NAVY TRAINING SYSTEM PLAN

FOR THE

ADVANCED COMPOSITE

MATERIAL REPAIR PROGRAM

N88-NTSP-A-50-8404E/D

MARCH 2004

ADVANCED COMPOSITE MATERIAL REPAIR PROGRAM

EXECUTIVE SUMMARY

Advanced composite materials are used extensively in Navy and Marine Corps aircraft and will continue to be used increasingly in future aircraft. The objective of this program is to develop a training progression for Navy and Marine Corps Aviation Structural Mechanics that leads to proficient intermediate level repair of advanced composite materials. Advanced Composite Material Repair (ACMR) at the organizational level is limited; however, recent development efforts for the F/A-18 and V-22 have centered on providing as much composite repair capability to the lowest level of maintenance possible. For organizational level ACMR manpower and training requirements refer to the appropriate aircraft Navy Training System Plan. This document only addresses ACMR intermediate level maintenance, manpower, and training requirements. The ACMR program is in the final acquisition phase, Production, Deployment, and Operational Support (Phase III). Initial Operating Capability was reached in August 1988.

Advanced composite materials have replaced some metallic materials in many aircraft structures. The technology for advanced composite materials is still evolving even though these materials have been in use for several years. New information and techniques are continually added to the current level of knowledge and skills. Advanced composite materials are used in the AH-1W, AV-8B, CH-53E, HH-60H, F/A-18A/B/C/D/E/F, CH-46D/E, MH-53E, SH-60B/F, MH-60R/S, VH-60, and V-22 aircraft.

Advanced composite materials are repaired by Navy Aviation Structural Mechanics (AM) with Navy Enlisted Classification code 7232, and Marine Corps *Aircraft Intermediate Level Structures Mechanic*, Military Occupational Specialty 6092.

The AM A1 school curriculum provides all prospective aircraft structural mechanics with theory of advanced composites. Additionally, the specific ACMR course, C-603-3868, is available in the Airframes Intermediate Maintenance training track, D/E-603-4007. This ACMR intermediate maintenance training course is taught at Maintenance Training Unit (MTU) 1038 Center for Naval Aviation Technical Training Unit (CNATTU) Lemoore, California, and MTU 1039 CNATTU Oceana, Virginia.

ADVANCED COMPOSITE MATERIAL REPAIR PROGRAM

TABLE OF CONTENTS

	Page
Executive Summary	i
List of Acronyms	iv
Preface	vii
PART I - TECHNICAL PROGRAM DATA	
A. Nomenclature-Title-Program	I-1
B. Security Classification	I-1
C. Manpower, Personnel, and Training Principals	I-1
D. System Description	I-2
E. Developmental Test and Operational Test	I-2
F. Aircraft and/or Equipment/System/Subsystem Replaced	I-2
G. Description of New Development	I-2
H. Concepts	I-4
1. Operational	I-4
2. Maintenance	I-4
3. Manning	I-5
4. Training	I-10
I. Onboard (In-Service) Training	I-14
J. Logistics Support	I-16
K. Schedules	I-18
L. Government Furnished Equipment and Contractor-Furnished Equipment Training Requirements	I-19
M. Related NTSPs and Other Applicable Documents	I-19
PART II - BILLET AND PERSONNEL REQUIREMENTS	II-1
PART III - TRAINING REQUIREMENTS	III-1
PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS	IV-1
PART V - MPT MILESTONES	V-1
PART VI - DECISION ITEMS/ACTION REQUIRED	VI-1
PART VII - POINTS OF CONTACT	VII-1

ADVANCED COMPOSITE MATERIAL REPAIR PROGRAM

LIST OF ACRONYMS

ACDU	Active Duty
ACMR	Advanced Composite Material Repair
AFB	Air Force Base
AIMD	Aircraft Intermediate Maintenance Department
AM	Aviation Structural Mechanic
AMTCS	Aviation Maintenance Training Continuum System
AOB	Average Onboard
ASM	Aviation Maintenance Training Continuum System - Software Module
ATIR	Annual Training Input Requirement
CAI	Computer-Aided Instruction
CFA	Cognizant Field Activity
CFY	Current Fiscal Year
CIN	Course Identification Number
CMC	Commandant Marine Corps
CNATT	Center for Naval Aviation Technical Training
CNATTGRU	Center for Naval Aviation Technical Training Group
CNATTU	Center for Naval Aviation Technical Training Unit
CNO	Chief of Naval Operations
COMLANTFLT	Commander, U.S. Atlantic Fleet
COMNAVRESFOR	Commander, Naval Reserve Force
COMPACFLT	Commander, U.S. Pacific Fleet
DET	Detachment
DoD	Department of Defense
FST	Fleet Support Team
FY	Fiscal Year
GFE	Government Furnished Equipment
GPETE	General Purpose Electronics Test Equipment
GPTE	General Purpose Test Equipment
H&HS	Headquarters and Headquarters Squadron
HMH	Marine Heavy Helicopter Squadron
HMLA	Marine Helicopter Light Attack Squadron
HMM	Marine Medium Helicopter Squadron
HMT	Marine Helicopter Training Squadron
HMX	Marine Experimental Helicopter Squadron

ADVANCED COMPOSITE MATERIAL REPAIR PROGRAM

LIST OF ACRONYMS

HPRR	Human Performance Requirements Review
HSI	Human Systems Integration
ICW	Interactive Courseware
IMA	Intermediate Maintenance Activity
JRB	Joint Reserve Base
MAG	Marine Aircraft Group
MALS	Marine Aviation Logistics Squadron
MARCOR	Marine Corps
MATMEP	Maintenance Training Management and Evaluation Program
MAW	Marine Air Wing
MCAS	Marine Corps Air Station
MCCDC	Marine Corps Combat Development Command
MOS	Military Occupational Specialty
MTIP	Maintenance Training Improvement Program
MTU	Maintenance Training Unit
NA	Not Applicable
NADEP	Naval Aviation Depot
NAS	Naval Air Station
NAVAIR	Naval Air Systems Command
NAVMAC	Navy Manpower Analysis Center
NAVPERSCOM	Navy Personnel Command
NDI	Non-Destructive Inspection
NEC	Navy Enlisted Classification
NETC	Naval Education and Training Command
NTSP	Navy Training System Plan
OPNAV	Office of the Chief of Naval Operations
OPO	OPNAV Principal Official
PA	Practical Application
PDA	Principal Development Activity
PFY	Previous Fiscal Year
PJT	Practical Job Training
PMA	Program Manager, Air
PMOS	Primary Military Occupational Specialty

ADVANCED COMPOSITE MATERIAL REPAIR PROGRAM

LIST OF ACRONYMS

PNEC	Primary Navy Enlisted Classification
RFT	Ready For Training
SCORM	Sharable Content Object Reference Model
SEAOPDET	Sea Operational Detachment
SELRES	Selected Reserve
SMCR	Selective Marine Corps Reserve
SMOS	Secondary Military Occupational Specialty
SNEC	Secondary Navy Enlisted Classification
SPETE	Special Purpose Electronic Test Equipment
SPTE	Special Test Equipment
SRM	Structural Repair Manual
ST	Special Tool
TAR	Training and Administration of Reserves
TD	Training Device
TFS	Total Force Structure
T/O	Table of Organization
TTE	Technical Training Equipment
VAQ	Tactical Electronic Warfare Squadron
VMA	Marine Attack Squadron
VMAQ	Marine Electronic Warfare Squadron
VMAT	Marine Attack Training Squadron
VMFA	Marine Fighter Attack Squadron
VMFA (AW)	Marine All Weather Fighter Attack Squadron
VMFAT	Marine Fighter Attack Training Squadron
VMGR	Marine Aerial Refueled Transport Squadron
VMR	Marine Transport Squadron
VMRS	Vacuum Mold Repair System
USMC	United States Marine Corps

ADVANCED COMPOSITE MATERIAL REPAIR PROGRAM

PREFACE

This Draft Navy Training System Plan (NTSP) for the Advanced Composite Material Repair (ACMR) Program has been prepared to update the Approved NTSP, A-50-8404D/A, dated May 2001. This update complies with guidelines set forth in the Navy Training Requirements Documentation Manual, OPNAV Publication P-751-1-9-97. Changes and updates include:

- Updated training concept
- Updated manpower data
- Inclusion of Human Systems Integration (HSI) information
- Updated points of contact
- The term "Naval Aviation Maintenance Training" (CNATT) has been replaced by the "Center for Naval Aviation Technical Training" (CNATT).

PART I - TECHNICAL PROGRAM DATA

A. NOMENCLATURE-TITLE-PROGRAM

1. Nomenclature-Title-Acronym. Advanced Composite Material Repair (ACMR) Program

2. Program Element. Not Applicable (NA)

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 (N781C6)

Marine Corps Program Sponsor ..... CMC (ASL-33)

Developing Agency ..... NAVAIR (PMA205)

Training Agency ..... COMLANTFLT
COMPACFLT
CNATT

Training Support Agency..... NAVAIR (PMA205)

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

Director of Naval Training ..... CNO (N00T)

Marine Corps Force Structure..... MCCDC (C53)

D. SYSTEM DESCRIPTION

1. Operational Uses. The purpose of the ACMR Program is to provide trained Navy Aviation Structural Mechanics and Marine Corps Aircraft Intermediate Level Structures Mechanics in the repair of advanced composite materials at the intermediate maintenance level in Work Center 51F. This program focuses on the advanced composite materials used in the AH-1W, AV-8B, CH-53E, MH-53E, CH-46D/E, F/A-18A/B/C/D/E/F, HH-60H, MH-60R/S, SH-60B/F, VH-60, and V-22 aircraft.

2. Foreign Military Sales. NA

E. DEVELOPMENTAL TEST AND OPERATIONAL TEST.

Developmental and operational tests were not required as this is a maintenance procedure and not an aircraft or aircraft component, and the materials used in the repair operation are commercial-off-the-shelf.

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

G. DESCRIPTION OF NEW DEVELOPMENT

1. Functional Description. The use of composites like fiberglass is not new. However, the term "advanced composites" applies to carbon, boron, and Kevlar™, which have fibers of superior strength and stiffness. Advanced composite materials consist of a combination of high-strength, stiff fibers embedded in a common binding material (e.g., carbon fibers and epoxy resin). Composite structures are made of a number of different fiber and resin combinations. Plies of composite materials can be laminated in numbers from two to greater than 50, and may be bonded to a sub-structure such as aluminum, metallic or non-metallic honeycomb, or a monolithic structure. Composites provide a high strength-to-weight ratio and offer design flexibility.

The Navy is currently evaluating Lockheed Martin/Air Force developed Vacuum Mold Repair System (VMRS) system in conjunction with the Air Force. While parts of the system show promise, the current development tooling is extremely complicated and still constitutes much too large a footprint to be considered for shipboard use. These comments have been communicated to the Air Force VRMS development team.

The following Table lists advanced composite materials applications to the appropriate platform.

TABLE I-1 -ACMR AIRCRAFT APPLICATION

AIRCRAFT	ADVANCED COMPOSITE APPLICATION
AH-1W	*Carbon-Epoxy* - Engine Cowling, Tailpipe Fairing, Forward Fuselage - Interior and Exterior Panels and Bulkheads
AV-8B	*Carbon-Epoxy* - Wings, Horizontal Stabilizers, Over-wing Fairing, Forward Fuselage, and Control Surfaces *Carbon-Bismaleimide* - Lower Flap Skin and Strakes
CH-46D/E	*Carbon-Epoxy* - Stub Wings, Rotor Blade Spar
CH/MH-53E	*Kevlar™-Epoxy* - Upper and Lower Cockpit, Main and Tail Pylons, Sponson (MH-53E) *Carbon-Epoxy* - Sponson (MH-53E) *Boron-Epoxy* - Tail Rotor Blade
F/A-18A/B/C/D/E/F	*Carbon-Epoxy* - Wings, Horizontal and Vertical Stabilizers, and Access Doors
HH-60H, SH-60B/F, MH-60R/S, VH-60	*Kevlar™-Epoxy* - Main and Tail Rotor Pylons, Fairings, Doors, Access Panel and Covers *Carbon-Epoxy* - Tail Rotor Blade, Floor Panel
V-22	*Carbon-Epoxy* - Wing, Fuselage, Empennage, Nacelle, Rotor Blades, Access Doors and Panels *Carbon-Bismaleimide* - Nacelle

2. Physical Description. NA

3. New Development Introduction. The ACMR Program was introduced through the establishment of training to address the needs of the Navy and Marine Corps. This program continues to evolve as ACMR requirements are redefined, new techniques are developed, and training is updated to meet these needs.

4. Significant Interfaces. Currently, uncured epoxy-based materials have a very limited shelf life at room temperature; therefore, they must be freezer-stored. Storage facilities must be provided at all training facilities, activities, and ships that have custody of composite peculiar aircraft and components. All epoxy-based materials will be stored per Federal Regulations Code 29, CFR 1910.6 NFPA 30.

Advanced composite materials are susceptible to hidden impact damage. In some cases, the extent of damage is visually impossible to determine. Non-Destructive Inspection (NDI) is required to analyze the extent of damage and the effectiveness of repairs. Navy *Non-Destructive Inspection Technicians*, Navy Enlisted Classification (NEC) code 7225 and Marine Corps *Aircraft Nondestructive Inspection Technicians*, Military Occupational Specialty (MOS) 6033, receive training for NDI of composite materials in course *C-603-3191, Aircraft Nondestructive Inspection Technician Class C2*. For further information on NDI, refer to the NDI NTSP as listed in paragraph M of this NTSP.

5. New Features, Configurations, or Material. Efforts continue to be investigated both commercially and through the military in discovering methods to extend the shelf-life of current materials and in the use of alternate materials with a longer shelf-life at room temperature. Recent ACMR development efforts for the V-22 and F/A-18 aircraft have introduced new concepts that will benefit several Navy and Marine Corps aircraft (i.e., AH-1W, AV-8B, CH-53E, MH-53E, CH-46D/E, F/A-18A/B/C/D/E/F, and V-22 aircraft). These programs are coordinating in an attempt to standardize on common materials (e.g., low temperature curing and room temperature storable resins and adhesives), techniques (e.g., Double Vacuum bag Debulk (DVD) wet lay-up process), support equipment (the Naval Air Systems Command (NAVAIR) Lakehurst common composite hot-bonder and DVD tool are in development), and consumables. Current training curriculum will need to be updated to ensure these new developments are properly transitioned to the fleet.

