSP-A-50-8515C/A	PMA260	Approved Jan 02

PART II - BILLET AND PERSONNEL REQUIREMENTS

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

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

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

PART II - BILLET AND PERSONNEL REQUIREMENTS

II.A. BILLET REQUIREMENTS

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

SOURCE: Navy: Total Force Manpower Management System (TFMMS)

DATE: May 2001

USMC: Extract from Table of Manpower Requirements, TFS, MCCDC

DATE: May 2001

ACTIVITY, UIC		PfYs	CFY02	FY03	FY04	FY05	FY06
FLEET SUPPORT ACTIVITIES - NAVY							
ABFC FMP New Orleans	68822	1	0	0	0	0	0
AIMD NAS Brunswick	44314	1	0	0	0	0	0
AIMD NAS Jacksonville	44319	1	0	0	0	0	0
AIMD NAS Keflavik, Iceland	44335	1	0	0	0	0	0
AIMD NAS Key West	44320	1	0	0	0	0	0
AIMD NAS Norfolk	44325	1	0	0	0	0	0
AIMD NAS Oceana	44327	1	0	0	0	0	0
AIMD NAS Sigonella Det, Rota Spain	44374	1	0	0	0	0	0
AIMD NAS Sigonella, Sicily	44330	1	0	0	0	0	0
AIMD NS Roosevelt Roads, Puerto Rico	44373	1	0	0	0	0	0
CV 65 Enterprise AIMD	03365	1	0	0	0	0	0
CV 67 John F. Kennedy AIMD	03367	1	0	0	0	0	0
CVN 68 Nimitz AIMD	03368	1	0	0	0	0	0
CVN 69 Dwight D. Eisenhower AIMD	03369	1	0	0	0	0	0
CVN 71 Theodore Roosevelt AIMD	21247	1	0	0	0	0	0
CVN 73 George Washington AIMD	21412	1	0	0	0	0	0
CVN 75 Harry S. Truman AIMD	21853	1	0	0	0	0	0
HSL-94 NAS Willow Grove	55178	1	0	0	0	0	0
NAS Jacksonville SEAOPDET	46965	1	0	0	0	0	0
NAS Norfolk SEAOPDET	46967	1	0	0	0	0	0
NAS Oceana SEAOPDET	46963	1	0	0	0	0	0
NAWCAD Patuxent River	00421	1	0	0	0	0	0
NS Mayport	60201	1	0	0	0	0	0
RAIMD JRB New Orleans	44490	1	0	0	0	0	0
RAIMD NAF Washington, D.C.	44492	1	0	0	0	0	0
RAIMD NAS Willow Grove	44493	1	0	0	0	0	0
RAIMD NS Mayport	45459	1	0	0	0	0	0
VAW-78 NAS Norfolk	09102	1	0	0	0	0	0
VP-10 NAS Brunswick	09639	1	0	0	0	0	0
VP-16 NAS Jacksonville	09229	1	0	0	0	0	0
VP-26 NAS Brunswick	09610	1	0	0	0	0	0
VP-45 NAS Jacksonville	09665	1	0	0	0	0	0
VP-5 NAS Jacksonville	09630	1	0	0	0	0	0
VP-62 NAS Jacksonville	09162	1	0	0	0	0	0
VP-64 NAS Willow Grove	09172	1	0	0	0	0	0
VP-66 NAS Willow Grove	09174	1	0	0	0	0	0
VP-8 NAS Brunswick	09661	1	0	0	0	0	0
VP-92 NAS Brunswick	09146	1	0	0	0	0	0
VP-94 JRB New Orleans	09148	1	0	0	0	0	0
ABFC FMP Alpha Point Mugu	49738	1	0	0	0	0	0
AIMD Fallon	44317	1	0	0	0	0	0
AIMD NAF Atsugi, Japan	44323	1	0	0	0	0	0

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

SOURCE: Navy: Total Force Manpower Management System (TFMMS)
 USMC: Extract from Table of Manpower Requirements, TFS, MCCDC

DATE: May 2001
DATE: May 2001

ACTIVITY, UIC		PFYs	CFY02	FY03	FY04	FY05	FY06
AIMD NAF Misawa, Japan	44331	1	0	0	0	0	0
AIMD NAS Kaneohe Bay	44312	1	0	0	0	0	0
AIMD North Island CSCWP Det	44326	1	0	0	0	0	0
AIMD Point Mugu CAWP Det	44328	1	0	0	0	0	0
AIMD Whidbey Island CVWP Det	44329	1	0	0	0	0	0
CV 63 Kitty Hawk AIMD	03363	1	0	0	0	0	0
CV 64 Constellation AIMD	03364	1	0	0	0	0	0
CVN 70 Carl Vinson AIMD	20993	1	0	0	0	0	0
CVN 72 Abraham Lincoln AIMD	21297	1	0	0	0	0	0
CVN 74 John C. Stennis AIMD	21847	1	0	0	0	0	0
CVN 76 Ronald Reagan AIMD	22178	0	0	1	0	0	0
FMP MMF Complex Kaneohe Bay	68704	1	0	0	0	0	0
HSL-84 NAS North Island	09055	1	0	0	0	0	0
JRB Fort Worth	44487	1	0	0	0	0	0
NAS North Island SEAOPDET	46968	1	0	0	0	0	0
NAS Point Mugu SEAOPDET	46962	1	0	0	0	0	0
NAS Whidbey Island SEAOPDET	46967	1	0	0	0	0	0
NAS Whidbey Island Van Det	31179	1	0	0	0	0	0
RAIMD Santa Clara	44489	1	0	0	0	0	0
VP-1 NAS Whidbey Island	09618	1	0	0	0	0	0
VP-4 NAS Kaneohe Bay	09623	1	0	0	0	0	0
VP-40 NAS Whidbey Island	09674	1	0	0	0	0	0
VP-46 NAS Whidbey Island	09632	1	0	0	0	0	0
VP-47 NAS Kaneohe Bay	09600	1	0	0	0	0	0
VP-65 NAS Point Mugu	09173	1	0	0	0	0	0
VP-69 NAS Whidbey Island	09989	1	0	0	0	0	0
VP-9 NAS Kaneohe Bay	09644	1	0	0	0	0	0
TOTAL:		69	0	0	0	0	0
FLEET SUPPORT ACTIVITIES - USMC							
HMM (X6)	00000	6	0	0	0	0	0
HMT-302 FREST New River	55203	1	0	0	0	0	0
HMX-1 MCAS Quantico	48099	1	0	0	0	0	0
MALS Fixed Wing (X2)	00000	2	0	0	0	0	0
MALS Rotary Wing (X2)	00000	2	0	0	0	0	0
MALS-42 (RW) Marietta	09513	1	0	0	0	0	0
MALS-49 (RW) Stewart	53841	1	0	0	0	0	0
Site Support Norfolk	00000	1	0	0	0	0	0
VMA (X3)	00000	3	0	0	0	0	0
VMAQ (X4)	00000	4	0	0	0	0	0
VMFA (AW) (X3)	00000	3	0	0	0	0	0
VMGRT-253 MCAS Cherry Point	55251	1	0	0	0	0	0
VMMT-204 FREST New River	52842	1	0	0	0	0	0
HMM (X7)	00000	7	0	0	0	0	0
HMM(T)-164 MCAS Camp Pendleton	09408	1	0	0	0	0	0
HMT-301 MCAS Kaneohe Bay	52843	1	0	0	0	0	0
HMT-303 FREST MCAS Camp Pendleton	55176	1	0	0	0	0	0

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

SOURCE: Navy: Total Force Manpower Management System (TFMMS)
 USMC: Extract from Table of Manpower Requirements, TFS, MCCDC

DATE: May 2001
DATE: May 2001

ACTIVITY, UIC		PFYs	CFY02	FY03	FY04	FY05	FY06
MALS Fixed Wing (X3)	00000	3	0	0	0	0	0
MALS Rotary Wing (X3)	00000	3	0	0	0	0	0
MALS SPT Element MCB Kaneohe Bay	09124	1	0	0	0	0	0
MALS-41 (FW) JRB Fort Worth	03007	1	0	0	0	0	0
VAQ-129 NAS Whidbey Island	09995	1	0	0	0	0	0
VMA (X4)	00000	4	0	0	0	0	0
VMAT-203 MCAS Cherry Point	45483	1	0	0	0	0	0
VMFA (AW) (X3)	00000	3	0	0	0	0	0
VMFAT-101 MCAS Santa Ana	09965	1	0	0	0	0	0
VMM-12	00000	1	0	0	0	0	0
VMU (X2)	00000	2	0	0	0	0	0
TOTAL:		58	0	0	0	0	0