H. CONCEPTS

1. Operational Concept. NA

2. Maintenance Concept

a. Organizational. Organizational level maintenance is performed in Work Center 120 by Navy Aviation Structural Mechanics (AM) and Marine Corps Aircraft Intermediate Level Structures Mechanics.

(1) Preventive Maintenance. Preventive Maintenance at the organizational level consists of corrosion inspections, treatment, and protection procedures.

(2) Corrective Maintenance. Corrective Maintenance consists of classifying the damaged area and determining if the size and location of the damage is within the authorized repair limits and what type of repair is required. Repairs authorized at this level include bonded repairs to scratches, dents, and gouges, and simple bolt-on repairs as listed in the respective aircraft Structural Repair Manual (SRM). Capabilities of organizational level personnel on emerging aircraft (e.g., F/A-18E/F and V-22), and aircraft in development (e.g., Joint Strike Fighter and Unmanned Combat Aerial Vehicle) will significantly increase.

b. Intermediate. Intermediate level ACMR is performed in Work Center 51F by Navy AM personnel with NEC 7232, and Marine Corps *Aircraft Intermediate Level Structures*

Mechanics, MOS 6092. Intermediate level maintenance consists of classifying the damaged area and determining if the damage is within the authorized limits. Most bonded structural repairs, repairs requiring special support equipment, and complex bolt-on repairs are accomplished at this level.

Navy and Marine Corps personnel assigned to the NDI Work Center 530 assist both organizational and intermediate maintenance activities in analyzing the extent of damage and verifying effectiveness of repairs. Intermediate level personnel communicate the characteristics of any damage that is beyond SRM limits to Fleet Support Team (FST) Engineers at the respective aircraft's Naval Aviation Depot (NADEP). FST Engineers provide customized repair procedures for the specific damaged area. If the repair processes are beyond the capabilities of intermediate level, the NADEP performs the repair.

c. Depot. The depot assigned as Cognizant Field Activity (CFA) for each aircraft type that uses composite materials has developed composite materials repair procedures in cooperation with the aircraft manufacturers. Depot level maintenance consists of repairing aircraft structures and components that are beyond the capability of the Intermediate Maintenance Activity (IMA). These repairs are accomplished using the aircraft SRM or depot and prime manufacturer developed repair procedures.

d. Interim Maintenance. NA

e. Life Cycle Maintenance Plan. NA

3. Manning Concept. Intermediate level maintenance is performed by Navy AM personnel with NEC 7232 and Marine Corps *Aircraft Intermediate Level Structures Mechanics*, MOS 6092.

Current manpower for Aviation Structural Mechanics at squadrons, Aircraft Intermediate Maintenance Departments (AIMD), and Marine Aviation Logistics Squadrons (MALS) are sufficient to support the maintenance requirements for advanced composite materials. However, not all trained AM 7232 personnel and Marine Corps *Aircraft Intermediate Level Structures Mechanics* (MOS 6092) are in billets that actually support the ACMR Program. Plans are currently underway to redefine the 7232 NEC as a composite repair only classification. Changes to manpower documents as a result of this redefinition will be reflected in updates to this NTSP. Manpower supporting ACMR was derived from Work Unit Code workload information associated with composite components on the aircraft listed in this document and Naval Aviation Logistics Data Analysis.

United States Marine Corps manpower data for the ACMR program was derived from Table of Organization (T/O) requirements, Total Force Structure, Marine Corps Combat Development Center. Applicable notes pertaining to manpower in support of ACMR were provided by Navy Manpower Analysis Center (NAVMAC) and are listed in Part II of this NTSP, Billet and Personnel Requirements. Specific Marine Corps T/Os used in the development of this NTSP are listed below:

TABLE I-2 - MARINE ACTIVITIES

ACTIVITY	T/O
HMH-461 MCAS New River	8960
HMH-464 MCAS New River	8960
HMH-772 NAS Willow Grove	8960A
HMLA-167 MCAS New River	8970
HMLA-269 MCAS New River	8970
HMLA-773 Marietta	8970C
HMLA-775 DET A Belle Chase	8970B
HMLA-775 DET A NAS Willow Grove	8970D
HMM-162 MCAS New River	8940
HMM-261 MCAS New River	8940
HMM-263 MCAS New River	8940
HMM-264 MCAS New River	8940
HMM-266 MCAS New River	8940
HMM-365 MCAS New River	8940
HMM-774 NAS Norfolk	8940B
HMT-302 MCAS New River	8591
HMX-1 MCAS Quantico	8990
MALS-14 Fixed Wing MCAS Cherry Point	8810
MALS-26 Fixed Wing MCAS New River	8810
MALS-26 Rotary Wing MCAS New River	8910
MALS-29 Rotary Wing MAG-29 MCAS New River	8910
MALS-31 Fixed Wing MCAS Beaufort	8810

ACTIVITY	T/O
MALS-42 Rotary Wing 4th MAW Marietta	8910A
MALS-49 Rotary Wing MAG-49 NAS Willow Grove	8910A
VMA-223 MCAS Cherry Point	8840
VMA-231 MCAS Cherry Point	8840
VMA-542 MCAS Cherry Point	8840
VMAQ-1 MAG-14 MCAS Cherry Point	8880
VMAQ-2 MAG-14 MCAS Cherry Point	8880
VMAQ-3 MAG-14 MCAS Cherry Point	8880
VMAQ-4 MAG-14 MCAS Cherry Point	8880
VMAT-203 MAG-14 MCAS Cherry Point	8582
VMFA-115 MCAS Beaufort	8830
VMFA-122 MCAS Beaufort	8830
VMFA-142 Marietta	8830A
VMFA-224 MCAS Beaufort	8840
VMFA-251 MCAS Beaufort	8830
VMFA-312 MCAS Beaufort	8830
VMFA-321 Andrews AFB	8830C
VMFA-332 MCAS Beaufort	8840
VMFA-533 MCAS Beaufort	8840
VMGR-252 Detachments A & B MAG-14 MCAS Cherry Point	8821
VMGR-452 MAG-49 DET A Fort Stewart	8820A
VMGRT-253 MAG-14 MCAS Cherry Point	8581
VMMT-204 MCAS New River	8595

ACTIVITY	T/O
VMR-1 MCAS Cherry Point	8344
F/A-18 FRS Permanent Personnel NAS Lemoore	8553
HMH-361, MCAS Miramar	8960
HMH-362 MCAS Kaneohe Bay	8950X
HMH-363 MCAS Kaneohe Bay	8950X
HMH-462 MCAS Miramar	8960
HMH-463 MCAS Kaneohe Bay	8950X
HMH-464 MCAS Miramar	8960
HMH-465 MCAS Miramar	8960
HMH-769 Edwards AFB	8960B
HMLA-169 MCAS Camp Pendleton	8970
HMLA-267 MCAS Camp Pendleton	8970
HMLA-367 MCAS Camp Pendleton	8970
HMLA-369 MCAS Camp Pendleton	8970
HMLA-775 MCAS Camp Pendleton	8970A
HMM-164 MCAS Camp Pendleton	8597
HMM-161 MCAS Miramar	8940
HMM-163 MCAS Miramar	8940
HMM-166 MCAS Miramar	8940
HMM-262 MCAS Futenma, Japan	8940
HMM-265 MCAS Futenma	8940
HMM-764 Edwards AFB	8940A
HMM165 MCAS Miramar	8940

ACTIVITY	T/O
HMT-301 MCAS Kaneohe Bay	8593
HMT-303 MAG-39 MCAS Camp Pendleton	8590
MALS-11 Fixed Wing MCAS Miramar	8810
MALS-12 Fixed Wing MCAS Iwakuni, Japan	8810
MALS-13 Fixed Wing MCAS Yuma	8810
MALS-16 Rotary Wing MCAS Miramar	8910
MALS-24 MAG-24 MCAS Kaneohe Bay	8910X
MALS-36 Rotary Wing MCAS Futenma	8910
MALS-39 Rotary Wing MCAS Camp Pendleton	8910
MALS-41 Fixed Wing JRB Fort Worth	8810A
VAQ-129 NAS Whidbey Island	8530
VMA-211 MCAS Yuma	8840
VMA-214 MCAS Yuma	8840
VMA-311 MCAS Yuma	8840
VMA-513 MCAS Yuma	8840
VMFA (AW) 121 MAG-11 MCAS Miramar	8840
VMFA-112 MAG-41 JRB Fort Worth	8830d
VMFA-134 MCAS Miramar	8830B
VMFA-212 MCAS Iwakuni	8830
VMFA-225 MCAS Miramar	8830
VMFA-232 MCAS Miramar	8830
VMFA-242 MCAS Miramar	8840
VMFA-314 MCAS Miramar	8830

ACTIVITY	T/O
VMFA-323 MCAS Kaneohe Bay	8830
VMFAT-101 MAG-11 MCAS Miramar	8580
VMGR-234 JRB Fort Worth	8820A
Historical Center, Washington, D.C.	5164
Marine Aviation Training Support Group NAS Pensacola	8221
CNATTGRU MARCOR Personnel, NAS Pensacola	8510
Naval Safety Center NAS Norfolk	5051
Naval Weapons Station Charleston	5050
H&HS 1st MAW MCAS Iwakuni	8321
H&HS MCAS Yuma 5	8361

4. Training Concept. Increased maintenance capabilities discussed under the Maintenance Concept above will be addressed in the development of appropriate training for organizational level personnel, and the development of new training or the update of the existing courses for intermediate level personnel. Training on advanced composite materials begins at the "A" school level. The AM A1 school curriculum provides all prospective Aviation Structural Mechanics with theory on advanced composites. The two applicable courses contained in AM "A" school are:

- *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*

Course *C-603-3868, Advanced Composite Materials Maintenance*, is the primary course contained in training track *D/E-603-4007, Airframes Intermediate Maintenance*. Training is conducted at two locations, Maintenance Training Unit (MTU) 1038 Center for Naval Aviation Technical Training Unit (CNATTU) Lemoore, California, and MTU 1039 CNATTU Oceana, Virginia. It encompasses the required training for the repair of all composite materials in use on Navy and Marine Corps aircraft. The Advanced Composite Material General Repair Manual, NAVAIR 01-1A-21, is the primary source for course C-603-3868. Many of the repair techniques, including the tools and support equipment used in ACMR, are being used in the repair of other composite materials such as fiberglass epoxy. This course has been updated to include information reflected in Aircraft Radomes and Antenna Covers, NAVAIR 01-1A-22, to

aid personnel who work in the helicopter community primarily on fiberglass/Kevlar™ cored structures, blades, and radomes. Of additional note, NADEP offers further, non-NEC awardable, training in course *N-602-0056, Radome and Fiberglass Repair*. Information regarding radome and fiberglass repair can be obtained by contacting the cognizant aircraft CFA.

Selected Reserve personnel may earn intermediate level maintenance qualifications by attending formal training at Center for Naval Aviation Technical Training Group (CNATTGRU) Detachments, providing quotas, funding, and students are available to attend the training. Specific guidelines are contained in NAVPERS 18068F Volume II, Chapter IV, Navy Enlisted Classifications.

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

Marine Corps graduates of *Core* and *Strand* "A" school attend the appropriate *Career* "C" School for additional training on a specific type of aircraft or equipment, and to enhance skills and knowledge within their field. Marine Corps graduates from "C" School receive their primary MOS.

Intermediate level "C" Schools are not separated into *Initial* and *Career* courses.

a. Human Performance. Course *C-603-3868, Advanced Composite Materials Repair*, has been modified to incorporate strain gage installation, rotor blade and radome repair, expanded advanced composites repair, and personnel safety. This training is provided in an Environmental Protection Agency and Occupational Health and Safety Administration approved environment that demonstrates those requirements to the student. In addition, all required Material Safety Data Sheets are an integral part of the training.

b. Training Media Life Cycle Management. The Naval Education and Training Command (NETC) (via Chief of Naval Education and Training Instruction 1500.30) established policy, procedures, and responsibility for the administration and operation of the NETC training feedback program. This program provides a web-based homepage template containing a training feedback form icon. Each school is to develop a form following this format with a link back to the NETC homepage at https://www.netc.navy.mil/. This web page form is used to receive feedback on any training issue or concern, or to make a recommendation that is

general in nature. A fleet partnership program is established to maintain a close relationship with representative samples of ACMR trained personnel to evaluate the quality of the trained graduates and the relevance of skills trained. In conjunction with this Fleet feedback program, a Human Performance Requirements Review (HPRR) process is required by OPNAV Instruction 1500.69A. HPRRs provide a process for resource and program sponsors to identify and correct training deficiencies.

Additionally, the annual Department of Defense (DoD) Advanced Composites Users Conference was established to address more emphasis on the daily maintenance and repair of advanced composite components used on U.S. Military air and space vehicles. The conference is held annually and aims to improve both field-level and depot-level repairs, as well as identifying and understanding the training needs of the DoD composites maintenance and repair community. Navy depots have conducted specific platform composite training since the 1980s. During the 1990s, generic composite repair classes were established. The generic composite repair training was shifted to an "I" level focus during the 1994-1995 timeframe. In additional to the HPRR process discussed above, the DoD Advanced Composites Users Conference provides end users with an avenue to identify and correct training deficiencies.

c. Training Media and Delivery Method. Instructional methods used to train advanced composite repair procedures are a combination of formal instructor-led and Practical Application (PA). The existing courses were developed prior to promulgation of the Sharable Content Object Reference Model (SCORM), and have not been updated to be SCORM compliant. Future Computer-Aided Instruction (CAI) and Interactive Courseware (ICW) training material will be SCORM compliant and will conform to the technical standards necessary to run in the intended environment. These environments include: classroom (automated electronic classroom or learning resource center), Navy e-learning, Aviation Maintenance Training Continuum System (AMTCS), or desktop (Navy Marine Corps Intranet ashore or Information Technology for the 21st Century afloat).

d. Initial Training. Initial training was completed in May 1987 for personnel from CNATTUs and the instructors at the AM "A" school. No further initial training is required.

e. Follow-on Training

Title	**Airframes Intermediate Maintenance**
CIN	D/E-603-4007
Model Manager	MTU 1038 CNATTU Lemoore
Description	This track provides training to Airframes Intermediate Maintenance Technicians and includes: ° Introduction to Advanced Composite Material Repair ° Evaluation ° Repair Criteria ° Repair Procedures and Processes. Upon completion, the graduate will be able to perform ACMR in an AIMD or MALS under limited supervision.
Delivery Method	***Course C-603-3868*** Total Course of Instruction.....160 hours Instructor-Led .....81 hours Instructor-Led with CAI .....0 hours ICW (not Instructor-Led): Level 1 .....0 periods Level 2 .....0 periods Level 3 .....0 periods Level 4 .....0 periods PA/Laboratory .....79 hours PJT (On-Aircraft Repair).....0 hours
Locations	° MTU 1038 CNATTU Lemoore ° MTU 1039 CNATTU Oceana
Length.....	30 days
RFT Date	Currently available
Skill Identifiers.....	° NEC 7232 ° MOS 6092
TTE/TD	All Training Aids are locally manufactured and consist of examples of various damaged aircraft structures. See element IV.B.2 of this document.
Prerequisite.....	C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Class A1

f. Student Profiles

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
AM 7232	° 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
MOS 6092	° 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

g. Training Pipelines. All required training tracks have been established and/or updated.

I. ONBOARD (IN-SERVICE) TRAINING

1. Proficiency or Other Training Organic to the New Development. The training tracks are in place to provide the knowledge needed to accomplish the tasks associated with ACMR. Sharpening of these skills and maintaining currency with the latest advancements can be accomplished in the field with the use of the available program.

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 in its trial period, which is scheduled to be completed in April 2004. Upon completion of the trial, the F/A-18 will be the first aircraft to implement AMTCS. All others will be implemented following the F/A-18. For AMTCS information refer to PMA205B1.

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. By capitalizing on technological advances and integrating systems and processes where appropriate, the right amount of training can be provided at the right time to meet the Chief of Naval Operation's (CNO) mandated "just-in-time" training approach.

Technology investments enable the development of several state-of-the-art training and administrative tools: Interactive Multimedia Instruction for the technicians in the

Fleet in the form of ICW with Computer Managed Instruction and CAI for the schoolhouse. Instructional technologies such as web/computer-based training can be valuable tools for refresher training however, funding for updating the initial hands-on training will not be superceded to ensure that new repair technologies are adequately introduced into the Fleet.

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 (COTS) hardware and software, i.e., Fleet Training Devices - Laptops, Personal Computers, Electronic Classrooms, Learning Resource Centers (LRC), 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 MCO P4790.12, Individual Training Standards System and Maintenance Training Management and Evaluation Program (MATMEP). This program is designed to meet Marine Corps, as well as Navy OPNAVINST 4790.2 series, maintenance training requirements. It is a performance-based, standardized, level-progressive, documentable, training management and evaluation program. It identifies and prioritizes task inventories by MOS through a front-end analysis process that identifies task, skill, and knowledge requirements of each MOS. MTIP questions coupled to MATMEP tasks will help identify training deficiencies that can be enhanced with refresher training. (MATMEP is planned to be replaced by AMTCS.)

J. LOGISTICS SUPPORT

1. Manufacturer and Contract Numbers. NA

2. Program Documentation. NA

3. Technical Data Plan. The Advanced Composite Material General Repair Manual, NAVAIR 01-1A-21, has been developed to support and assist the Aviation Structural Mechanic's general knowledge and familiarity with terminology, construction characteristics, and the special handling and repair techniques associated with advanced composite materials. This manual includes information on identification of composite materials and their uses, general safety and handling of composite materials, work facilities, tools and equipment, glossary of terms, basic techniques for bonded and bolt-on repairs, composite fasteners, curing of materials, and general NDI requirements.

Continuous updates to Navy and Marine Corps aircraft structural repair manuals and training manuals are needed due to the ever-changing technology of advanced composite materials. The CFAs are responsible for informing the appropriate squadrons, AIMDs, MALSs, and MTUs of any revisions to applicable SRMs and training manuals. This procedure provides the most up-to-date information to these activities.

4. Test Sets, Tools, and Test Equipment. Common hand tools are used in the repair of composite structures wherever possible. However, organizational and intermediate level maintenance personnel require several peculiar items including safety equipment and consumable materials.

The Temperature-Vacuum Control Repair Set, 1935AS100-1A, is a generic composite repair console used to support organizational and intermediate level ACMR. The Aviation Structural Mechanic uses the Temperature-Vacuum Control Repair Set to create a vacuum in the repaired area, and then heats the area to a specified temperature and time to cure the advanced composite materials. The DoD Composites User's Group input has confirmed that the 1935AS100 hot bonder is no longer adequately logistically supported. NAVAIR Lakehurst has procured additional spare units to combat reliability and support issues, and is currently contracting for new a replacement bonder unit to include appropriate logistics support as a longer-term solution.

In addition, a locally assembled Composite Repair Tool Kit is available that standardizes the tools and equipment used by the IMAs that support and maintain composite materials. A list of equipment and tools that are included in this kit is contained in element IV.A.1 of this NTSP. This kit is also used at training activities to facilitate ACMR training. The Composite Repair Tool Kit is included in the Tool Control Master Listing and its components are available through normal supply channels. The tools contained in this kit are also available individually to meet the specific needs of an organizational activity if they do not require an entire tool kit.

5. Repair Parts. NA

6. Human Systems Integration. Human Systems Integration (HSI) processes are focused on enabling, enhancing, supporting, and maintaining required levels of Human Performance capability in systems. The various aspects of HSI are often referred to in different ways, but must take into account the following system areas(sometime referred to as "domains"):

- Human Engineering
- Manpower
- Personnel
- Training and Performance Support
- Environment, Safety, and Health
- Habitability
- Systems Safety
- Survivability

HSI is an overarching element of Systems Engineering and the "HSI Process" is one of engineering coordination, facilitation, and advocacy with each competency participating in the design, engineering, ISD, and logistics processes. As an integral part of the Systems Engineering process, the goal of HSI is to balance the human engineering; manpower; personnel; training and performance support; environment, safety, and health; systems safety; habitability; and survivability requirements with design goals, thresholds, and constraints. An effective HSI program will increase overall system performance at the lowest total ownership cost by considering the capabilities and limitations of the warfighter throughout the system lifecycle.

NAVAIR 4.6 is the NAVAIR lead for Human System Integration engineering policies, processes, and tools. NAVAIR 4.6 assists program IPTs by providing administrative, analytical, and technical support in implementing Human Systems Integration practices within their specific programs and program strategies.

The HSI Plan establishes the basis for effective integration of the HSI domains into the acquisition of the new development as outlined in the DOD Instruction 5000.2. At NAVAIR, HSI is implemented through the Systems Engineering process. Though there is no existing HSI plan for this legacy program, new program developments will consider the following areas where relevant:

a. Human Engineering. Human Engineering provides for effective human-machine interfaces while minimizing or eliminating system characteristics that drive excessive skills, training, or workload; mission-critical errors; and hazards. Where practicable and cost effective, system designs shall minimize or eliminate system characteristics that require excessive cognitive, physical, or sensory skills; entail extensive training or workload-intensive tasks; result in mission-critical errors or produce safety or health hazards.

b. Manpower. Manpower processes define system, organizational, and operational factors that drive manpower requirements and determine the most efficient and cost effective approach to aviation manpower requirements.

c. Personnel. Personnel processes define capabilities of target population and, if current population capabilities are exceeded, identify readiness, PERSTEMPO, and funding issues.

d. Training and Performance Support. Training and Performance Support processes identify options that enhance user capabilities, maintain skill proficiencies, and reduce training costs; evaluate training and performance effectiveness; and identify technical, schedule, and funding issues caused by any required changes to existing infrastructure.

e. Habitability. Habitability processes define requirements for the physical environment, personnel services, and living conditions that directly impact system performance and personnel quality of life and morale.

f. Environment, Safety, and Health. Environment, Safety, and Health (ESH) processes identify and prevent ESH hazards; manage ESH risks, if they cannot be avoided; and identify hazardous materials and plan for their demilitarization and disposal.

g. Survivability. Survivability processes address personnel protection against friendly fire; detection; and nuclear, biological, and chemical effects; address crew compartment integrity; and provide for emergency egress and special equipment or gear needed in the operational environment.

h. System Safety. System Safety processes identify and prevent hazards associated with system design, integration, and use; and work with the PM and operational community to manage system safety risks, if they cannot be eliminated.

K. SCHEDULES

1. Schedule of Events. All courses and materials are in place and there is no requirement at this time for further deployment.

a. Installation and Delivery Schedules. NA

b. Ready For Operational Use Schedule. All activities have been ACMR capable since the Initial Operating Capability of August 1988; future additions include the Joint Strike Fighter (replacing the F/A-18 and AV-8B) and the EA-18G (replacing the EA-6B).

c. Time Required to Install at Operational Sites. NA

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

e. Training Device and Delivery Schedule. No training aid deliveries are required.

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
CH-53D AND CH-53E Helicopter NTSP	N88-NTSP-A-50-7604G/A	PMA261	Approved Mar 01
F/A-18 Weapon System NTSP	N88-NTSP-A-50-7703I/D	PMA265	Draft Oct 02
T/AV-8B Harrier II Weapon System NTSP	N88-NTSP-A-50-8210D/A	PMA257	Approved Sep 01
V-22 Osprey Joint Training System Plan	N88-NTSP-A-50-8412E/P	PMA275	Proposed Mar 04
MH-53E Helicopter NTSP	N88-NTSP-A-50-8417D/A	PMA261	Approved Feb 01
Non-Destructive Inspection NTSP	N88-NTSP-A-50-8518B/A	AIR 522	Approved May 00
AH-1W Aircraft NTSP	N88-NTSP-A-50-8520E/D	PMA261	Draft Apr 03
H-46 Helicopter NTSP	N88-NTSP-A-50-9409A/A	PMA261	Approved May 01
H-60 Armed Helicopter Program NTSP	N88-NTSP-A-50-9805/A	PMA299	Approved Mar 02
MH-60 Multi-Mission Helicopter	N88-NTSP-A-50-9902A/A	PMA299	Approved Jan 03

PART II - BILLET AND PERSONNEL REQUIREMENTS

Part II of this NTSP identifies all AM personnel with NEC 7232 drawn from the Total Force Manpower Management System and all Marine Corps Aircraft Structures Mechanics with MOS 6092 extracted from Table of Manpower Requirements, TFS, MCCDC. However, not all NEC 7232 and MOS 6092 billets support the ACMR program. The following notes apply in identifying trained AM personnel with NEC 7232 and Marine Corps Aircraft Structures Mechanics with MOS 6092 billets that actually support the ACMR program.

Notes:

1. This activity does not support the ACMR program in Work Center 51F.
2. AIMD composite workload is not sufficient to support an ACMR billet.
3. AIMD composite technicians are provided by the embarked squadrons.
4. This activity supports one ACDU AM1 7232 as a result of the AIMD Activity Manpower Document review.
5. This activity supports one TAR AM2 NEC 7232 for the ACMR program.
6. This activity supports one ACDU AM2 NEC 7232 and one TAR AM2 NEC 7232 for the ACMR program.
7. This activity supports one ACDU AM2 NEC 7232 for the ACMR program.
8. This activity supports four ACDU AM2s NEC 7232 and nine ACDU AM3s NEC 7232 for the ACMR program.
9. This activity supports one ACDU AM1 NEC 7232 for the ACMR program.
10. This activity supports four ACDU AM2s NEC 7232 for the ACMR program.
11. This activity supports one USMC CPL MOS 6092 and one USMC LCPL MOS 6092 for the ACMR program.
12. This activity supports two USMC CPLs MOS 6092 for the ACMR program.
13. This activity supports two SMCR CPLs MOS 6092 for the ACMR program.
14. This activity supports one USMC LCPL MOS 6092 and one USMC SGT MOS 6092 for the ACMR program.
15. This activity supports one SMCR LCPL MOS 6092 and one SMCR SGT MOS 6092 for the ACMR program.
16. This activity supports one SMCR CPL MOS 6092 and one SMCR SGT MOS 6092 for the ACMR program.

The following elements are not affected by the ACMR, 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 For Operational and Fleet Support Activities

II.A.2.c. Total billets to be deleted for operational and fleet support activities

II.A. BILLET REQUIREMENTS

SOURCE OF USN MANPOWER: Total Force Manpower Management System **DATE:** September 2003
SOURCE OF USMC MANPOWER: Table of Manpower Requirements, TFS, MCCDC **DATE:** September 2003

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

ACTIVITY, UIC		PFYs	CFY04	FY05	FY06	FY07	FY08
OPERATIONAL ACTIVITIES - USN							
CV 67 USS John F. Kennedy (Note 9)	03367	1	0	0	0	0	0
CVN 65 USS Enterprise (Note 9)	03365	1	0	0	0	0	0
CVN 69 USS Dwight D. Eisenhower (Note 9)	03369	1	0	0	0	0	0
CVN 71 USS Theodore Roosevelt (Note 9)	21247	1	0	0	0	0	0
CVN 73 USS George Washington (Note 9)	21412	1	0	0	0	0	0
CVN 75 USS Harry S. Truman (Note 9)	21853	1	0	0	0	0	0
CVN 76 USS Ronald Reagan (Note 9)	22178	1	0	0	0	0	0
HM-14 NAS Norfolk (Note 6)	09132	1	0	0	0	0	0
HM-14 NAS Norfolk (Note 6)	53827	1	0	0	0	0	0
HS-75 NAS Jacksonville (Note 1)	09031	1	0	0	0	0	0
LHA 2 USS Saipan (Note 3)	20632	1	0	0	0	0	0
LHA 4 USS Nassau (Note 3)	20725	1	0	0	0	0	0
LHD 1 USS Wasp (Note 3)	21560	1	0	0	0	0	0
LHD 3 USS Kearsarge (Note 3)	21700	1	0	0	0	0	0
LHD 5 USS Bataan (Note 3)	21879	1	0	0	0	0	0
LHD 7 USS Iwo Jima (Note 3)	23027	1	0	0	0	0	0
VAW-78 NAS Norfolk (Note 1)	09102	1	0	0	0	0	0
VC-6 NAS Norfolk (Note 1)	09806	1	0	0	0	0	0
VFA-203 JRB Atlanta (Note 1)	09030	1	0	0	0	0	0
VFA-204 JRB New Orleans (Note 1)	09032	1	0	0	0	0	0
VR-62 NAS Brunswick (Note 1)	09324	1	0	0	0	0	0
CV 63 USS Kitty Hawk (Note 9)	03363	1	0	0	0	0	0
CV 64 USS Constellation (Note 9)	03364	1	0	0	0	0	0
CVN 68 USS Nimitz (Note 4)	03368	1	0	0	0	0	0
CVN 70 USS Carl Vinson (Note 9)	20993	1	0	0	0	0	0
CVN 72 USS Abraham Lincoln (Note 9)	21297	1	0	0	0	0	0
CVN 74 USS John C. Stennis (Note 9)	21847	1	0	0	0	0	0
HC-85 NAS North Island	09061	1	0	0	0	0	0
LHA 1 USS Tarawa (Note 3)	20550	1	0	0	0	0	0
LHA 3 USS Belleau Wood (Note 3)	20633	1	0	0	0	0	0
LHA 5 USS Peleliu (Note 3)	20748	1	0	0	0	0	0
LHD 2 USS Essex (Note 3)	21533	1	0	0	0	0	0
LHD 4 USS Boxer (Note 3)	21808	1	0	0	0	0	0
LHD 6 USS Bonhomme Richard (Note 3)	22202	1	0	0	0	0	0
VAQ-129 NAS Whidbey Island (Note 1)	09995	1	0	0	0	0	0
VFA-201 JRB Fort Worth (Note 1)	09309	1	0	0	0	0	0
TOTAL:		36	0	0	0	0	0
OPERATIONAL ACTIVITIES - USMC							
HMH-461 MCAS New River (Note 1)	01461	1	0	0	0	0	0
HMH-464 MCAS New River (Note 1)	01464	1	0	0	0	0	0
HMH-772 NAS Willow Grove (Note 1)	61772	1	0	0	0	0	0