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			
FLEET SUPPORT ACTIVITIES - NAVY					
ABFC FMP New Orleans, 68822					
TAR	0	1	AE2	7137	9527
ACTIVITY TOTAL:	0	1			
AIMD NAS Brunswick, 44314					
ACDU	0	1	AE1	7137	
	0	1	AE2	7137	
	0	1	AE2	7137	9527
	0	2	AE3	7137	
	0	1	AE3	7137	9527
ACTIVITY TOTAL:	0	6			
AIMD NAS Jacksonville, 44319					
ACDU	0	1	AE1	7137	
	0	4	AE2	7137	
	0	4	AE3	7137	
ACTIVITY TOTAL:	0	9			
AIMD NAS Keflavik, Iceland, 44335					
ACDU	0	1	AE2	7137	
	0	2	AE3	7137	
ACTIVITY TOTAL:	0	3			
AIMD NAS Key West, 44320					
ACDU	0	1	AE1	7137	
ACTIVITY TOTAL:	0	1			
AIMD NAS Norfolk, 44325					
ACDU	0	2	AE2	7137	
	0	3	AE3	7137	
ACTIVITY TOTAL:	0	5			
AIMD NAS Oceana, 44327					
ACDU	0	1	AE1	7137	
	0	2	AE2	7137	
	0	3	AE3	7137	
SELRES	0	1	AE3	7137	
ACTIVITY TOTAL:	0	7			

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			
AIMD NAS Sigonella Det, Rota, Spain, 44374					
ACDU	0	3	AE2	7137	
SELRES	0	1	AE2	7137	
ACTIVITY TOTAL:	0	4			
AIMD NAS Sigonella, Sicily, 44330					
ACDU	0	1	AE1	7137	
	0	1	AE2	7137	
	0	1	AE3	7137	
	0	1	AEAN	7137	
ACTIVITY TOTAL:	0	4			
AIMD NS Roosevelt Roads, Puerto Rico, 44373					
ACDU	0	1	AE2	7137	9527
	0	1	AE3	7137	
	0	1	AE3	7137	9527
ACTIVITY TOTAL:	0	3			
CV 65 Enterprise AIMD, 03365					
ACDU	0	1	AE1	7137	
ACTIVITY TOTAL:	0	1			
CV 67 John F. Kennedy AIMD, 03367					
ACDU	0	1	AE1	7137	
ACTIVITY TOTAL:	0	1			
CVN 68 Nimitz AIMD, 03368					
ACDU	0	1	AE1	7137	
ACTIVITY TOTAL:	0	1			
CVN 69 Dwight D. Eisenhower AIMD, 03369					
ACDU	0	1	AE1	7137	
ACTIVITY TOTAL:	0	1			
CVN 71 Theodore Roosevelt AIMD, 21247					
ACDU	0	1	AE1	7137	
ACTIVITY TOTAL:	0	1			

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			
CVN 73 George Washington AIMD, 21412					
ACDU	0	1	AE1	7137	
ACTIVITY TOTAL:	0	1			
CVN 75 Harry S. Truman AIMD, 21853					
ACDU	0	1	AE1	7137	
ACTIVITY TOTAL:	0	1			
HSL-94 NAS Willow Grove, 55178					
ACDU	0	1	AE3	7137	
ACTIVITY TOTAL:	0	1			
NAS Jacksonville SEAOPDET, 46965					
ACDU	0	5	AE3	7137	
ACTIVITY TOTAL:	0	5			
NAS Norfolk SEAOPDET, 46967					
ACDU	0	5	AE2	7137	
ACTIVITY TOTAL:	0	5			
NAS Oceana SEAOPDET, 46963					
ACDU	0	9	AE3	7137	
ACTIVITY TOTAL:	0	9			
NAWCAD Patuxent River, 00421					
SELRES	0	1	AE2	7137	
ACTIVITY TOTAL:	0	1			
NS Mayport, 60201					
ACDU	0	1	AE3	7137	
ACTIVITY TOTAL:	0	1			
RAIMD JRB New Orleans, 44490					
TAR	0	2	AE3	7137	
ACTIVITY TOTAL:	0	2			

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			
RAIMD NAF Washington, D.C., 44492					
ACDU	0	1	AE2	7137	9527
ACTIVITY TOTAL:	0	1			
RAIMD NAS Willow Grove, 44493					
TAR	0	1	AE1	7137	
	0	1	AE2	7137	
	0	1	AE3	7137	9526
ACTIVITY TOTAL:	0	3			
RAIMD NS Mayport, 45459					
ACDU	0	1	AE1	7137	
	0	4	AE2	7137	
	0	1	AE3	7137	
	0	1	AE3	7137	9527
ACTIVITY TOTAL:	0	7			
VAW-78 NAS Norfolk, 09102					
TAR	0	1	AE2	7137	
ACTIVITY TOTAL:	0	1			
VP-10 NAS Brunswick, 09639					
ACDU	0	1	AE3	7137	
ACTIVITY TOTAL:	0	1			
VP-16 NAS Jacksonville, 09229					
ACDU	0	1	AE3	7137	
ACTIVITY TOTAL:	0	1			
VP-26 NAS Brunswick, 09610					
ACDU	0	1	AE3	7137	
ACTIVITY TOTAL:	0	1			
VP-45 NAS Jacksonville, 09665					
ACDU	0	1	AE3	7137	
ACTIVITY TOTAL:	0	1			

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			
VP-5 NAS Jacksonville, 09630 ACDU	0	1	AE3	7137	
ACTIVITY TOTAL:	0	1			
VP-62 NAS Jacksonville, 09162 TAR	0	1	AE3	7137	
ACTIVITY TOTAL:	0	1			
VP-64 NAS Willow Grove, 09172 TAR	0	1	AE3	7137	
ACTIVITY TOTAL:	0	1			
VP-66 NAS Willow Grove, 09174 TAR	0	1	AE3	7137	
ACTIVITY TOTAL:	0	1			
VP-8 NAS Brunswick, 09661 ACDU	0	1	AE3	7137	
ACTIVITY TOTAL:	0	1			
VP-92 NAS Brunswick, 09146 TAR	0	1	AE3	7137	
ACTIVITY TOTAL:	0	1			
VP-94 JRB New Orleans, 09148 TAR	0	1	AE3	7137	
ACTIVITY TOTAL:	0	1			
ABFC FMP Alpha Point Mugu, 49738 TAR	0	1	AE2	7137	9527
ACTIVITY TOTAL:	0	1			
AIMD Fallon, 44317 ACDU	0	2	AE2	7137	
	0	1	AE2	7137	9527
ACTIVITY TOTAL:	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			
AIMD NAF Atsugi, Japan, 44323					
ACDU	0	1	AE2	7137	9527
	0	2	AE3	7137	
ACTIVITY TOTAL:	0	3			
AIMD NAF Misawa, Japan, 44331					
SELRES	0	1	AE2	7137	
ACTIVITY TOTAL:	0	1			
AIMD NAS Kaneohe Bay, 44312					
ACDU	0	2	AE1	7137	
	0	3	AE2	7137	
ACTIVITY TOTAL:	0	5			
AIMD North Island CSCWP Det, 44326					
ACDU	0	1	AE1	7137	
	0	3	AE2	7137	
	0	4	AE3	7137	
ACTIVITY TOTAL:	0	8			
AIMD Point Mugu CAWP Det, 44328					
ACDU	0	1	AE2	7131	7137
	0	1	AE2	7137	7136
	0	1	AE3	7137	
	0	1	AEAN	7137	
AIMD Point Mugu CAWP Det, 44328					
ACDU	0	1	AE2	7137	
ACTIVITY TOTAL:	0	5			
AIMD Whidbey Island CVWP Det, 44329					
ACDU	0	1	AE1	7137	
ACTIVITY TOTAL:	0	1			
CV 63 Kitty Hawk AIMD, 03363					
ACDU	0	1	AE1	7137	9527
	0	1	AE2	7137	
	0	1	AE2	7137	
	0	2	AE3	7137	
ACTIVITY TOTAL:	0	5			