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

ACTIVITY, UIC		PFYs	CFY04	FY05	FY06	FY07	FY08
HMLA-167 MCAS New River (Note 1)	01167	1	0	0	0	0	0
HMLA-269 MCAS New River (Note 1)	01464	1	0	0	0	0	0
HMLA-773 Marietta (Note 1)	01773	1	0	0	0	0	0
HMLA-775 DET A Belle Chase (Note 1)	01767	1	0	0	0	0	0
HMLA-775 DET A NAS Willow Grove (Note 1)	03017	1	0	0	0	0	0
HMM-162 MCAS New River (Note 1)	01162	1	0	0	0	0	0
HMM-261 MCAS New River (Note 1)	01261	1	0	0	0	0	0
HMM-263 MCAS New River (Note 1)	01263	1	0	0	0	0	0
HMM-264 MCAS New River (Note 1)	01264	1	0	0	0	0	0
HMM-266 MCAS New River (Note 1)	01266	1	0	0	0	0	0
HMM-365 MCAS New River (Note 1)	01365	1	0	0	0	0	0
HMM-774 NAS Norfolk (Note 1)	01774	1	0	0	0	0	0
HMT-302 MCAS New River (Note 1)	01218	1	0	0	0	0	0
HMX-1 MCAS Quantico (Note 1)	02403	1	0	0	0	0	0
MALS-14 Fixed Wing MCAS Cherry Pt (Note 11)	01068	1	0	0	0	0	0
MALS-26 Fixed Wing MCAS New River (Note 14)	01074	1	0	0	0	0	0
MALS-26 Rotary Wing MCAS New River (Note 14)	01074	1	0	0	0	0	0
MALS-29 Rotary Wing MAG-29 MCAS New 14)	01227	1	0	0	0	0	0
MALS-31 Fixed Wing MCAS Beaufort (Note 11)	01086	1	0	0	0	0	0
MALS-42 Rotary Wing 4th MAW Marietta (Note 15) 0		04156	1	0	0	0	0
MALS-49 Rotary Wing MAG-49 Willow Grove (Note 16)	01197	1	0	0	0	0	0
VMA-223 MCAS Cherry Point (Note 1)	01223	1	0	0	0	0	0
VMA-231 MCAS Cherry Point (Note 1)	01231	1	0	0	0	0	0
VMA-542 MCAS Cherry Point (Note 1)	01542	1	0	0	0	0	0
VMAQ-1 MAG-14 MCAS Cherry Point (Note 1)	01237	1	0	0	0	0	0
VMAQ-2 MAG-14 MCAS Cherry Point (Note 1)	01238	1	0	0	0	0	0
VMAQ-3 MAG-14 MCAS Cherry Point (Note 1)	01239	1	0	0	0	0	0
VMAQ-4 MAG-14 MCAS Cherry Point (Note 1)	01012	1	0	0	0	0	0
VMAT-203 MAG-14 MCAS Cherry Point (Note 1)	01203	1	0	0	0	0	0
VMFA-115 MCAS Beaufort (Note 1)	01115	1	0	0	0	0	0
VMFA-122 MCAS Beaufort (Note 1)	01122	1	0	0	0	0	0
VMFA-142 Marietta (Note 1)	01151	1	0	0	0	0	0
VMFA-224 MCAS Beaufort (Note 1)	01224	1	0	0	0	0	0
VMFA-251 MCAS Beaufort (Note 1)	01251	1	0	0	0	0	0
VMFA-312 MCAS Beaufort (Note 1)	01312	1	0	0	0	0	0
VMFA-321 Andrews AFB (Note 1)	01321	1	0	0	0	0	0
VMFA-332 MCAS Beaufort (Note 1)	01332	1	0	0	0	0	0
VMFA-533 MCAS Beaufort (Note 1)	01533	1	0	0	0	0	0
VMGR-252 DETs A & B MAG-14 MCAS Cherry Point (Note 1)	01252	1	0	0	0	0	0
VMGR-452 MAG-49 DET A Fort Stewart (Note 1)	01233	1	0	0	0	0	0
VMGRT-253 MAG-14 MCAS Cherry Pt (Note 1)	01247	1	0	0	0	0	0
VMMT-204 MCAS New River (Note 1)	01171	1	0	0	0	0	0
VMR-1 MCAS Cherry Point (Note 1)	09038	1	0	0	0	0	0
F/A-18 FRS Permanent Personnel NAS Lemoore	06015	1	0	0	0	0	0
HMH-361 MCAS Miramar (Note 1)	01361	1	0	0	0	0	0
HMH-362 MCAS Kaneohe Bay (Note 1)	01362	1	0	0	0	0	0
HMH-363 MCAS Kaneohe Bay (Note 1)	01363	1	0	0	0	0	0

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

ACTIVITY, UIC		PFYs	CFY04	FY05	FY06	FY07	FY08
HMH-462 MCAS Miramar (Note 1)	01462	1	0	0	0	0	0
HMH-463 MCAS Kaneohe Bay (Note 1)	01463	1	0	0	0	0	0
HMH-464 MCAS Miramar (Note 1)	01464	1	0	0	0	0	0
HMH-465 MCAS Miramar (Note 1)	01465	1	0	0	0	0	0
HMH-769 Edwards AFB	01769	1	0	0	0	0	0
HMLA-169 MCAS Camp Pendleton (Note 1)	01173	1	0	0	0	0	0
HMLA-267 MCAS Camp Pendleton (Note 1)	01267	1	0	0	0	0	0
HMLA-367 MCAS Camp Pendleton (Note 1)	01367	1	0	0	0	0	0
HMLA-369 MCAS Camp Pendleton (Note 1)	01369	1	0	0	0	0	0
HMLA-775 MCAS Camp Pendleton (Note 1)	04780	1	0	0	0	0	0
HMM(T)-164 MCAS Camp Pendleton (Note 1)	01175	1	0	0	0	0	0
HMM-161 MCAS Miramar (Note 1)	01161	1	0	0	0	0	0
HMM-163 MCAS Miramar (Note 1)	01163	1	0	0	0	0	0
HMM-166 MCAS Miramar (Note 1)	01166	1	0	0	0	0	0
HMM-262 MCAS Futenma (Note 1)	01262	1	0	0	0	0	0
HMM-265 MCAS Futenma (Note 1)	01265	1	0	0	0	0	0
HMM-764 Edwards AFB (Note 1)	01764	1	0	0	0	0	0
HMM165 MCAS Miramar (Note 1)	01165	1	0	0	0	0	0
HMT-301 MCAS Kaneohe Bay (Note 1)	01170	1	0	0	0	0	0
HMT-303 MAG-39 MCAS Camp Pendleton (Note 11)	01303	1	0	0	0	0	0
MALS-11 Fixed Wing MCAS Miramar (Note 11)	01065	1	0	0	0	0	0
MALS-12 Fixed Wing MCAS Iwakuni (Note 11)	01038	1	0	0	0	0	0
MALS-13 Fixed Wing MCAS Yuma (Note 11)	01191	1	0	0	0	0	0
MALS-16 Rotary Wing MCAS Miramar (Note14)	01020	1	0	0	0	0	0
MALS-24 MAG-24 MCAS Kaneohe Bay	01071	1	0	0	0	0	0
MALS-36 Rotary Wing MCAS Futenma (Note 14)	01024	1	0	0	0	0	0
MALS-39 Rotary Wing MCAS Camp Pendleton	01158	1	0	0	0	0	0
MALS-41 Fixed Wing JRB Fort Worth (Note 12)	01136	1	0	0	0	0	0
VAQ-129 NAS Whidbey Island (Note 1)	06041	1	0	0	0	0	0
VMA-211 MCAS Yuma (Note 1)	01211	1	0	0	0	0	0
VMA-214 MCAS Yuma (Note 1)	01214	1	0	0	0	0	0
VMA-311 MCAS Yuma (Note 1)	01311	1	0	0	0	0	0
VMA-513 MCAS Yuma (Note 1)	01513	1	0	0	0	0	0
VMFA (AW) 121 MAG-11 MCAS Miramar (Note 1)	01121	1	0	0	0	0	0
VMFA-112 MAG-41 JRB Fort Worth (Note 1)	01130	1	0	0	0	0	0
VMFA-134 MCAS Miramar (Note 1)	01134	1	0	0	0	0	0
VMFA-212 MCAS Iwakuni (Note 1)	01212	1	0	0	0	0	0
VMFA-225 MCAS Miramar (Note 1)	01225	1	0	0	0	0	0
VMFA-232 MCAS Miramar (Note 1)	01232	1	0	0	0	0	0
VMFA-242 MCAS Miramar (Note 1)	01242	1	0	0	0	0	0
VMFA-314 MCAS Miramar (Note 1)	01314	1	0	0	0	0	0
VMFA-323 (Note 1)	01323	1	0	0	0	0	0
VMFAT-101 MAG-11 MCAS Miramar (Note 1)	01192	1	0	0	0	0	0
VMGR-234 JRB Fort Worth (Note 1)	01234	1	0	0	0	0	0
TOTAL:		94	0	0	0	0	0

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

ACTIVITY, UIC		PFYs	CFY04	FY05	FY06	FY07	FY08
FLEET SUPPORT ACTIVITIES - USN							
ABFC FMP MMF HOTEL NAS New Orleans	68822	1	0	0	0	0	0
AIMD COMFAIR Keflavik (Note 1)	44335	1	0	0	0	0	0
AIMD COMFAIRMED NS Rota (Note 1)	44374	1	0	0	0	0	0
AIMD COMFAIRMED Sigonella (Note 1)	44330	1	0	0	0	0	0
AIMD NAS Brunswick (Note 1)	44314	1	0	0	0	0	0
AIMD NAS Jacksonville (Note 1)	44319	1	0	0	0	0	0
AIMD NAS Key West (Note 1)	44320	1	0	0	0	0	0
AIMD NAS Mayport (Note 1)	45459	1	0	0	0	0	0
AIMD NAS Norfolk (Note 1)	44325	1	0	0	0	0	0
AIMD NAS Oceana (Note 1)	44327	1	0	0	0	0	0
AIMD NS Roosevelt Roads (Note 1)	44373	1	0	0	0	0	0
COMSTKFITWINGLANT DET MCAS Beaufort	3006A	1	0	0	0	0	0
HCS-4 NAS Norfolk (Note 1)	53811	1	0	0	0	0	0
NADEP Jacksonville	4274A	1	0	0	0	0	0
NAVAIRWARCENAD OPDET NAS Patuxent River	35679	1	0	0	0	0	0
NAVTEST WINGLANT NAS Patuxent River (Note 1)	39782	1	0	0	0	0	0
RAIMD NAF Washington, D.C. (Note 1)	44492	1	0	0	0	0	0
RAIMD NAS Atlanta (Note 1)	44486	1	0	0	0	0	0
RAIMD NAS New Orleans (Note 1)	44490	1	0	0	0	0	0
RAIMD NAS Willow Grove (Note 1)	44493	1	0	0	0	0	0
SEAOPDET MCAS Beaufort (Note 7)	46961	1	0	0	0	0	0
SEAOPDET NAS Jacksonville (Note 2)	46965	1	0	0	0	0	0
SEAOPDET NAS Norfolk (Note 1)	46966	1	0	0	0	0	0
SEAOPDET NAS Oceana (Note 8)	46963	1	0	0	0	0	0
VAQ-209 Andrews Air Force Base (AFB) (Note 1)	53870	1	0	0	0	0	0
VC-6 DET NAS Patuxent River (Note 1)	55243	1	0	0	0	0	0
VR-53 Andrews AFB (Note 1)	55617	1	0	0	0	0	0
VR-54 NAS New Orleans (Note 1)	52895	1	0	0	0	0	0
A/C OPDET NAWS NAS China Lake (Note 1)	47677	1	0	0	0	0	0
ABFC FMP ALPHA NAS Point Mugu (Note 1)	49738	1	0	0	0	0	0
AIMD AIMU NAS Fallon (Note 1)	44317	1	0	0	0	0	0
AIMD CFWP DET Atsugi (Note 1)	44323	1	0	0	0	0	0
AIMD CFWP DET Diego Garcia (Note 1)	44337	1	0	0	0	0	0
AIMD CFWP DET Misawa (Note 1)	44331	1	0	0	0	0	0
AIMD MCBH Kaneohe Bay (Note 1)	44312	1	0	0	0	0	0
AIMD NAS Corpus Christi (Note 1)	30244	1	0	0	0	0	0
AIRTEVRON THREE ONE NAWS China Lake (Note 1)	39787	1	0	0	0	0	0
BUPERS S/D Comp JRB Dallas	44907	1	0	0	0	0	0
COMAEWWINGPAC DET Point Mugu (Note 1)	44328	1	0	0	0	0	0
COMFLTACT Okinawa (Note 1)	62254	1	0	0	0	0	0
COMSEACONTROLWING NAS North Island (Note 1)	44326	1	0	0	0	0	0
COMSTRKFIGHTWINGPAC NAS Lemoore (Note 1)	44321	1	0	0	0	0	0
COMVAQWINGPAC DET NAS Whidbey Island (Note 1)	44329	1	0	0	0	0	0

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

ACTIVITY, UIC		PFYs	CFY04	FY05	FY06	FY07	FY08
CV/CVN SEAOPDET NAS Lemoore (Note 10)	46964	1	0	0	0	0	0
CV/CVN SEAOPDET NAS North Island (Note 1)	46968	1	0	0	0	0	0
CV/CVN SEAOPDET NAS Point Mugu (Note 1)	46962	1	0	0	0	0	0
CV/CVN SEAOPDET NAS Whidbey Island (Note 1)	46967	1	0	0	0	0	0
HCS-5 NAS North Island (Note 1)	53812	1	0	0	0	0	0
HELSUPPRON FIVE Guam	44310	1	0	0	0	0	0
HM-15 NAS Corpus Christi (Note 6)	55201	1	0	0	0	0	0
HMT-303 MCAS Camp Pendleton (Note 1)	55176	1	0	0	0	0	0
NATEC DET NAS North Island (Note 1)	30332	1	0	0	0	0	0
RAIMD JRB Fort Worth (Note 1)	44487	1	0	0	0	0	0
VMFAT-101 MCAS Miramar (Note 1)	52817	1	0	0	0	0	0
VR-55 NAS Point Mugu (Note 1)	53855	1	0	0	0	0	0
TOTAL:		55	0	0	0	0	0
FLEET SUPPORT ACTIVITIES - USMC							
Historical Center Washington, D.C.	63151	1	0	0	0	0	0
Marine Aviation Training Support Group NAS	06050	1	0	0	0	0	0
CNATTGRU MARCOR Personnel, NAS	06050	1	0	0	0	0	0
Naval Safety Center NAS Norfolk	53530	1	0	0	0	0	0
Naval Weapons Station Charleston	83227	1	0	0	0	0	0
H&HS 1st MAW MCAS Iwakuni (Note 1)	02501	1	0	0	0	0	0
H&HS MCAS Yuma (Note 1)	02230	1	0	0	0	0	0
TOTAL:		7	0	0	0	0	0