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			
CV 64 Constellation AIMD, 03364					
ACDU	0	1	AE1	7137	
ACTIVITY TOTAL:	0	1			
CVN 70 Carl Vinson AIMD, 20993					
ACDU	0	1	AE1	7137	
ACTIVITY TOTAL:	0	1			
CVN 72 Abraham Lincoln AIMD, 21297					
ACDU	0	1	AE1	7137	
ACTIVITY TOTAL:	0	1			
CVN 74 John C. Stennis AIMD, 21847					
ACDU	0	1	AE1	7137	
ACTIVITY TOTAL:	0	1			
CVN 76 Ronald Reagan AIMD, 22178, FY03 Increment					
ACDU	0	1	AE1	7137	
ACTIVITY TOTAL:	0	1			
FMP MMF Complex Kaneohe Bay, 68704					
ACDU	0	1	AE2	7137	9527
ACTIVITY TOTAL:	0	1			
HSL-84 NAS North Island, 09055					
ACDU	0	1	AE3	7137	
ACTIVITY TOTAL:	0	1			
JRB Fort Worth, 44487					
TAR	0	2	AE2	7137	
	0	1	AE3	7137	
ACTIVITY TOTAL:	0	3			
NAS North Island SEAOPDET, 46968					
ACDU	0	4	AE3	7137	
ACTIVITY TOTAL:	0	4			

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			
NAS Point Mugu SEAOPDET, 46962					
ACDU	0	4	AE2	7137	
ACTIVITY TOTAL:	0	4			
NAS Whidbey Island SEAOPDET, 46967					
ACDU	0	9	AE2	7137	9527
ACTIVITY TOTAL:	0	9			
NAS Whidbey Island Van Det, 31179					
ACDU	0	5	AE2	7137	
ACTIVITY TOTAL:	0	5			
RAIMD Santa Clara, 44489					
TAR	0	1	AE2	7175	7137
ACTIVITY TOTAL:	0	1			
VP-1 NAS Whidbey Island, 09618					
ACDU	0	1	AE3	7137	
ACTIVITY TOTAL:	0	1			
VP-4 NAS Kaneohe Bay, 09623					
ACDU	0	1	AE3	7137	
ACTIVITY TOTAL:	0	1			
VP-40 NAS Whidbey Island, 09674					
ACDU	0	1	AE3	7137	
ACTIVITY TOTAL:	0	1			
VP-46 NAS Whidbey Island, 09632					
ACDU	0	1	AE3	7137	
ACTIVITY TOTAL:	0	1			
VP-47 NAS Kaneohe Bay, 09600					
ACDU	0	1	AE3	7137	
ACTIVITY TOTAL:	0	1			

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			
VP-65 NAS Point Mugu, 09173					
TAR	0	1	AE3	7137	
ACTIVITY TOTAL:	0	1			
VP-69 NAS Whidbey Island, 09989					
TAR	0	1	AE3	7137	
ACTIVITY TOTAL:	0	1			
VP-9 NAS Kaneohe Bay, 09644					
ACDU	0	1	AE3	7137	
ACTIVITY TOTAL:	0	1			
FLEET SUPPORT ACTIVITIES - USMC					
HMM (X6), 00000					
USMC	0	1	LCPL	6423	
ACTIVITY TOTAL:	0	1			
HMT-302 FREST New River, 55203					
USMC	0	1	CPL	6423	
ACTIVITY TOTAL:	0	1			
HMX-1 MCAS Quantico, 48099					
USMC	0	2	LCPL	6423	
ACTIVITY TOTAL:	0	2			
MALS Fixed Wing (X2), 00000					
USMC	0	1	CPL	6423	
	0	3	LCPL	6423	
	0	2	SGT	6423	
ACTIVITY TOTAL:	0	6			
MALS Rotary Wing (X2), 00000					
USMC	0	1	CPL	6423	
	0	4	LCPL	6423	
	0	1	SGT	6423	
ACTIVITY TOTAL:	0	6			

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			
MALS-42 (RW) Marietta, 09513					
AR	0	1	CPL	6423	
	0	4	LCPL	6423	
	0	1	SGT	6423	
ACTIVITY TOTAL:	0	6			
MALS-49 (RW) Stewart, 53841					
USMC	0	1	LCPL	6423	
	0	1	SGT	6423	
AR	0	1	CPL	6423	
	0	3	LCPL	6423	
ACTIVITY TOTAL:	0	6			
Site Support Norfolk, 00000					
USMC	0	1	LCPL	6423	
ACTIVITY TOTAL:	0	1			
VMA (X3), 00000					
USMC	0	1	LCPL	6423	
ACTIVITY TOTAL:	0	1			
VMAQ (X4), 00000					
USMC	0	1	CPL	6423	
	0	1	LCPL	6423	
ACTIVITY TOTAL:	0	2			
VMFA (AW) (X3), 00000					
USMC	0	1	LCPL	6423	
ACTIVITY TOTAL:	0	1			
VMGRT-253 MCAS Cherry Point, 55251					
USMC	0	1	CPL	6423	
ACTIVITY TOTAL:	0	1			
VMMT-204 FREST New River, 52842					
USMC	0	2	CPL	6423	
	0	2	LCPL	6423	
ACTIVITY TOTAL:	0	4			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETTS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
HMM (X7), 00000					
USMC	0	1	LCPL	6423	
ACTIVITY TOTAL:	0	1			
HMM(T)-164 MCAS Camp Pendleton, 09408					
USMC	0	1	CPL	6423	
	0	1	LCPL	6423	
ACTIVITY TOTAL:	0	2			
HMT-301 MCAS Kaneohe Bay, 52843					
USMC	0	1	CPL	6423	
ACTIVITY TOTAL:	0	1			
HMT-303 FREST MCAS Camp Pendleton, 55176					
USMC	0	3	CPL	6423	
ACTIVITY TOTAL:	0	3			
MALS Fixed Wing (X3), 00000					
USMC	0	1	CPL	6423	
	0	3	LCPL	6423	
	0	2	SGT	6423	
ACTIVITY TOTAL:	0	6			
MALS Rotary Wing (X3), 00000					
USMC	0	1	CPL	6423	
	0	4	LCPL	6423	
	0	1	SGT	6423	
ACTIVITY TOTAL:	0	6			
MALS SPT Element MCB Kaneohe Bay, 09124					
USMC	0	2	CPL	6423	
	0	3	LCPL	6423	
ACTIVITY TOTAL:	0	5			
MALS-41 (FW) JRB Fort Worth, 03007					
USMC	0	2	SGT	6423	
AR	0	1	CPL	6423	
	0	3	LCPL	6423	
ACTIVITY TOTAL:	0	6			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
VAQ-129 NAS Whidbey Island, 09995					
USMC	0	1	LCPL	6423	
ACTIVITY TOTAL:	0	1			
VMA (X4), 00000					
USMC	0	1	LCPL	6423	
ACTIVITY TOTAL:	0	1			
VMAT-203 MCAS Cherry Point, 45483					
USMC	0	1	CPL	6423	
	0	2	LCPL	6423	
ACTIVITY TOTAL:	0	3			
VMFA (AW) (X3), 00000					
USMC	0	1	LCPL	6423	
ACTIVITY TOTAL:	0	1			
VMFAT-101 MCAS Santa Ana, 09965					
USMC	0	3	LCPL	6423	
ACTIVITY TOTAL:	0	3			
VMM-12, 00000					
USMC	0	1	LCPL	6423	
ACTIVITY TOTAL:	0	1			
VMU (X2), 00000					
USMC	0	1	CPL	6423	
ACTIVITY TOTAL:	0	1			