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
OPERATIONAL ACTIVITIES - USN					
CV 67 USS John F. Kennedy (Note 9), 03367					
ACDU	0	2	AM1	7232	
	0	1	AM2	7232	
	0	1	AMAN	7232	
ACTIVITY TOTAL:	0	4			
CVN 65 USS Enterprise (Note 9), 03365					
ACDU	0	1	AM1	7232	
ACTIVITY TOTAL:	0	1			
CVN 69 USS Dwight D. Eisenhower (Note 9), 03369					
ACDU	0	2	AM1	7232	
	0	1	AM2	7232	
ACTIVITY TOTAL:	0	3			
CVN 71 USS Theodore Roosevelt (Note 9), 21247					
ACDU	0	1	AM1	7232	
ACTIVITY TOTAL:	0	1			
CVN 73 USS George Washington (Note 9), 21412					
ACDU	0	1	AM1	7232	
ACTIVITY TOTAL:	0	1			
CVN 75 USS Harry S. Truman (Note 9), 21853					
ACDU	0	2	AM1	7232	
	0	1	AM2	7232	
	0	1	AMAN	7232	
ACTIVITY TOTAL:	0	4			
CVN 76 USS Ronald Reagan (Note 9), 22178					
ACDU	0	2	AM1	7232	
	0	1	AM2	7232	
	0	1	AMAN	7232	
ACTIVITY TOTAL:	0	4			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
HM-14 NAS Norfolk (Note 6), 53827					
ACDU	0	1	AM2	7232	
	0	2	AM3	7232	7225
TAR	0	1	AM2	7232	
ACTIVITY TOTAL:	0	4			
HS-75 NAS Jacksonville (Note 1), 09031					
TAR	0	1	AM3	7232	
ACTIVITY TOTAL:	0	1			
LHA 2 USS Saipan (Note 3), 20632					
ACDU	0	1	AM1	7232	7222
	0	1	AM2	7222	7232
	0	1	AM2	7232	
ACTIVITY TOTAL:	0	3			
LHA 4 USS Nassau (Note 3), 20725					
ACDU	0	1	AM1	7232	7222
	0	1	AM2	7222	7232
	0	1	AM2	7232	
ACTIVITY TOTAL:	0	3			
LHD 1 USS Wasp (Note 3), 21560					
ACDU	0	1	AM1	7232	7222
	0	1	AM2	7222	7232
	0	1	AM2	7232	
ACTIVITY TOTAL:	0	3			
LHD 3 USS Kearsarge (Note 3), 21700					
ACDU	0	1	AM1	7232	7222
	0	2	AM2	7222	7232
	0	1	AM2	7232	
ACTIVITY TOTAL:	0	4			
LHD 5 USS Bataan (Note 3), 21879					
ACDU	0	1	AM1	7232	7222
	0	1	AM2	7222	7232
	0	1	AM2	7232	
ACTIVITY TOTAL:	0	3			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
LHD 7 USS Iwo Jima (Note 3), 23027					
ACDU	0	1	AM1	7232	7222
	0	1	AM2	7222	7232
	0	1	AM2	7232	
ACTIVITY TOTAL:	0	3			
VAW-78 NAS Norfolk (Note 1), 09102					
TAR	0	3	AM3	7232	
ACTIVITY TOTAL:	0	3			
VC-6 NAS Norfolk (Note 1), 09806					
ACDU	0	1	AM3	7232	
ACTIVITY TOTAL:	0	1			
VFA-203 JRB Atlanta (Note 1), 09030					
TAR	0	2	AM3	7232	
ACTIVITY TOTAL:	0	2			
VFA-204 JRB New Orleans (Note 1), 09032					
TAR	0	1	AM3	7232	
ACTIVITY TOTAL:	0	1			
VR-62 NAS Brunswick (Note 1), 09324					
TAR	0	1	AM3	7232	
ACTIVITY TOTAL:	0	1			
CV 63 USS Kitty Hawk (Note 9), 03363					
ACDU	0	1	AM1	7232	
	0	1	AM2	7232	
	0	1	AM3	7232	
ACTIVITY TOTAL:	0	3			
CV 64 USS Constellation (Note 9), 03364					
ACDU	0	2	AM1	7232	
	0	1	AM2	7232	
	0	1	AMAN	7232	
ACTIVITY TOTAL:	0	4			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
CVN 68 USS Nimitz (Note 4), 03368					
ACDU	0	1	AM1	7232	
ACTIVITY TOTAL:	0	1			
CVN 70 USS Carl Vinson (Note 9), 20993					
ACDU	0	2	AM1	7232	
	0	1	AM2	7232	
	0	2	AMAN	7232	
ACTIVITY TOTAL:	0	5			
CVN 72 USS Abraham Lincoln (Note 9), 21297					
ACDU	0	2	AM1	7232	
	0	1	AM2	7232	
	0	1	AMAN	7232	
ACTIVITY TOTAL:	0	4			
CVN 74 USS John C. Stennis (Note 9), 21847					
ACDU	0	2	AM1	7232	
	0	1	AM2	7232	
	0	1	AMAN	7232	
ACTIVITY TOTAL:	0	4			
HC-85 NAS North Island, 09061					
TAR	0	1	AM3	7232	
ACTIVITY TOTAL:	0	1			
LHA 1 USS Tarawa (Note 3), 20550					
ACDU	0	1	AM1	7232	7222
	0	1	AM2	7222	7232
	0	1	AM2	7232	
ACTIVITY TOTAL:	0	3			
LHA 3 USS Belleau Wood (Note 3), 20633					
ACDU	0	1	AM1	7232	7222
	0	1	AM2	7222	7232
	0	2	AM2	7232	
ACTIVITY TOTAL:	0	4			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
LHA 5 USS Peleliu (Note 3), 20748					
ACDU	0	1	AM1	7232	7222
	0	1	AM2	7222	7232
	0	1	AM2	7232	
ACTIVITY TOTAL:	0	3			
LHD 2 USS Essex (Note 3), 21533					
ACDU	0	1	AM1	7232	7222
	0	1	AM2	7222	7232
	0	1	AM2	7232	
ACTIVITY TOTAL:	0	3			
LHD 4 USS Boxer (Note 3), 21808					
ACDU	0	1	AM1	7232	7222
	0	1	AM2	7222	7232
	0	1	AM2	7232	
ACTIVITY TOTAL:	0	3			
LHD 6 USS Bonhomme Richard (Note 3), 22202					
ACDU	0	1	AM1	7232	7222
	0	1	AM2	7222	7232
	0	1	AM2	7232	
ACTIVITY TOTAL:	0	3			
VAQ-129 NAS Whidbey Island (Note 1), 09995					
ACDU	0	1	AM1	7232	8332
	0	1	AM3	7232	8832
ACTIVITY TOTAL:	0	2			
VFA-201 JRB Fort Worth (Note 1), 09309					
TAR	0	1	AM3	7232	
ACTIVITY TOTAL:	0	1			
OPERATIONAL ACTIVITIES - USMC					
HMH-461 MCAS New River (Note 1), 01461					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	CPL	6092	
	0	2	LCPL	6043	6092
ACTIVITY TOTAL:	0	5			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
HMH-464 MCAS New River (Note 1), 01464					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	CPL	6092	
	0	2	LCPL	6043	6092
ACTIVITY TOTAL:	0	5			
HMH-772 NAS Willow Grove (Note 1), 61772					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6092	
	0	1	LCPL	6043	6092
ACTIVITY TOTAL:	0	3			
HMLA-167 MCAS New River (Note 1), 01167					
USMC	0	6	LCPL	6043	6092
	0	3	SGT	6033	6092
ACTIVITY TOTAL:	0	9			
HMLA-269 MCAS New River (Note 1), 01464					
USMC	0	6	LCPL	6043	6092
	0	3	SGT	6033	6092
ACTIVITY TOTAL:	0	9			
HMLA-773 Marietta (Note 1), 01773					
USMC	0	1	LCPL	6043	6092
	0	1	SGT	6033	6092
SMCR	0	3	CPL	6092	6033
	0	1	SSGT	6092	6043
ACTIVITY TOTAL:	0	6			
HMLA-775 DET A Belle Chase (Note 1), 01767					
USMC	0	1	LCPL	6043	6092
	0	1	SGT	6033	6092
SMCR	0	1	CPL	6092	6033
ACTIVITY TOTAL:	0	3			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
HMLA-775 DET A NAS Willow Grove (Note 1), 03017					
USMC	0	1	LCPL	6043	6092
	0	1	SGT	6033	6092
SMCR	0	1	CPL	6092	6033
ACTIVITY TOTAL:	0	3			
HMM-162 MCAS New River (Note 1), 01162					
USMC	0	1	CPL	6043	6092
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
ACTIVITY TOTAL:	0	3			
HMM-261 MCAS New River (Note 1), 01261					
USMC	0	1	CPL	6043	6092
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
ACTIVITY TOTAL:	0	3			
HMM-263 MCAS New River (Note 1), 01263					
USMC	0	1	CPL	6043	6092
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
ACTIVITY TOTAL:	0	3			
HMM-264 MCAS New River (Note 1), 01264					
USMC	0	1	CPL	6043	6092
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
ACTIVITY TOTAL:	0	3			
HMM-266 MCAS New River (Note 1), 01266					
USMC	0	1	CPL	6043	6092
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
ACTIVITY TOTAL:	0	3			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
HMM-365 MCAS New River (Note 1), 01365					
USMC	0	1	CPL	6043	6092
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
ACTIVITY TOTAL:	0	3			
HMM-774 NAS Norfolk (Note 1), 01774					
USMC	0	1	CPL	6043	6092
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
ACTIVITY TOTAL:	0	3			
HMT-302 MCAS New River (Note 1), 01218					
USMC	0	1	CPL	6043	6092
	0	2	LCPL	6092	
	0	1	SGT	6033	6092
ACTIVITY TOTAL:	0	4			
HMX-1 MCAS Quantico (Note 1), 02403					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6092	
	0	2	GYSGT	6092	
	0	2	LCPL	6092	
	0	1	SGT	6033	6092
	0	1	SSGT	6033	6092
ACTIVITY TOTAL:	0	8			
MALS-14 Fixed Wing MCAS Cherry Point (Note 11), 01068					
USMC	0	2	CPL	6092	
	0	1	GYSGT	6033	6092
	0	1	GYSGT	6092	
	0	1	LCPL	6092	
	0	2	SGT	6043	6092
	0	1	SSGT	6033	6092
	0	1	SSGT	6092	
ACTIVITY TOTAL:	0	9			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
MALS-26 Fixed Wing MCAS New River (Note 14), 01074					
USMC	0	2	CPL	6092	
	0	1	GYSGT	6033	6092
	0	1	GYSGT	6092	
	0	1	LCPL	6092	
	0	2	SGT	6043	6092
	0	1	SSGT	6033	6092
	0	1	SSGT	6092	
ACTIVITY TOTAL:	0	9			
MALS-26 Rotary Wing MCAS New River (Note 14), 01074					
USMC	0	1	GYSGT	6092	
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
	0	2	SGT	6043	6092
	0	2	SGT	6092	
	0	1	SSGT	6033	6092
	0	1	SSGT	6092	
ACTIVITY TOTAL:	0	9			
MALS-29 Rotary Wing MAG-29 MCAS New River (Note 14), 01227					
USMC	0	1	GYSGT	6092	
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
	0	2	SGT	6043	6092
	0	2	SGT	6092	
	0	1	SSGT	6033	6092
	0	1	SSGT	6092	
ACTIVITY TOTAL:	0	9			
MALS-31 Fixed Wing MCAS Beaufort (Note 11), 01086					
USMC	0	2	CPL	6092	
	0	1	GYSGT	6033	6092
	0	1	GYSGT	6092	
	0	1	LCPL	6092	
	0	2	SGT	6043	6092
	0	1	SSGT	6033	6092
	0	1	SSGT	6092	
ACTIVITY TOTAL:	0	9			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
MALS-42 Rotary Wing 4th MAW Marietta (Note 15), 04156					
SMCR	0	1	GYSGT	6092	
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
	0	2	SGT	6043	6092
	0	2	SGT	6092	
	0	1	SSGT	6033	6092
	0	1	SSGT	6092	
ACTIVITY TOTAL:	0	9			
MALS-49 Rotary Wing MAG-49 NAS Willow Grove, 01197					
SMCR	0	1	CPL	6092	
	0	1	GYSGT	6092	
	0	1	SGT	6033	6092
	0	2	SGT	6043	6092
	0	2	SGT	6092	
	0	1	SSGT	6033	6092
	0	1	SSGT	6092	
ACTIVITY TOTAL:	0	9			
VMA-223 MCAS Cherry Point (Note 1), 01223					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	CPL	6092	
	0	1	GYSGT	6092	
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
	0	1	SSGT	6043	6092
ACTIVITY TOTAL:	0	7			
VMA-231 MCAS Cherry Point (Note 1), 01231					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	CPL	6092	
	0	1	GYSGT	6092	
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
	0	1	SSGT	6043	6092
ACTIVITY TOTAL:	0	7			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
VMA-542 MCAS Cherry Point (Note 1), 01542					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	CPL	6092	
	0	1	GYSGT	6092	
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
	0	1	SSGT	6043	6092
ACTIVITY TOTAL:	0	7			
VMAQ-1 MAG-14 MCAS Cherry Point (Note 1), 01237					
USMC	0	1	CPL	6043	6092
	0	2	LCPL	6092	
	0	1	SGT	6033	6092
	0	1	SGT	6092	
ACTIVITY TOTAL:	0	5			
VMAQ-2 MAG-14 MCAS Cherry Point (Note 1), 01238					
USMC	0	1	CPL	6043	6092
	0	2	LCPL	6092	
	0	1	SGT	6033	6092
	0	1	SGT	6092	
ACTIVITY TOTAL:	0	5			
VMAQ-3 MAG-14 MCAS Cherry Point (Note 1), 01239					
USMC	0	1	CPL	6043	6092
	0	2	LCPL	6092	
	0	1	SGT	6033	6092
	0	1	SGT	6092	
ACTIVITY TOTAL:	0	5			
VMAQ-4 MAG-14 MCAS Cherry Point (Note 1), 01012					
USMC	0	1	CPL	6043	6092
	0	2	LCPL	6092	
	0	1	SGT	6033	6092
	0	1	SGT	6092	
ACTIVITY TOTAL:	0	5			
VMAT-203 MAG-14 MCAS Cherry Point (Note 1), 01203					
USMC	0	2	LCPL	6092	
	0	1	SGT	6033	6092
	0	1	SGT	6043	6092
ACTIVITY TOTAL:	0	4			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
VMFA-115 MCAS Beaufort (Note 1), 01115					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	CPL	6092	
	0	1	SGT	6092	
ACTIVITY TOTAL:	0	4			
VMFA-122 MCAS Beaufort (Note 1), 01122					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	CPL	6092	
	0	1	SGT	6092	
ACTIVITY TOTAL:	0	4			
VMFA-142 Marietta (Note 1), 01151					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	CPL	6092	
	0	1	SGT	6092	
ACTIVITY TOTAL:	0	4			
VMFA-224 MCAS Beaufort (Note 1), 01224					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	LCPL	6092	
	0	1	SSGT	6092	
ACTIVITY TOTAL:	0	4			
VMFA-251 MCAS Beaufort (Note 1), 01251					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	CPL	6092	
	0	1	SGT	6092	
ACTIVITY TOTAL:	0	4			
VMFA-312 MCAS Beaufort (Note 1), 01312					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	CPL	6092	
	0	1	SGT	6092	
ACTIVITY TOTAL:	0	4			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
VMFA-321 Andrews AFB (Note 1), 01321					
USMC	0	1	CPL	6043	6092
	0	1	SGT	6092	
ACTIVITY TOTAL:	0	2			
VMFA-332 MCAS Beaufort (Note 1), 01332					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	LCPL	6092	
	0	1	SSGT	6092	
ACTIVITY TOTAL:	0	4			
VMFA-533 MCAS Beaufort (Note 1), 01533					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	LCPL	6092	
	0	1	SSGT	6092	
ACTIVITY TOTAL:	0	4			
VMGR-252 DETs A & B MAG-14 MCAS Cherry Point, 01252					
USMC	0	6	CPL	6033	6092
	0	6	CPL	6092	
	0	6	SGT	6043	6092
ACTIVITY TOTAL:	0	18			
VMGR-452 MAG-49 DET A Fort Stewart (Note 1), 01233					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6092	
	0	1	SGT	6043	6092
SMCR	0	1	LCPL	6092	
	0	1	SGT	6092	6033
	0	1	SGT	6092	6043
ACTIVITY TOTAL:	0	6			
VMGRT-253 MAG-14 MCAS Cherry Point (Note 1), 01247					
USMC	0	2	LCPL	6092	
	0	1	SGT	6043	6092
ACTIVITY TOTAL:	0	3			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
VMMT-204 MCAS New River (Note 1), 01171					
USMC	0	2	CPL	6092	6043
	0	3	LCPL	6092	
	0	1	SGT	6092	6033
ACTIVITY TOTAL:	0	6			
VMR-1 MCAS Cherry Point (Note 1), 09038					
USMC	0	1	CPL	6092	
	0	1	SGT	6092	
ACTIVITY TOTAL:	0	2			
F/A-18 FRS Permanent Personnel NAS Lemoore, 06015					
USMC	0	1	CPL	6033	6092
	0	2	CPL	6092	
	0	1	SSGT	6092	
ACTIVITY TOTAL:	0	4			
HMH-361 MCAS Miramar (Note 1), 01361					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	CPL	6092	
	0	2	LCPL	6043	6092
ACTIVITY TOTAL:	0	5			
HMH-362 MCAS Kaneohe Bay (Note 1), 01362					
USMC	0	1	SGT	6033	6092
ACTIVITY TOTAL:	0	1			
HMH-363 MCAS Kaneohe Bay (Note 1), 01363					
USMC	0	1	LCPL	6043	6092
	0	1	LCPL	6092	
ACTIVITY TOTAL:	0	2			
HMH-462 MCAS Miramar (Note 1), 01462					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	CPL	6092	
	0	2	LCPL	6043	6092
ACTIVITY TOTAL:	0	5			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
HMH-463 MCAS Kaneohe Bay (Note 1), 01463					
USMC	0	1	LCPL	6043	6092
	0	1	LCPL	6092	
ACTIVITY TOTAL:	0	2			
HMH-464 MCAS Miramar (Note 1), 01464					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	CPL	6092	
	0	2	LCPL	6043	6092
ACTIVITY TOTAL:	0	5			
HMH-465 MCAS Miramar (Note 1), 01465					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	CPL	6092	
	0	2	LCPL	6043	6092
ACTIVITY TOTAL:	0	5			
HMH-769 Edwards AFB, 01769					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6092	
	0	1	LCPL	6043	6092
ACTIVITY TOTAL:	0	3			
HMLA-169 MCAS Camp Pendleton (Note 1), 01173					
USMC	0	6	LCPL	6043	6092
	0	3	SGT	6033	6092
ACTIVITY TOTAL:	0	9			
HMLA-267 MCAS Camp Pendleton (Note 1), 01267					
USMC	0	6	LCPL	6043	6092
	0	3	SGT	6033	6092
ACTIVITY TOTAL:	0	9			
HMLA-367 MCAS Camp Pendleton (Note 1), 01367					
USMC	0	6	LCPL	6043	6092
	0	3	SGT	6033	6092
ACTIVITY TOTAL:	0	9			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
HMLA-369 MCAS Camp Pendleton (Note 1), 01369					
USMC	0	6	LCPL	6043	6092
	0	3	SGT	6033	6092
ACTIVITY TOTAL:	0	9			
HMLA-775 MCAS Camp Pendleton (Note 1), 04780					
USMC	0	1	LCPL	6043	6092
	0	1	SGT	6033	6092
SMCR	0	3	CPL	6092	6033
	0	1	SSGT	6092	6043
ACTIVITY TOTAL:	0	6			
HMM(T)-164 MCAS Camp Pendleton (Note 1), 01175					
USMC	0	1	CPL	6043	6092
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
ACTIVITY TOTAL:	0	3			
HMM-161 MCAS Miramar (Note 1), 01161					
USMC	0	1	CPL	6043	6092
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
ACTIVITY TOTAL:	0	3			
HMM-163 MCAS Miramar (Note 1), 01163					
USMC	0	1	CPL	6043	6092
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
ACTIVITY TOTAL:	0	3			
HMM-166 MCAS Miramar (Note 1), 01166					
USMC	0	1	CPL	6043	6092
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
ACTIVITY TOTAL:	0	3			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
HMM-262 MCAS Futenma (Note 1), 01262					
USMC	0	1	CPL	6043	6092
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
ACTIVITY TOTAL:	0	3			
HMM-265 MCAS Futenma (Note 1), 01265					
USMC	0	1	CPL	6043	6092
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
ACTIVITY TOTAL:	0	3			
HMM-764 Edwards AFB (Note 1), 01764					
USMC	0	1	CPL	6043	6092
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
ACTIVITY TOTAL:	0	3			
HMM165 MCAS Miramar (Note 1), 01165					
USMC	0	1	CPL	6043	6092
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
ACTIVITY TOTAL:	0	3			
HMT-301 MCAS Kaneohe Bay (Note 1), 01170					
USMC	0	1	CPL	6043	6092
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
ACTIVITY TOTAL:	0	3			
HMT-303 MAG-39 MCAS Camp Pendleton (Note 1), 01303					
USMC	0	1	CPL	6043	6092
	0	2	LCPL	6092	
	0	1	SGT	6033	6092
ACTIVITY TOTAL:	0	4			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
MALS-11 Fixed Wing MCAS Miramar (Note 11), 01065					
USMC	0	2	CPL	6092	
	0	1	GYSGT	6033	6092
	0	1	GYSGT	6092	
	0	1	LCPL	6092	
	0	2	SGT	6043	6092
	0	1	SSGT	6033	6092
	0	1	SSGT	6092	
ACTIVITY TOTAL:	0	9			
MALS-12 Fixed Wing MCAS Iwakuni (Note 11), 01038					
USMC	0	2	CPL	6092	
	0	1	GYSGT	6033	6092
	0	1	GYSGT	6092	
	0	1	LCPL	6092	
	0	2	SGT	6043	6092
	0	1	SSGT	6033	6092
	0	1	SSGT	6092	
ACTIVITY TOTAL:	0	9			
MALS-13 Fixed Wing MCAS Yuma (Note 11), 01191					
USMC	0	2	CPL	6092	
	0	1	GYSGT	6033	6092
	0	1	GYSGT	6092	
	0	1	LCPL	6092	
	0	2	SGT	6043	6092
	0	1	SSGT	6033	6092
	0	1	SSGT	6092	
ACTIVITY TOTAL:	0	9			
MALS-16 Rotary Wing MCAS Miramar (Note14), 01020					
USMC	0	1	GYSGT	6092	
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
	0	2	SGT	6043	6092
	0	2	SGT	6092	
	0	1	SSGT	6033	6092
	0	1	SSGT	6092	
ACTIVITY TOTAL:	0	9			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
MALS-24 MAG-24 MCAS Kaneohe Bay, 01071					
USMC	0	1	GYSGT	6033	6092
	0	1	GYSGT	6092	
	0	1	LCPL	6043	6092
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
	0	1	SSGT	6092	
ACTIVITY TOTAL:	0	6			
MALS-36 Rotary Wing MCAS Futenma (Note 14), 01024					
USMC	0	1	GYSGT	6092	
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
	0	2	SGT	6043	6092
	0	2	SGT	6092	
	0	1	SSGT	6033	6092
	0	1	SSGT	6092	
ACTIVITY TOTAL:	0	9			
MALS-39 Rotary Wing MCAS Camp Pendleton (Note 14), 01158					
USMC	0	1	GYSGT	6092	
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
	0	2	SGT	6043	6092
	0	2	SGT	6092	
	0	1	SSGT	6033	6092
	0	1	SSGT	6092	
ACTIVITY TOTAL:	0	9			
MALS-41 Fixed Wing JRB Fort Worth (Note 12), 01136					
USMC	0	3	CPL	6092	
	0	2	SGT	6043	6092
AR	0	1	GYSGT	6092	
	0	1	SSGT	6092	
ACTIVITY TOTAL:	0	7			
VAQ-129 NAS Whidbey Island (Note 1), 06041					
USMC	0	1	CPL	6092	
ACTIVITY TOTAL:	0	1			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
VMA-211 MCAS Yuma (Note 1), 01211					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	CPL	6092	
	0	1	GYSGT	6092	
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
	0	1	SSGT	6043	6092
ACTIVITY TOTAL:	0	7			
VMA-214 MCAS Yuma (Note 1), 01214					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	CPL	6092	
	0	1	GYSGT	6092	
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
	0	1	SSGT	6043	6092
ACTIVITY TOTAL:	0	7			
VMA-311 MCAS Yuma (Note 1), 01311					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	CPL	6092	
	0	1	GYSGT	6092	
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
	0	1	SSGT	6043	6092
ACTIVITY TOTAL:	0	7			
VMA-513 MCAS Yuma (Note 1), 01513					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	CPL	6092	
	0	1	GYSGT	6092	
	0	1	LCPL	6092	
	0	1	SGT	6033	6092
	0	1	SSGT	6043	6092
ACTIVITY TOTAL:	0	7			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
VMFA (AW) 121 MAG-11 MCAS Miramar (Note 1), 01121					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	LCPL	6092	
	0	1	SSGT	6092	
ACTIVITY TOTAL:	0	4			
VMFA-112 MAG-41 JRB Fort Worth (Note 1), 01130					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	CPL	6092	
	0	1	SGT	6092	
ACTIVITY TOTAL:	0	4			
VMFA-134 MCAS Miramar (Note 1), 01134					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	CPL	6092	
	0	1	SGT	6092	
ACTIVITY TOTAL:	0	4			
VMFA-212 MCAS Iwakuni (Note 1), 01212					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	CPL	6092	
	0	1	SGT	6092	
ACTIVITY TOTAL:	0	4			
VMFA-225 MCAS Miramar (Note 1), 01225					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	LCPL	6092	
	0	1	SSGT	6092	
ACTIVITY TOTAL:	0	4			
VMFA-232 MCAS Miramar (Note 1), 01232					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	CPL	6092	
	0	1	SGT	6092	
ACTIVITY TOTAL:	0	4			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
VMFA-242 MCAS Miramar (Note 1), 01242					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	LCPL	6092	
	0	1	SSGT	6092	
ACTIVITY TOTAL:	0	4			
VMFA-314 MCAS Miramar (Note 1), 01314					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	CPL	6092	
	0	1	SGT	6092	
ACTIVITY TOTAL:	0	4			
VMFA-323 (Note 1), 01323					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6043	6092
	0	1	CPL	6092	
	0	1	SGT	6092	
ACTIVITY TOTAL:	0	4			
VMFAT-101 MAG-11 MCAS Miramar (Note 1), 01192					
USMC	0	1	CPL	6043	6092
	0	6	CPL	6092	
	0	4	LCPL	6092	
	0	2	SGT	6033	6092
ACTIVITY TOTAL:	0	13			
VMGR-234 JRB Fort Worth (Note 1), 01234					
USMC	0	1	CPL	6033	6092
	0	1	CPL	6092	
	0	1	SGT	6043	6092
SMCR	0	1	LCPL	6092	
	0	1	SGT	6092	6033
	0	1	SGT	6092	6043
ACTIVITY TOTAL:	0	6			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
FLEET SUPPORT ACTIVITIES - USN					
ABFC FMP MMF HOTEL NAS New Orleans (Note 1), 68822					
TAR	0	2	AM2	7225	7232
	0	1	AM3	7232	
ACTIVITY TOTAL:	0	3			
AIMD COMFAIR Keflavik (Note 1), 44335					
ACDU	0	1	AM2	7222	7232
	0	1	AM2	7225	7232
	0	1	AM3	7222	7232
	0	1	AM3	7225	7232
	0	1	AMAN	7232	
ACTIVITY TOTAL:	0	5			
AIMD COMFAIRMED NS Rota (Note 1), 44374					
ACDU	0	1	AMC	7232	
	0	1	AM1	7232	
	0	2	AM2	7232	
SELRES	0	3	AM2	7232	
	0	1	AM3	7232	
ACTIVITY TOTAL:	0	8			
AIMD COMFAIRMED Sigonella (Note 1), 44330					
ACDU	0	4	AM1	7232	
	0	2	AM2	7232	
	0	3	AM3	7232	
	0	3	AMAN	7232	
ACTIVITY TOTAL:	0	12			
AIMD NAS Brunswick (Note 1), 44314					
ACDU	0	1	AMC	7232	
	0	1	AM1	7232	
	0	3	AM2	7232	
	0	5	AM3	7232	
ACTIVITY TOTAL:	0	10			
AIMD NAS Jacksonville (Note 1), 44319					
ACDU	0	1	AMC	7232	
	0	2	AM1	7232	
	0	3	AM2	7232	
	0	7	AM3	7232	
ACTIVITY TOTAL:	0	13			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
AIMD NAS Key West (Note 1), 44320					
ACDU	0	1	AM1	7232	9595
	0	1	AM2	7232	
ACTIVITY TOTAL:	0	2			
AIMD NAS Mayport (Note 1), 45459					
ACDU	0	1	AM1	7232	
	0	3	AM2	7232	
	0	4	AM3	7232	
ACTIVITY TOTAL:	0	8			
AIMD NAS Norfolk (Note 1), 44325					
ACDU	0	1	AMC	7232	
	0	3	AM1	7232	
	0	4	AM2	7232	
	0	5	AM3	7232	
SELRES	0	1	AM1	7232	
	0	2	AM2	7232	
ACTIVITY TOTAL:	0	16			
AIMD NAS Oceana (Note 1), 44327					
ACDU	0	2	AM1	7225	7232
	0	2	AM1	7232	
	0	1	AM1	7232	7222
	0	1	AM1	7232	9595
	0	7	AM2	7232	
	0	8	AM3	7232	
ACTIVITY TOTAL:	0	21			
AIMD NS Roosevelt Roads (Note 1), 44373					
ACDU	0	1	AMC	7232	
	0	1	AM1	7222	7232
	0	2	AM2	7222	7232
	0	1	AM2	7225	7232
	0	1	AM2	7232	7222
	0	1	AM3	7225	7232
	0	2	AM3	7232	
ACTIVITY TOTAL:	0	9			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
COMSTKFITWINGLANT DET MCAS Beaufort (Note 1), 3006A					
ACDU	0	1	AM3	7232	
ACTIVITY TOTAL:	0	1			
HCS-4 NAS Norfolk (Note 1), 53811					
TAR	0	1	AM2	7232	
ACTIVITY TOTAL:	0	1			
NADEP Jacksonville, 4274A					
ACDU	0	1	AM1	7232	
ACTIVITY TOTAL:	0	1			
NAVAIRWARCENAD OP/DET NAS Patuxent River (Note 1), 35679					
ACDU	0	1	AM3	7232	
ACTIVITY TOTAL:	0	1			
NAVTEST WINGLANT NAS Patuxent River (Note 1), 39782					
ACDU	0	2	AMC	7232	
	0	2	AM1	7232	
	0	3	AM2	7232	
	0	1	AM3	7232	
	0	1	AMAN	7232	
ACTIVITY TOTAL:	0	9			
RAIMD NAF Washington, D.C. (Note 1), 44492					
TAR	0	1	AM1	7232	
	0	1	AM2	7232	
ACTIVITY TOTAL:	0	2			
RAIMD NAS Atlanta (Note 1), 44486					
TAR	0	1	AM1	7232	
	0	1	AM1	7232	7225
	0	1	AM2	7222	7232
	0	1	AM3	7222	7232
ACTIVITY TOTAL:	0	4			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
RAIMD NAS New Orleans (Note 1), 44490					
TAR	0	1	AM1	7232	
	0	1	AM1	7232	7225
	0	1	AM2	7232	
	0	1	AMAN	7232	
ACTIVITY TOTAL:	0	4			
RAIMD NAS Willow Grove (Note 1), 44493					
TAR	0	1	AM1	7232	
	0	1	AM3	7232	
	0	2	AMAN	7232	
ACTIVITY TOTAL:	0	4			
SEAOPDET MCAS Beaufort (Note 7), 46961					
ACDU	0	1	AM2	7232	
ACTIVITY TOTAL:	0	1			
SEAOPDET NAS Jacksonville (Note 2), 46965					
ACDU	0	3	AM3	7232	
	0	3	AMAN	7232	
ACTIVITY TOTAL:	0	6			
SEAOPDET NAS Norfolk (Note 1), 46966					
ACDU	0	3	AM3	7232	
ACTIVITY TOTAL:	0	3			
SEAOPDET NAS Oceana (Note 8), 46963					
ACDU	0	10	AM2	7232	
	0	12	AM3	7232	
ACTIVITY TOTAL:	0	22			
VAQ-209 Andrews Air Force Base (AFB) (Note 1), 53870					
TAR	0	1	AM2	7232	
ACTIVITY TOTAL:	0	1			
VC-6 DET NAS Patuxent River (Note 1), 55243					
ACDU	0	6	AM1	8361	7232
	0	6	AM2	8361	7232
ACTIVITY TOTAL:	0	12			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
VR-53 Andrews AFB (Note 1), 55617					
SELRES	0	1	AM3	7232	
ACTIVITY TOTAL:	0	1			
VR-54 NAS New Orleans (Note 1), 52895					
SELRES	0	1	AM3	7232	
ACTIVITY TOTAL:	0	1			
A/C OPDET NAWS NAS China Lake (Note 1), 47677					
ACDU	0	1	AM3	7232	
ACTIVITY TOTAL:	0	1			
ABFC FMP ALPHA NAS Point Mugu (Note 1), 49738					
TAR	0	2	AM2	7225	7232
	0	1	AM3	7232	
ACTIVITY TOTAL:	0	3			
AIMD AIMU NAS Fallon (Note 1), 44317					
ACDU	0	2	AM1	7232	
	0	3	AM2	7232	
	0	2	AM3	7232	
ACTIVITY TOTAL:	0	7			
AIMD CFWP DET Atsugi (Note 1), 44323					
ACDU	0	1	AM1	7232	
	0	3	AM2	7232	
	0	7	AM3	7232	
SELRES	0	4	AM2	7232	
ACTIVITY TOTAL:	0	15			
AIMD CFWP DET Diego Garcia (Note 1), 44337					
ACDU	0	1	AM2	7232	
	0	2	AM3	7232	
ACTIVITY TOTAL:	0	3			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
AIMD CFWP DET Misawa (Note 1), 44331					
ACDU	0	1	AM1	7232	
	0	2	AM2	7232	
	0	1	AM2	7232	9595
	0	1	AM3	7232	
ACTIVITY TOTAL:	0	5			
AIMD MCBH Kaneohe Bay (Note 1), 44312					
ACDU	0	2	AM2	7232	
	0	1	AM2	7232	7222
	0	2	AM3	7232	
ACTIVITY TOTAL:	0	5			
AIMD NAS Corpus Christi (Note 1), 30244					
ACDU	0	2	AM1	7232	7222
	0	1	AM2	7232	7222
ACTIVITY TOTAL:	0	3			
AIRTEVRON THREE ONE NAWS China Lake (Note 1), 39787					
SELRES	0	1	AM3	7232	
ACTIVITY TOTAL:	0	1			
BUPERS S/D Comp JRB Dallas, 44907					
ACDU	0	1	AM1	7232	
ACTIVITY TOTAL:	0	1			
COMAEWWINGPAC DET Point Mugu (Note 1), 44328					
ACDU	0	1	AM2	7232	
ACTIVITY TOTAL:	0	1			
COMFLTACT Okinawa (Note 1), 62254					
ACDU	0	1	AM1	7232	
ACTIVITY TOTAL:	0	1			
COMSEACONTROLWING NAS North Island (Note 1), 44326					
ACDU	0	1	AMC	7232	
	0	1	AM1	7232	
	0	5	AM2	7232	
	0	6	AM3	7232	
ACTIVITY TOTAL:	0	13			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
COMSTRKFIGHTWINGPAC NAS Lemoore (Note 1), 44321					
ACDU	0	4	AM1	7232	
	0	9	AM2	7232	
	0	7	AM3	7232	
	0	1	AM3	7232	7222
ACTIVITY TOTAL:	0	21			
COMVAQWINGPAC DET NAS Whidbey Island (Note 1), 44329					
ACDU	0	1	AM1	7225	7232
	0	1	AM1	7232	
	0	3	AM2	7232	
	0	2	AM3	7232	
ACTIVITY TOTAL:	0	7			
CV/CVN SEAOPDET NAS Lemoore (Note 10), 46964					
ACDU	0	5	AM2	7232	
	0	3	AM3	7232	
ACTIVITY TOTAL:	0	8			
CV/CVN SEAOPDET NAS North Island (Note 1), 46968					
ACDU	0	3	AM3	7232	
	0	3	AMAN	7232	
ACTIVITY TOTAL:	0	6			
CV/CVN SEAOPDET NAS Point Mugu (Note 1), 46962					
ACDU	0	3	AM3	7232	
ACTIVITY TOTAL:	0	3			
CV/CVN SEAOPDET NAS Whidbey Island (Note 2), 46967					
ACDU	0	6	AMAN	7232	
ACTIVITY TOTAL:	0	6			
HCS-5 NAS North Island (Note 1), 53812					
TAR	0	1	AM2	7232	
ACTIVITY TOTAL:	0	1			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
HELSUPPRON FIVE Guam, 44310					
ACDU	0	1	AM2	7222	7232
	0	1	AM3	7222	7232
ACTIVITY TOTAL:	0	2			
HM-15 NAS Corpus Christi (Note 6), 55201					
ACDU	0	1	AM2	7232	
TAR	0	1	AM2	7232	
ACTIVITY TOTAL:	0	2			
HMT-303 MCAS Camp Pendleton (Note 1), 55176					
ACDU	0	1	AM2	7232	
ACTIVITY TOTAL:	0	1			
NATEC DET NAS North Island (Note 1), 30332					
ACDU	0	1	AMC	7232	9502
	0	2	AM1	7232	7222
	0	1	AM2	7232	7222
ACTIVITY TOTAL:	0	4			
RAIMD JRB Fort Worth (Note 1), 44487					
TAR	0	2	AM1	7232	
	0	1	AM1	7232	7225
	0	1	AM3	7232	
ACTIVITY TOTAL:	0	4			
VMFAT-101 MCAS Miramar (Note 1), 52817					
ACDU	0	2	AM3	7232	
ACTIVITY TOTAL:	0	2			
VR-55 NAS Point Mugu (Note 1), 53855					
TAR	0	1	AM3	7232	
ACTIVITY TOTAL:	0	1			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
FLEET SUPPORT ACTIVITIES - USMC					
Historical Center Washington, D.C., 63151					
USMC	0	1	SGT	6092	
ACTIVITY TOTAL:	0	1			
Marine Aviation Training Support Group NAS Pensacola, 06050					
USMC	0	1	GYSGT	6033	6092
	0	1	SGT	6033	6092
	0	2	SSGT	6033	6092
ACTIVITY TOTAL:	0	4			
CNATTGRU MARCOR Personnel, NAS Pensacola, 06050					
USMC	0	2	SSGT	6092	
ACTIVITY TOTAL:	0	2			
Naval Safety Center NAS Norfolk, 53530					
USMC	0	1	GYSGT	6092	
ACTIVITY TOTAL:	0	1			
Naval Weapons Station Charleston, 83227					
USMC	0	1	SSGT	6092	9954
ACTIVITY TOTAL:	0	1			
H&HS 1st MAW MCAS Iwakuni, (Note 1) 02501					
USMC	0	1	LCPL	6092	
ACTIVITY TOTAL:	0	1			
H&HS MCAS Yuma, (Note 1) 02230					
USMC	0	1	CPL	6092	
	0	1	SGT	6092	
ACTIVITY TOTAL:	0	2			

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS		PFYs OFF	PFYs ENL	CFY04 OFF	CFY04 ENL	FY05 OFF	FY05 ENL	FY06 OFF	FY06 ENL	FY07 OFF	FY07 ENL	FY08 OFF	FY08 ENL
USN OPERATIONAL ACTIVITIES - ACDU														
AM1	7232			21		0		0		0		0		0
AM1	7232	7222		12		0		0		0		0		0
AM1	7232	8332		1		0		0		0		0		0
AM2	7222	7232		13		0		0		0		0		0
AM2	7232			23		0		0		0		0		0
AM3	7232			2		0		0		0		0		0
AM3	7232	7225		2		0		0		0		0		0
AM3	7232	8832		1		0		0		0		0		0
AMAN	7232			8		0		0		0		0		0
USN OPERATIONAL ACTIVITIES - TAR														
AM2	7232			1		0		0		0		0		0
AM3	7232			10		0		0		0		0		0
USMC OPERATIONAL ACTIVITIES - USMC														
CPL	6033	6092		42		0		0		0		0		0
CPL	6043	6092		54		0		0		0		0		0
CPL	6092			60		0		0		0		0		0
CPL	6092	6043		2		0		0		0		0		0
GYSGT	6033	6092		7		0		0		0		0		0
GYSGT	6092			21		0		0		0		0		0
LCPL	6043	6092		57		0		0		0		0		0
LCPL	6092			68		0		0		0		0		0
SGT	6033	6092		62		0		0		0		0		0
SGT	6043	6092		34		0		0		0		0		0
SGT	6092			27		0		0		0		0		0
SGT	6092	6033		1		0		0		0		0		0
SSGT	6033	6092		12		0		0		0		0		0
SSGT	6043	6092		7		0		0		0		0		0
SSGT	6092			19		0		0		0		0		0
USMC OPERATIONAL ACTIVITIES - AR														
GYSGT	6092			1		0		0		0		0		0
SSGT	6092			1		0		0		0		0		0
USMC OPERATIONAL ACTIVITIES - SMCR														
CPL	6092			1		0		0		0		0		0
CPL	6092	6033		8		0		0		0		0		0
GYSGT	6092			2		0		0		0		0		0
LCPL	6092			3		0		0		0		0		0
SGT	6033	6092		2		0		0		0		0		0
SGT	6043	6092		4		0		0		0		0		0
SGT	6092			4		0		0		0		0		0
SGT	6092	6033		2		0		0		0		0		0
SGT	6092	6043		2		0		0		0		0		0