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY02		FY03		FY04		FY05		FY06	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
AE1	7137		22		0		1		0		0		0
AE2	7131	7137	1		0		0		0		0		0
AE2	7137		42		0		0		0		0		0
AE2	7137	7136	1		0		0		0		0		0
AE2	7137	9527	16		0		0		0		0		0
AE3	7137		59		0		0		0		0		0
AE3	7137	9527	3		0		0		0		0		0
AEAN	7137		2		0		0		0		0		0
NAVY FLEET SUPPORT ACTIVITIES - TAR													
AE1	7137		1		0		0		0		0		0
AE2	7137		4		0		0		0		0		0
AE2	7137	9527	2		0		0		0		0		0
AE2	7175	7137	1		0		0		0		0		0
AE3	7137		10		0		0		0		0		0
AE3	7137	9526	1		0		0		0		0		0
NAVY FLEET SUPPORT ACTIVITIES - SELRES													
AE2	7137		3		0		0		0		0		0
AE3	7137		1		0		0		0		0		0
USMC FLEET SUPPORT ACTIVITIES - USMC													
CPL	6423		28		0		0		0		0		0
LCPL	6423		82		0		0		0		0		0
SGT	6423		18		0		0		0		0		0
USMC FLEET SUPPORT ACTIVITIES - AR													
CPL	6423		3		0		0		0		0		0
LCPL	6423		10		0		0		0		0		0
SGT	6423		1		0		0		0		0		0
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
			145		0		1		0		0		0
NAVY FLEET SUPPORT ACTIVITIES - TAR													
			19		0		0		0		0		0
NAVY FLEET SUPPORT ACTIVITIES - SELRES													
			4		0		0		0		0		0
USMC FLEET SUPPORT ACTIVITIES - USMC													
			128		0		0		0		0		0
USMC FLEET SUPPORT ACTIVITIES - AR													
			14		0		0		0		0		0

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY02		FY03		FY04		FY05		FY06	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
GRAND TOTALS:													
NAVY - ACDU			145		0		1		0		0		0
NAVY - TAR			19		0		0		0		0		0
NAVY - SELRES			4		0		0		0		0		0
USMC - USMC			128		0		0		0		0		0
USMC - AR			14		0		0		0		0		0

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

SOURCE: SOURCE:Navy: Total Force Manpower Management System (TFMMS)

DATE: May 2001

ACTIVITY, UIC	PFYs	CFY02	FY03	FY04	FY05	FY06
FLEET SUPPORT ACTIVITIES - NAVY						
CV 64 Constellation AIMD 03364	0	0	1	0	0	0
TOTAL:	0	0	1	0	0	0

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
FLEET SUPPORT ACTIVITIES - NAVY					
AIMD Point Mugu CAWP Det, 44328,					
ACDU	0	1	AE2	7131	7137
	0	1	AE2	7137	7136
	0	1	AE3	7137	
	0	1	AEAN	7137	
ACTIVITY TOTAL:	0	4			
CV 64 Constellation AIMD, 03364, FY 03 Increment					
ACDU	0	1	AE1	7137	
ACTIVITY TOTAL:	0	1			
RAIMD Santa Clara, 44489,					
TAR	0	1	AE2	7175	7137
ACTIVITY TOTAL:	0	1			

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

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY02		FY03		FY04		FY05		FY06	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
AE1	7137		1	0		-1		0		0		0	
AE2	7131 7137		1	0		-1		0		0		0	
AE2	7137 7136		1	0		-1		0		0		0	
AE3	7137		1	0		-1		0		0		0	
AEAN	7137		1	0		-1		0		0		0	
NAVY FLEET SUPPORT ACTIVITIES - TAR													
AE2	7175 7137		1	0		-1		0		0		0	
SUMMARY TOTALS:													
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
			5	0		-5		0		0		0	
NAVY FLEET SUPPORT ACTIVITIES - TAR													
			1	0		-1		0		0		0	
GRAND TOTALS:													
NAVY - ACDU													
			5	0		-5		0		0		0	
NAVY - TAR													
			1	0		-1		0		0		0	

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

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY02		FY03		FY04		FY05		FY06	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL

TRAINING ACTIVITY, LOCATION, UIC: Marine Air Training Support Group-21, NATTC Pensacola, 67389

INSTRUCTOR BILLETS

USMC															
SGT	6423			0	2	0	2	0	2	0	2	0	2	0	2
TOTAL:				0	2	0	2	0	2	0	2	0	2	0	2

TRAINING ACTIVITY, LOCATION, UIC: MTU 1011 NAMTRAU Jacksonville, 39469

INSTRUCTOR BILLETS

ACDU															
AE1	7137 9502			0	1	0	1	0	1	0	1	0	1	0	1
AE2	7137 9502			0	1	0	1	0	2	0	2	0	2	0	2
TOTAL:				0	2	0	2	0	3	0	3	0	3	0	3

TRAINING ACTIVITY, LOCATION, UIC: NAMTRA MARUNIT Miramar, 39473

INSTRUCTOR BILLETS

ACDU															
AE1	7137 9502			0	1	0	1	0	1	0	1	0	1	0	1
AE2	7137 9502			0	1	0	1	0	1	0	1	0	1	0	1
TOTAL:				0	2	0	2	0	2	0	2	0	2	0	2

II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs		CFY02		FY03		FY04		FY05		FY06	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1011 NAMTRAU Jacksonville, 39469													
	NAVY		2.9		2.9		2.9		2.9		2.9		2.9
	USMC		1.6		1.6		1.6		1.6		1.6		1.6
NAMTRA MARUNIT Miramar, 39473													
	NAVY		2.0		2.0		2.0		1.9		1.9		1.9
	USMC		2.0		2.0		2.0		2.0		2.0		2.0
SUMMARY TOTALS:													
	NAVY		4.9		4.9		4.9		4.8		4.8		4.8
	USMC		3.6		3.6		3.6		3.6		3.6		3.6
GRAND TOTALS:													
			8.5		8.5		8.5		8.4		8.4		8.4

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY02 +/- CUM	FY03 +/- CUM	FY04 +/- CUM	FY05 +/- CUM	FY06 +/- CUM
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a. OFFICER - USN NA

b. ENLISTED - USN

Fleet Support Billets ACDU and TAR

AE1	7137		24	0	24	24	24	0	24	0	24	0	24
AE2	7131	7137	1	0	1	-1	0	0	0	0	0	0	0
AE2	7137		45	0	45	1	46	0	46	0	46	0	46
AE2	7137	7136	1	0	1	-1	0	0	0	0	0	0	0
AE2	7137	9527	18	0	18	0	18	0	18	0	18	0	18
AE2	7175	7137	1	0	1	-1	0	0	0	0	0	0	0
AE3	7137		69	0	69	-1	68	0	68	0	68	0	68
AE3	7137	9526	1	0	1	0	1	0	1	0	1	0	1
AE3	7137	9527	3	0	3	0	3	0	3	0	3	0	3
AEAN	7137		2	0	2	-1	1	0	1	0	1	0	1

Staff Billets ACDU and TAR

AE1	7137	9502	2	0	2	0	2	0	2	0	2	0	2
AE2	7137	9502	2	0	2	1	3	0	3	0	3	0	3

Chargeable Student Billets ACDU and TAR

			5	0	5	0	5	0	5	0	5	0	5
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SELRES Billets

AE2	7137		3	0	3	0	3	0	3	0	3	0	3
AE3	7137		1	0	1	0	1	0	1	0	1	0	1

TOTAL USN ENLISTED BILLETS:

Fleet Support			166	0	166	6	160	0	160	0	160	0	160
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Staff			4	0	4	1	5	0	5	0	5	0	5
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Chargeable Student			5	0	5	0	5	0	5	0	5	0	5
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SELRES			4	0	4	0	4	0	4	0	4	0	4
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c. OFFICER - USMC NA

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY02		FY03		FY04		FY05		FY06	
				+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM

d. ENLISTED - USMC

Fleet Support Billets USMC and AR

CPL	6423		31	0	31	0	31	0	31	0	31	0	31
LCPL	6423		92	0	92	0	92	0	92	0	92	0	92
SGT	6423		19	0	19	0	19	0	19	0	19	0	19

Staff Billets USMC and AR

SGT	6423		2	0	2	0	2	0	2	0	2	0	2
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Chargeable Student Billets USMC and AR

			4	0	4	0	4	0	4	0	4	0	4
--	--	--	---	---	---	---	---	---	---	---	---	---	---

TOTAL USMC ENLISTED BILLETS:

Fleet Support			142	0	142	0	142	0	142	0	142	0	142
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Staff			2	0	2	0	2	0	2	0	2	0	2
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Chargeable Student			4	0	4	0	4	0	4	0	4	0	4
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II.B. PERSONNEL REQUIREMENTS

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: M-102-6423, USMC Miniature Electronic / Instrument / Cable Repair Intermediate Maintenance

COURSE LENGTH: 6.0 Weeks

ATTRITION FACTOR: USMC: 0%

BACKOUT FACTOR: 0.12

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY02		FY03		FY04		FY05		FY06	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1011 NAMTRAU Jacksonville	USMC	USMC		13		13		13		13		13
		AR		2		2		2		2		2
MTU 3011 NAMTRAGRU DET Miramar	USMC	USMC		17		17		17		17		17
		AR		1		1		1		1		1
		TOTAL:		33		33		33		33		33

CIN, COURSE TITLE: D-602-5062, Aircraft Sealed Instrument Intermediate Maintenance

COURSE LENGTH: 6.0 Weeks

ATTRITION FACTOR: Navy: 10%

NAVY TOUR LENGTH: 36 Months

BACKOUT FACTOR: 0.12

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY02		FY03		FY04		FY05		FY06	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1011 NAMTRAU Jacksonville	NAVY	ACDU		24		24		24		24		24
		TAR		4		4		4		4		4
		SELRES		0		1		0		0		0
		TOTAL:		28		29		28		28		28

CIN, COURSE TITLE: E-602-5062, Aircraft Sealed Instrument Intermediate Maintenance

COURSE LENGTH: 6.0 Weeks

ATTRITION FACTOR: Navy: 10%

NAVY TOUR LENGTH: 36 Months

BACKOUT FACTOR: 0.12

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY02		FY03		FY04		FY05		FY06	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 3011 NAMTRAGRU DET Miramar	NAVY	ACDU		17		17		16		16		16
		TAR		2		2		2		2		2
		TOTAL:		19		19		18		18		18

PART III - TRAINING REQUIREMENTS

The following elements are not affected by the Instrument Repair Program and, therefore, are not included in Part III of this NTSP:

III.A.1. Initial Training Requirements

III.A.2.b. Planned Courses

III.A.2.c. Unique Courses

III.A.3. Existing Training Phased Out

PART III - TRAINING REQUIREMENTS

III.A. TRAINING COURSE REQUIREMENTS

III.A.2. FOLLOW-ON TRAINING

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: M-102-6423, USMC Miniature Electronic / Instrument / Cable Repair Intermediate Maintenance
TRAINING ACTIVITY: MTU 1011 NAMTRAU
LOCATION, UIC: NAS Jacksonville, 39469

SOURCE: USMC **STUDENT CATEGORY:** USMC - AR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	15		15		15		15		15	ATIR
	15		15		15		15		15	Output
	1.6		1.6		1.6		1.6		1.6	AOB
	1.6		1.6		1.6		1.6		1.6	Chargeable

TRAINING ACTIVITY: NAMTRA MARUNIT
LOCATION, UIC: MCAS Miramar, 39473

SOURCE: USMC **STUDENT CATEGORY:** USMC - AR

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

CIN, COURSE TITLE: D-602-5062, Aircraft Sealed Instrument Intermediate Maintenance
TRAINING ACTIVITY: MTU 1011 NAMTRAU
LOCATION, UIC: NAS Jacksonville, 39469

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

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	28		28		28		28		28	ATIR
	25		25		25		25		25	Output
	2.9		2.9		2.9		2.9		2.9	AOB
	2.9		2.9		2.9		2.9		2.9	Chargeable

III.A.2.a. EXISTING COURSES

SOURCE: NAVY **STUDENT CATEGORY:** SELRES

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

CIN, COURSE TITLE: E-602-5062, Aircraft Sealed Instrument Intermediate Maintenance
TRAINING ACTIVITY: NAMTRA MARUNIT
LOCATION, UIC: MCAS Miramar, 39473

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

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
19		19		18		18		18		ATIR
17		17		16		16		16		Output
2.0		2.0		1.9		1.9		1.9		AOB
2.0		2.0		1.9		1.9		1.9		Chargeable

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

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

IV.A. Training Hardware

IV.A.2. Training Devices

IV.B.1. Training Services

IV.C. Facility Requirements

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

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

IV.C.3. Facility Project Summary by Program

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

IV.A. TRAINING HARDWARE

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

CIN, COURSE TITLE: C-602-3019, Aircraft Sealed Instrument Repair Intermediate Maintenance (Tracks D-602-5062 and M-102-6423)

TRAINING ACTIVITY: MTU 1011 NAMTRAU

LOCATION, UIC: Jacksonville, 39469

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
0001	Indicator Special, 10004-0001A	15	Jun 96	GFE	Onboard
0002	Attitude Indicator, 276111	15	Jun 96	GFE	Onboard
0003	Fuel Quantity Indicator, 393003-05233	15	Jun 96	GFE	Onboard
0004	Barometric Altimeter Indicator, C4154210003	15	Jun 96	GFE	Onboard
0005	Clock, 400236	15	Jun 96	GFE	Onboard
0006	Indicator Special, SLZ9940	15	Jun 96	GFE	Onboard
0007	Tachometer, 78035-01118	15	Jun 96	GFE	Onboard
0008	Bearing Indicator, 104840	15	Jun 96	GFE	Onboard
GPTE					
0025	Test Set Indicator, SLZ9589A	1	Jun 96	GFE	Onboard
0026	Test Set Computer, TA1157	1	Jun 96	GFE	Onboard
0027	Test Set Fuel Quantity, 361-046-001	1	Jun 96	GFE	Onboard
0028	Cable Assembly, LT5258-01-01	1	Jun 96	GFE	Onboard
0029	Multimeter, Digital 34401A-102	1	Jun 96	GFE	Onboard
0030	Oscilloscope, TDS320-02-NV	2	Jun 96	GFE	Onboard
0031	Frequency Counter, 5334B-030-H05-907-910	1	Jun 96	GFE	Onboard
0032	Ohmmeter, RIM-A	1	Jun 96	GFE	Onboard
0033	Tachometer Tester CA-11-FCS	1	Jun 96	GFE	Onboard
0034	Resistance Box, 1433-9712	1	Jun 96	GFE	Onboard
0035	Test Set Semiconductor, 2000B	1	Jun 96	GFE	Onboard

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

0036	Barometer Aneroid, MIL-B-17896	1	Jun 96	GFE	Onboard
0037	Multimeter, 77BN	3	Jun 96	GFE	Onboard
0038	Test Set Indicator 106200-002	1	Jun 96	GFE	Pending*
0039	Clock Calibrator, B200A	1	Jun 96	GFE	Onboard
0040	Millivolt Potentiometer, 720350	1	Jun 96	GFE	Onboard
0041	Test Set Pneumatic, 18910480008	1	Jun 96	GFE	Onboard
ST					
0075	Vacuum Oven, 1410	1	Jun 96	GFE	Onboard
0076	Induction Generator, FS-5000	1	Jun 96	GFE	Onboard
0077	Environmental Chamber	1	Jun 96	GFE	Onboard
0078	Hot Plate, Electric, W-H-636	2	Jun 96	GFE	Onboard
0079	Distribution Box, 63A114F12	4	Jun 96	GFE	Onboard
0080	Gauge, Gram, 589GA016	2	Jun 96	GFE	Onboard
0081	Tool Kit, Avionics, 1127AS124	7	Jun 96	GFE	Onboard
0082	Power Supply, 1127AS125	2	Jun 96	GFE	Onboard
0083	Solder Extractor Tool, 1127AS100-1	2	Jun 96	GFE	Onboard
0084	Solder Extractor Component, 1127AS115	2	Jun 96	GFE	Onboard
0085	Sonic Cleaner, Model 320DGE	2	Jun 96	GFE	Onboard
0086	Block, Bench Handling AAU-21	7	Jun 96	GFE	Onboard
0087	Static Control, 8013	7	Jun 96	GFE	Onboard
0088	Induction Coils, 864200-30	1	Jun 96	GFE	Onboard
0089	Induction Coils, 864200-50	1	Jun 96	GFE	Onboard
0090	Induction Coils, 864200-60	1	Jun 96	GFE	Onboard
0091	Cabinet, Laminar Flow, NU-301-624	3	Jun 96	GFE	Onboard
0092	2.5" Coil, 864200-20	1	Jun 96	GFE	Onboard
0093	High Vacuum Pump, 898000	1	Jun 96	GFE	Onboard
0094	Power Supply, PS1A	1	Jun 96	GFE	Onboard
0095	Valve, Regulator, 104-266	1	Jun 96	GFE	Onboard

* Procurement of Test Set Indicator 106200-002 pending funding.

0096 Valve, Globe, 232694-3360

2 Jun 96 GFE Onboard

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

0097	Transformer, Variable, W10MT3A	2	Jun 96	GFE	Onboard
0098	Valve, Regulator 2-Stage, 2068	1	Jun 96	GFE	Onboard
0099	Valve, Purge, B-1GF2	5	Jun 96	GFE	Onboard
0100	Valve, Shut-Off, SG-5404	1	Jun 96	GFE	Onboard
0101	Valve, Regulator, TSA15580	1	Jun 96	GFE	Onboard
0102	Cylinder, RR-C-901/1	2	Jun 96	GFE	Onboard
0103	Regulator, SSC5	1	Jun 96	GFE	Onboard

CIN, COURSE TITLE: C-602-3019, Aircraft Sealed Instrument Repair Intermediate Maintenance (Tracks E-602-5062 and M-102-6423)

TRAINING ACTIVITY: NAMTRA MARUNIT

LOCATION, UIC: MCAS Miramar, California, 39473

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
0001	Indicator Special, 10004-0001A	15	Jun 96	GFE	Onboard
0002	Attitude Indicator, 276111	15	Jun 96	GFE	Onboard
0003	Fuel Quantity Indicator, 393003-05233	15	Jun 96	GFE	Onboard
0004	Barometric Altimeter Indicator, C4154210003	15	Jun 96	GFE	Onboard
0005	Clock, 400236	15	Jun 96	GFE	Onboard
0006	Indicator Special, SLZ9940	15	Jun 96	GFE	Onboard
0007	Tachometer, 78035-01118	15	Jun 96	GFE	Onboard
0008	Bearing Indicator, 104840	15	Jun 96	GFE	Onboard
GPTE					
0025	Test Set Indicator, SLZ9589A	1	Jun 96	GFE	Onboard
0026	Test Set Computer, TA1157	1	Jun 96	GFE	Onboard
0027	Test Set Fuel Quantity, 361-046-001	1	Jun 96	GFE	Onboard
0028	Cable Assembly, LT5258-01-01	1	Jun 96	GFE	Onboard
0029	Multimeter, Digital 34401A-102	1	Jun 96	GFE	Onboard
0030	Oscilloscope, TDS320-02-NV	2	Jun 96	GFE	Onboard
0031	Frequency Counter, 5334B-030-H05-907-910	1	Jun 96	GFE	Onboard
0032	Ohmmeter, RIM-A	1	Jun 96	GFE	Onboard

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

0033	Tachometer Tester CA-11-FCS	1	Jun 96	GFE	Onboard
0034	Resistance Box, 1433-9712	1	Jun 96	GFE	Onboard
0035	Test Set Semiconductor, 2000B	1	Jun 96	GFE	Onboard
0036	Barometer Aneroid, MIL-B-17896	1	Jun 96	GFE	Onboard
0037	Multimeter, 77BN	3	Jun 96	GFE	Onboard
0038	Test Set Indicator 106200-002	1	Jun 96	GFE	Pending*
0039	Clock Calibrator, B200A	1	Jun 96	GFE	Onboard
0040	Millivolt Potentiometer, 720350	1	Jun 96	GFE	Onboard
0041	Test Set Pneumatic, 18910480008	1	Jun 96	GFE	Onboard
ST					
0075	Vacuum Oven, 1410	1	Jun 96	GFE	Onboard
0076	Induction Generator, FS-5000	1	Jun 96	GFE	Onboard
0077	Environmental Chamber	1	Jun 96	GFE	Onboard
0078	Hot Plate, Electric, W-H-636	2	Jun 96	GFE	Onboard
0079	Distribution Box, 63A114F12	4	Jun 96	GFE	Onboard
0080	Gauge, Gram, 589GA016	2	Jun 96	GFE	Onboard
0081	Tool Kit, Avionics, 1127AS124	7	Jun 96	GFE	Onboard
0082	Power Supply, 1127AS125	2	Jun 96	GFE	Onboard
0083	Solder Extractor Tool, 1127AS100-1	2	Jun 96	GFE	Onboard
0084	Solder Extractor Component, 1127AS115	2	Jun 96	GFE	Onboard
0085	Sonic Cleaner, Model 320DGE	2	Jun 96	GFE	Onboard
0086	Block, Bench Handling AAU-21	7	Jun 96	GFE	Onboard
0087	Static Control, 8013	7	Jun 96	GFE	Onboard
0088	Induction Coils, 864200-30	1	Jun 96	GFE	Onboard
0089	Induction Coils, 864200-50	1	Jun 96	GFE	Onboard
0090	Induction Coils, 864200-60	1	Jun 96	GFE	Onboard
0091	Cabinet, Laminar Flow, NU-301-624	3	Jun 96	GFE	Onboard
0092	2.5" Coil, 864200-20	1	Jun 96	GFE	Onboard

* Procurement of Test Set Indicator 106200-002 pending funding.

0093 High Vacuum Pump, 898000

1 Jun 96 GFE Onboard

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

0094	Power Supply, PS1A	1	Jun 96	GFE	Onboard
0095	Valve, Regulator, 104-266	1	Jun 96	GFE	Onboard
0096	Valve, Globe, 232694-3360	2	Jun 96	GFE	Onboard
0097	Transformer, Variable, W10MT3A	2	Jun 96	GFE	Onboard
0098	Valve, Regulator 2-Stage, 2068	1	Jun 96	GFE	Onboard
0099	Valve, Purge, B-1GF2	5	Jun 96	GFE	Onboard
0100	Valve, Shut-Off, SG-5404	1	Jun 96	GFE	Onboard
0101	Valve, Regulator, TSA15580	1	Jun 96	GFE	Onboard
0102	Cylinder, RR-C-901/1	2	Jun 96	GFE	Onboard
0103	Regulator, SSC5	1	Jun 96	GFE	Onboard

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

CIN, COURSE TITLE: C-602-3019, Aircraft Sealed Instrument Repair Intermediate Maintenance (Tracks D-602-5062 and M-102-6423)

TRAINING ACTIVITY: MTU 1011 NAMTRAU

LOCATION, UIC: Jacksonville, 39469

TYPES OF MATERIAL OR AID	QTY	DATE	STATUS
	REQD	REQD	
Projector Screen, Part Number 4H1D	1	Jun 96	Onboard
Projector Slide, Part Number 4A9	1	Jun 96	Onboard
Slide Set, Aircraft Sealed Instrument Repair Intermediate Maintenance (#1-112)	1 Set	Jun 96	Onboard
Trainee Guide, C-602-3019A	6	Jun 96	Onboard
Videotape 803784DN, ESD The Invisible Threat	1	Jun 96	Onboard

CIN, COURSE TITLE: C-602-3019, Aircraft Sealed Instrument Repair Intermediate Maintenance (Tracks E-602-5062 and M-102-6423)

TRAINING ACTIVITY: NAMTRA MARUNIT

LOCATION, UIC: MCAS Miramar, California, 39473

TYPES OF MATERIAL OR AID	QTY	DATE	STATUS
	REQD	REQD	
Projector Screen, Part Number 4H1D	1	Jun 96	Onboard
Projector Slide, Part Number 4A9	1	Jun 96	Onboard
Slide Set, Aircraft Sealed Instrument Repair Intermediate Maintenance (#1-112)	1 Set	Jun 96	Onboard
Trainee Guide, C-602-3019A	6	Jun 96	Onboard
Videotape 803784DN, ESD The Invisible Threat	1	Jun 96	Onboard

IV.B.3. TECHNICAL MANUALS

CIN, COURSE TITLE: C-602-3019, Aircraft Sealed Instrument Repair Intermediate Maintenance (Tracks D-602-5062 and M-102-6423)

TRAINING ACTIVITY: MTU 1011 NAMTRAU

LOCATION, UIC : Jacksonville, 39469

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
AN-000A0-510-000 Technical Manual, General Series Manual, Unsealing, Sealing and Glass Replacement of Hermetically Sealed Aircraft Instruments	Hard copy	6	Jun 96	Onboard
MSDS-BDNYC Material Safety Data Sheet, Lubricating Oil, Watch, MIL-L-3918A	Hard copy	1	Jun 96	Onboard
MSDS-BDRVH Material Safety Data Sheet, Lubricating Oil, Watch Rinsing Solution, O-C-435 Type II	Hard copy	1	Jun 96	Onboard
MSDS-BFMYD Material Safety Data Sheet, Soldering Flux #1544 MIL-F-142560	Hard copy	1	Jun 96	Onboard
MSDS-BGCVP Material Safety Data Sheet, Krytox 240AZ, Fluorinated Grease, MIL-G-27617D	Hard copy	1	Jun 96	Onboard
MSDS-BGXCN Material Safety Data Sheet, Watch Cleaning Solution	Hard copy	1	Jun 96	Onboard
MSDS-BHBYL Material Safety Data Sheet, Isopropyl Alcohol, TT-I-735	Hard copy	1	Jun 96	Onboard
MSDS-BHGZL Material Safety Data Sheet, Nitrogen, Gaseous, BB-N-411 Type I	Hard copy	1	Jun 96	Onboard
MSDS-BHHVH Material Safety Data Sheet, Grease, Aircraft and Instrument, MIL-G-23827	Hard copy	1	Jun 96	Onboard
MSDS-BJMGP Material Safety Data Sheet, 63/37 Rosin Core Solder, QQ-S-571	Hard copy	1	Jun 96	Onboard
MSDS-BJZNV Material Safety Data Sheet, PD-680 Type II	Hard copy	1	Jun 96	Onboard
MSDS-BRFMN Material Safety Data Sheet, Lubricating Oil, Instrument MIL-L-6085	Hard copy	1	Jun 96	Onboard

IV.B.3. TECHNICAL MANUALS

NA 00-25-100 Technical Manual, Naval Air Systems Command, Technical Manual Program	Hard copy	1	Jun 96	Onboard
NA 00-500A Technical Manual, Naval Aeronautical Publication Index Applicability List	Hard copy	1	Jun 96	Onboard
NA 01-1A-23 Technical Manual, Standard Maintenance Practices, Electronic Assembly Repair	Hard copy	6	Jun 96	Onboard
NA 01-1A-503 Technical Manual, Maintenance of Aeronautical Anti-friction Bearings for Organizational, Intermediate and Depot Level Maintenance	Hard copy	6	Jun 96	Onboard
NA 05-20-125 Technical Manual, Maintenance Depot Maintenance Instructions, Indicator-Electrical Tachometer, 8DJ81CAN4	Hard copy	6	Jun 96	Onboard
NA 05-20BEA-3 Technical Manual, Maintenance Instruction, Depot, Attitude- Director Indicator ID-1329/A and ID-1329A/A	Hard copy	6	Jun 96	Onboard
NA 05-20NB-57 Technical Manual, Maintenance Depot Maintenance with Illustrated Parts Breakdown, Angle of Attack Indicator, SLZ-9940	Hard copy	6	Jun 96	Onboard
NA 05-30-15 Handbook of Overhaul Instructions, Altimeters	Hard copy	1	Jun 96	Onboard
NA 05-30-91 Technical Manual, Intermediate Maintenance Instructions, Altimeter-Encoder, AAU-21/A	Hard copy	6	Jun 96	Onboard
NA 05-30-91 Technical Manual, Maintenance Instructions, Altimeter-Encoder, AAU-21/A	Hard copy	6	Jun 96	Onboard
NA 05-35A-35 Technical Manual, Maintenance Depot Maintenance with Illustrated Parts Breakdown, Aircraft Clock 400236	Hard copy	6	Jun 96	Onboard
NA 05-40BE-3 Technical Manual, Depot Maintenance Instructions, Turbine Inlet Temperature Indicator BH183R-58A	Hard copy	6	Jun 96	Onboard

IV.B.3. TECHNICAL MANUALS

NA 05-40HA-21 Technical Manual, Overhaul Instructions, Horizontal Situation Indicator Type ID-1540/A	Hard copy	6	Jun 96	Onboard
NA 05-65AB-78 Technical Manual, Overhaul Instructions, Fuel Quantity Indicator Assembly 393003-05233	Hard copy	6	Jun 96	Onboard
NA 05-65AE-138 Depot Maintenance Manual, Torquemeter Indicator	Hard copy	1	Jun 96	Onboard
NA 17-15A-37 Technical Manual, Overhaul Instructions, Indicator Models BH-187B-1 and BH187B-57	Hard copy	1	Jun 96	Onboard
NA 17-15BD-45 Test Set, Fuel Quantity-Gage Capacitance Type TTU-378A/E Operating Instructions	Hard copy	1	Jun 96	Onboard
NA 17-20AE-35 Technical Manual, Instrument Calibration Procedures Manual, Portable Millivolt Potentiometers	Hard copy	1	Jun 96	Onboard
NAVEDTRA 10087-C1 Basic Electronics Volume 2	Hard copy	1	Jun 96	Onboard
NAVEDTRA 10193-D Instrumentmen 3 & 2	Hard copy	1	Jun 96	Onboard
NAVEDTRA 10348-G Aviation Electrician's Mate 3 & 2	Hard copy	1	Jun 96	Onboard
NAVEDTRA 172-08-00-82 Navy Electricity and Electronics Training Series, Module 8-Introduction to Amplifiers	Hard copy	1	Jun 96	Onboard
NAVEDTRA 172-09-00-83 Navy Electricity and Electronics Training Series, Module 9-Introduction to Wave-Generation and Wave-Shaping Circuits	Hard copy	1	Jun 96	Onboard
NAVEDTRA 172-16-00-84 Navy Electricity and Electronics Training Series, Module 16-Introduction to Test Equipment	Hard copy	1	Jun 96	Onboard
NAVEDTRA B72-05-00-94 Navy Electricity and Electronics Training Series, Module 5-Introduction to Generators and Motors	Hard copy	1	Jun 96	Onboard

IV.B.3. TECHNICAL MANUALS

NAVEDTRA B72-07-00-92 Navy Electricity and Electronics Training Series, Module 7-Introduction to Solid State Devices and Power Supplies	Hard copy	1	Jun 96	Onboard
NAVEDTRA B72-15-00-93 Navy Electricity and Electronics Training Series, Module 15-Principles of Synchros, Servos, and Gyros	Hard copy	1	Jun 96	Onboard
NAVPERS 10087-C Basic Electronics Volume 1	Hard copy	1	Jun 96	Onboard
NAVPERS 10105 Synchro, Servo, and Gyro Fundamentals	Hard copy	1	Jun 96	Onboard

CIN, COURSE TITLE: C-602-3019, Aircraft Sealed Instrument Repair Intermediate Maintenance (Tracks E-602-5062 and M-102-6423)

TRAINING ACTIVITY: NAMTRA MARUNIT

LOCATION, UIC : MCAS Miramar, California, 39473

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
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MSDS-BDRVH Material Safety Data Sheet, Lubricating Oil, Watch Rinsing Solution, O-C-435 Type II	Hard copy	1	Jun 96	Onboard
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MSDS-BGXCN Material Safety Data Sheet, Watch Cleaning Solution	Hard copy	1	Jun 96	Onboard
MSDS-BHBYL Material Safety Data Sheet, Isopropyl Alcohol, TT-I-735	Hard copy	1	Jun 96	Onboard
MSDS-BHGZL Material Safety Data Sheet, Nitrogen, Gaseous, BB-N-411 Type I	Hard copy	1	Jun 96	Onboard

IV.B.3. TECHNICAL MANUALS

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NA 05-20NB-57 Technical Manual, Maintenance Depot Maintenance with Illustrated Parts Breakdown, Angle of Attack Indicator, SLZ-9940	Hard copy	6	Jun 96	Onboard
NA 05-30-15 Handbook of Overhaul Instructions, Altimeters	Hard copy	1	Jun 96	Onboard
NA 05-30-91 Technical Manual, Maintenance Instructions, Altimeter-Encoder, AAU-21/A	Hard copy	6	Jun 96	Onboard

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IV.B.3. TECHNICAL MANUALS

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NAVEDTRA 172-16-00-84 Navy Electricity and Electronics Training Series, Module 16-Introduction to Test Equipment	Hard copy	1	Jun 96	Onboard
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NAVPERS 10105 Synchro, Servo, and Gyro Fundamentals	Hard copy	1	Jun 96	Onboard

PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
PDA	Began Fleet Introduction for Instrument Repair	FY79	Completed
PDA	Conducted Analysis of Manpower Personnel and Training Requirements	FY83	Completed
TSA	Began Instrument Repair Curricula Materials delivery	FY87	Completed
TSA	Began Instrument Repair TTE delivery	FY87	Completed*
TSA	Began Instrument Repair Follow-On Training	FY88	Completed
PDA	Updated Instrument Repair NTSP	Jul 01	Completed
PDA	Distribute Draft NTSP for Review	Aug 01	Completed
PDA	Develop Proposed NTSP	Feb 02	Completed
OPO	Approve NTSP	Apr 02	Completed

* All required TTE has been delivered with the exception of TTE numbers 0038, Test Set Indicator 106200-002.

PART VI - DECISION ITEMS / ACTION REQUIRED

DECISION ITEM OR ACTION REQUIRED	COMMAND ACTION	DUE DATE	STATUS
MTU 1011 and NAMTRA MARUNIT Miramar are authorized an Indicator Test Set, Part Number 106200-002, C-602-3019 Equipment Requirement List - Item C00025. MTRR (November 2000) Action Task Item 620.00MTRR.5062.01 indicates "Research and determine the status of equipment shortage."	CNET	Open	Pending*

* Pending funding per CNET ETSO.

PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
CAPT Owen Fletcher Deputy Aviation Maintenance Programs CNO, N781B fletcher.owen@hq.navy.mil	COMM: (703) 604-7747 DSN: 664-7747 FAX: (703) 604-6972
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CAPT Terry Merritt Head, Aviation Technical Training Branch CNO, N789H merritt.terry@hq.navy.mil	COMM: (703) 604-7730 DSN: 664-7730 FAX: (703) 604-6939
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CDR Kevin Neary Aviation Manpower CNO, N122C1 n122c1@bupers.navy.mil	COMM: (703) 695-3247 DSN: 225-3247 FAX: (703) 614-5308
Mr. Robert Zweibel Training Technology Policy CNO, N795K zweibel.robert@hq.navy.mil	COMM: (703) 602-5151 DSN: 332-5151 FAX: (703) 602-5175
COL David L Barraclough, USMC Branch Head, USMC Aviation Manpower Management CMC, ASM-1 barracloughdl@hqmc.usmc.mil	COMM: (703) 614-1244 DSN: 224-1244 FAX: (703) 614-1309
LTCOL Angela Clingman, USMC USMC Aircraft Maintenance Officer CMC, ASL-33 clingmanab@hqmc.usmc.mil	COMM: (703) 614-1187 DSN: 224-1187 FAX: (703) 697-7343
Mr. Jay Losee Instrument Repair Program Manager NAVAIRSYSCOM, PMA260-C12 lossejd@navair.navy.mil	COMM: (301) 757-6874 DSN: 757-6874 FAX: (301) 757-6862
ATC Rick Paskoski Training Systems Manager NAVAIRSYSCOM, PMA205-3E3 paskoskira@navair.navy.mil	COMM: (301) 757-8138 DSN: 757-8138 FAX: (301) 757-6945

PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
<p>AZCM Kevin Green AMTCS Training Systems Manager NAVAIRSYSCOM, PMA205-3D3 greenkl@navair.navy.mil</p>	<p>COMM: (301) 757-8120 DSN: 757-8120 FAX: (301) 757-6941</p>
<p>CDR Mike Hohl Aviation NTSP Point of Contact CINCLANTFLT, N731 hohlmj@clf.navy.mil</p>	<p>COMM: (757) 836-0085 DSN: 836-0085 FAX: (757) 836-6737</p>
<p>CAPT Pat Salsman Branch Head, Training Requirements and Assessments CINCLANTFLT, N72 salsmancp@clf.navy.mil</p>	<p>COMM: (757) 836-6495 DSN: 836-6495 FAX: (757) 836-6737</p>
<p>Mr. Bob Long Deputy Director for Training CINCPACFLT, N70 longrh@cpf.navy.mil</p>	<p>COMM: (808) 471-8513 DSN: 471-8513 FAX: (808) 471-8596</p>
<p>YN1 Dashawn Simmons Selected Reservist Quota Control COMNAVAIRESFOR, N-333 simmonsdcnrf.nola.navy.mil</p>	<p>COMM: (504) 678-1850 DSN: 678-1850 FAX: (504) 678-5064</p>
<p>CAPT Patricia Huiatt Deputy Assistant, Chief of Naval Personnel for Distribution NAVPERSCOM, PERS-4B p4b@persnet.navy.mil</p>	<p>COMM: (901) 874-3529 DSN: 882-3529 FAX: (901) 874-2606</p>
<p>CDR Timothy Ferree Branch Head, Aviation Enlisted Assignments NAVPERSCOM, PERS-404 p404@persnet.navy.mil</p>	<p>COMM: (901) 874-3691 DSN: 882-3691 FAX: (901) 874-2642</p>
<p>MAJ Henry Domingue, USMC Head, ACE Branch, TFS Division MCCDC, C5325A dominguehj@mccdc.usmc.mil</p>	<p>COMM: (703) 784-6241 DSN: 278-6241 FAX: (703) 784-6072</p>
<p>MSGT Anthony Rahatt, USMC USMC AMTCS Coordinator MCCDC, C473 rahattb@tecom.usmc.mil</p>	<p>COMM: (703) 784-6879 DSN: 278-6879 FAX: (703) 784-3729</p>
<p>MSGT Jerry Moore, USMC USMC MATMEP Coordinator MCCDC, C473 moorej1@tecom.usmc.mil</p>	<p>COMM: (703) 784-3710 DSN: 278-3710 FAX: (703) 784-3729</p>

PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
<p>LCDR Gordon Lowry Aviation Department Head NAVMAC, 30 raymond.lowry@navmac.navy.mil</p>	<p>COMM: (901) 874-6218 DSN: 882-6218 FAX: (901) 874-6471</p>
<p>AKC Tina Jacobs NTSP Coordinator NAVMAC, 32 Pathina.jacobs@navmac.navy.mil</p>	<p>COMM: (901) 874-6483 DSN: 882-6483 FAX: (901) 874-6471</p>
<p>CAPT Grant Ziebell CNET NTSP Coordination CNET ETS3 capt-grant.ziebell@cnet.navy.mil</p>	<p>COMM: (850) 452-4330 DSN: 922-4330 FAX: (850) 452-4853</p>
<p>Mr. Steve Berk CNET NTSP Distribution CNET, ETS-23 stephen-g.berk@cnet.navy.mil</p>	<p>COMM: (850) 452-8919 DSN: 922-8919 FAX: (850) 452-4853</p>
<p>CDR Erich Blunt Aviation Technical Training CNET, ETE-32 cdr-erich.blunt@cnet.navy.mil</p>	<p>COMM: (850) 452-4915 DSN: 922-4915 FAX: (850) 452-4901</p>
<p>AVCM Rick Reed Technical Coordinator NAMTRAGRU HQ, N2213 avcm-richard.l.reed@cnet.navy.mil</p>	<p>COMM: (850) 452-9708 ext. 244 DSN: 922-9708 ext. 244 FAX: (850) 452-9965</p>
<p>Ms. Christine Schuster Instrument Repair Curriculum Manager NAMTRAGRU HQ, N5108 christine.m.schuster@cnet.navy.mil</p>	<p>COMM: (850) 452-9708 ext. 204 DSN: 922-9708 ext. 204 FAX: (850) 452-9952</p>
<p>LCDR Rick Lawson NTSP Manager COMOPTEVFOR, 533 lawsonr@cotg.navy.mil</p>	<p>COMM: (757) 444-5087 ext. 3354 DSN: 564-5087 ext. 3354 FAX: (757) 444-3820</p>
<p>Mr. Phil Szczyglowski Competency Manager NAVAIRSYSCOM, AIR 3.4.1 szczyglowspr@navair.navy.mil</p>	<p>COMM: (301) 757-8280 DSN: 757-8280 FAX: (301) 342-7737</p>
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