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS		PFYs OFF ENL	CFY04 OFF ENL	FY05 OFF ENL	FY06 OFF ENL	FY07 OFF ENL	FY08 OFF ENL
SSGT	6033	6092	2	0	0	0	0	0
SSGT	6092		2	0	0	0	0	0
SSGT	6092	6043	2	0	0	0	0	0
USN FLEET SUPPORT ACTIVITIES - ACDU								
AMC	7232		8	0	0	0	0	0
AMC	7232	9502	1	0	0	0	0	0
AM1	7222	7232	1	0	0	0	0	0
AM1	7225	7232	3	0	0	0	0	0
AM1	7232		29	0	0	0	0	0
AM1	7232	7222	5	0	0	0	0	0
AM1	7232	9595	2	0	0	0	0	0
AM1	8361	7232	6	0	0	0	0	0
AM2	7222	7232	4	0	0	0	0	0
AM2	7225	7232	2	0	0	0	0	0
AM2	7232		75	0	0	0	0	0
AM2	7232	7222	4	0	0	0	0	0
AM2	7232	9595	1	0	0	0	0	0
AM2	8361	7232	6	0	0	0	0	0
AM3	7222	7232	2	0	0	0	0	0
AM3	7225	7232	2	0	0	0	0	0
AM3	7232		96	0	0	0	0	0
AM3	7232	7222	1	0	0	0	0	0
AMAN	7232		17	0	0	0	0	0
USN FLEET SUPPORT ACTIVITIES - TAR								
AM1	7232		6	0	0	0	0	0
AM1	7232	7225	3	0	0	0	0	0
AM2	7222	7232	1	0	0	0	0	0
AM2	7225	7232	4	0	0	0	0	0
AM2	7232		6	0	0	0	0	0
AM3	7222	7232	1	0	0	0	0	0
AM3	7232		5	0	0	0	0	0
AMAN	7232		3	0	0	0	0	0
USN FLEET SUPPORT ACTIVITIES - SELRES								
AM1	7232		1	0	0	0	0	0
AM2	7232		9	0	0	0	0	0
AM3	7232		4	0	0	0	0	0
USMC FLEET SUPPORT ACTIVITIES - USMC								
CPL	6092		1	0	0	0	0	0
GYSGT	6033	6092	1	0	0	0	0	0
GYSGT	6092		1	0	0	0	0	0
LCPL	6092		1	0	0	0	0	0
SGT	6033	6092	1	0	0	0	0	0
SGT	6092		2	0	0	0	0	0
SSGT	6033	6092	2	0	0	0	0	0

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY04 OFF	CFY04 ENL	FY05 OFF	FY05 ENL	FY06 OFF	FY06 ENL	FY07 OFF	FY07 ENL	FY08 OFF	FY08 ENL
SSGT	6092		2		0		0		0		0		0
SSGT	6092 9954		1		0		0		0		0		0

SUMMARY TOTALS:

USN OPERATIONAL ACTIVITIES - ACDU			83		0		0		0		0		0
USN OPERATIONAL ACTIVITIES - TAR			11		0		0		0		0		0
USMC OPERATIONAL ACTIVITIES - USMC			473		0		0		0		0		0
USMC OPERATIONAL ACTIVITIES - AR			2		0		0		0		0		0
USMC OPERATIONAL ACTIVITIES - SMCR			34		0		0		0		0		0
USN FLEET SUPPORT ACTIVITIES - ACDU			265		0		0		0		0		0
USN FLEET SUPPORT ACTIVITIES - TAR			29		0		0		0		0		0
USN FLEET SUPPORT ACTIVITIES - SELRES			14		0		0		0		0		0
USMC FLEET SUPPORT ACTIVITIES - USMC			12		0		0		0		0		0

GRAND TOTALS:

USN - ACDU			348		0		0		0		0		0
USN - TAR			40		0		0		0		0		0
USN - SELRES			14		0		0		0		0		0
USMC - USMC			485		0		0		0		0		0
USMC - AR			2		0		0		0		0		0
USMC - SMCR			34		0		0		0		0		0

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

DESIG RATING	PNEC/SNEC PMOS/SMOS		PFYs OFF	PFYs ENL	CFY04 OFF	CFY04 ENL	FY05 OFF	FY05 ENL	FY06 OFF	FY06 ENL	FY07 OFF	FY07 ENL	FY08 OFF	FY08 ENL
TRAINING ACTIVITY, LOCATION, UIC: MTU 1038 CNATTU Lemoore, 66060														
INSTRUCTOR BILLETS														
USN														
AM1	7232	9502	0	3	0	3	0	3	0	3	0	3	0	3
TOTAL:			0	3	0	3	0	3	0	3	0	3	0	3
TRAINING ACTIVITY, LOCATION, UIC: MTU 1039 CNATTU Oceana, 66045														
INSTRUCTOR BILLETS														
USN														
AM1	7232	9502	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

II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs OFF	PFYs ENL	CFY04 OFF	CFY04 ENL	FY05 OFF	FY05 ENL	FY06 OFF	FY06 ENL	FY07 OFF	FY07 ENL	FY08 OFF	FY08 ENL
MTU 1039 CNATTU Oceana, 66045													
	USN	0.0	13.4	0.0	4.7	0.0	4.7	0.0	4.7	0.0	4.7	0.0	4.7
	USMC	0.0	14.9	0.0	4.0	0.0	4.0	0.0	4.0	0.0	4.0	0.0	4.0
MTU 1038 CNATTU Lemoore, 66060													
	USN	0.0	10.3	0.0	3.6	0.0	3.6	0.0	3.6	0.0	3.6	0.0	3.6
	USMC	0.0	16.3	0.0	4.4	0.0	4.4	0.0	4.5	0.0	4.4	0.0	4.4
SUMMARY TOTALS:													
	USN	0.0	23.7	0.0	8.3	0.0	8.3	0.0	8.3	0.0	8.3	0.0	8.3
	USMC	0.0	31.2	0.0	8.4	0.0	8.4	0.0	8.5	0.0	8.4	0.0	8.4
GRAND TOTALS:		0.0	54.9	0.0	16.7	0.0	16.7	0.0	16.8	0.0	16.7	0.0	16.7

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY04 +/-	CFY04 CUM	FY05 +/-	FY05 CUM	FY06 +/-	FY06 CUM	FY07 +/-	FY07 CUM	FY08 +/-	FY08 CUM
a. OFFICER - USN			Not Applicable										
b. ENLISTED - USN													
Operational Billets ACDU and TAR													
AM1	7232		21	0	21	0	21	0	21	0	21	0	21
AM1	7232	7222	12	0	12	0	12	0	12	0	12	0	12
AM1	7232	8332	1	0	1	0	1	0	1	0	1	0	1
AM2	7222	7232	13	0	13	0	13	0	13	0	13	0	13
AM2	7232		24	0	24	0	24	0	24	0	24	0	24
AM3	7232		12	0	12	0	12	0	12	0	12	0	12
AM3	7232	7225	2	0	2	0	2	0	2	0	2	0	2
AM3	7232	8832	1	0	1	0	1	0	1	0	1	0	1
AMAN	7232		8	0	8	0	8	0	8	0	8	0	8
Fleet Support Billets ACDU and TAR													
AMC	7232		8	0	8	0	8	0	8	0	8	0	8
AMC	7232	9502	1	0	1	0	1	0	1	0	1	0	1
AM1	7222	7232	1	0	1	0	1	0	1	0	1	0	1
AM1	7225	7232	3	0	3	0	3	0	3	0	3	0	3
AM1	7232		35	0	35	0	35	0	35	0	35	0	35
AM1	7232	7222	5	0	5	0	5	0	5	0	5	0	5
AM1	7232	7225	3	0	3	0	3	0	3	0	3	0	3
AM1	7232	9595	2	0	2	0	2	0	2	0	2	0	2
AM1	8361	7232	6	0	6	0	6	0	6	0	6	0	6
AM2	7222	7232	5	0	5	0	5	0	5	0	5	0	5
AM2	7225	7232	6	0	6	0	6	0	6	0	6	0	6
AM2	7232		81	0	81	0	81	0	81	0	81	0	81
AM2	7232	7222	4	0	4	0	4	0	4	0	4	0	4
AM2	7232	9595	1	0	1	0	1	0	1	0	1	0	1
AM2	8361	7232	6	0	6	0	6	0	6	0	6	0	6
AM3	7222	7232	3	0	3	0	3	0	3	0	3	0	3
AM3	7225	7232	2	0	2	0	2	0	2	0	2	0	2
AM3	7232		101	0	101	0	101	0	101	0	101	0	101
AM3	7232	7222	1	0	1	0	1	0	1	0	1	0	1
AMAN	7232		20	0	20	0	20	0	20	0	20	0	20
Staff Billets ACDU and TAR													
AM1	7232	9502	5	0	5	0	5	0	5	0	5	0	5
Chargeable Student Billets ACDU and TAR													
			24	-15	9	0	9	0	9	0	9	0	9

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY04 +/-	CFY04 CUM	FY05 +/-	FY05 CUM	FY06 +/-	FY06 CUM	FY07 +/-	FY07 CUM	FY08 +/-	FY08 CUM
SELRES Billets													
AM1	7232		1	0	1	0	1	0	1	0	1	0	1
AM2	7232		9	0	9	0	9	0	9	0	9	0	9
AM3	7232		4	0	4	0	4	0	4	0	4	0	4
TOTAL USN ENLISTED BILLETS:													
Operational			94	0	94	0	94	0	94	0	94	0	94
Fleet Support			294	0	294	0	294	0	294	0	294	0	294
Staff			5	0	5	0	5	0	5	0	5	0	5
Chargeable Student			24	-15	9	0	9	0	9	0	9	0	9
SELRES			14	0	14	0	14	0	14	0	14	0	14

c. OFFICER - USMC Not Applicable

d. ENLISTED - USMC

Operational Billets USMC and AR													
CPL	6033	6092	42	0	42	0	42	0	42	0	42	0	42
CPL	6043	6092	54	0	54	0	54	0	54	0	54	0	54
CPL	6092		60	0	60	0	60	0	60	0	60	0	60
CPL	6092	6043	2	0	2	0	2	0	2	0	2	0	2
GYSGT	6033	6092	7	0	7	0	7	0	7	0	7	0	7
GYSGT	6092		22	0	22	0	22	0	22	0	22	0	22
LCPL	6043	6092	57	0	57	0	57	0	57	0	57	0	57
LCPL	6092		68	0	68	0	68	0	68	0	68	0	68
SGT	6033	6092	62	0	62	0	62	0	62	0	62	0	62
SGT	6043	6092	34	0	34	0	34	0	34	0	34	0	34
SGT	6092		27	0	27	0	27	0	27	0	27	0	27
SGT	6092	6033	1	0	1	0	1	0	1	0	1	0	1
SSGT	6033	6092	12	0	12	0	12	0	12	0	12	0	12
SSGT	6043	6092	7	0	7	0	7	0	7	0	7	0	7
SSGT	6092		20	0	20	0	20	0	20	0	20	0	20
Fleet Support Billets USMC and AR													
CPL	6092		1	0	1	0	1	0	1	0	1	0	1
GYSGT	6033	6092	1	0	1	0	1	0	1	0	1	0	1
GYSGT	6092		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	CFY04 +/-	CFY04 CUM	FY05 +/-	FY05 CUM	FY06 +/-	FY06 CUM	FY07 +/-	FY07 CUM	FY08 +/-	FY08 CUM
LCPL	6092		1	0	1	0	1	0	1	0	1	0	1
SGT	6033	6092	1	0	1	0	1	0	1	0	1	0	1
SGT	6092		2	0	2	0	2	0	2	0	2	0	2
SSGT	6033	6092	2	0	2	0	2	0	2	0	2	0	2
SSGT	6092		2	0	2	0	2	0	2	0	2	0	2
SSGT	6092	9954	1	0	1	0	1	0	1	0	1	0	1
Chargeable Student Billets USMC and AR													
			32	-23	9	0	9	0	9	0	9	0	9
SMCR Billets													
CPL	6092		1	0	1	0	1	0	1	0	1	0	1
CPL	6092	6033	8	0	8	0	8	0	8	0	8	0	8
GYSGT	6092		2	0	2	0	2	0	2	0	2	0	2
LCPL	6092		3	0	3	0	3	0	3	0	3	0	3
SGT	6033	6092	2	0	2	0	2	0	2	0	2	0	2
SGT	6043	6092	4	0	4	0	4	0	4	0	4	0	4
SGT	6092		4	0	4	0	4	0	4	0	4	0	4
SGT	6092	6033	2	0	2	0	2	0	2	0	2	0	2
SGT	6092	6043	2	0	2	0	2	0	2	0	2	0	2
SSGT	6033	6092	2	0	2	0	2	0	2	0	2	0	2
SSGT	6092		2	0	2	0	2	0	2	0	2	0	2
SSGT	6092	6043	2	0	2	0	2	0	2	0	2	0	2

TOTAL USMC ENLISTED BILLETS:

Operational	475	0	475	0	475	0	475	0	475	0	475
Fleet Support	12	0	12	0	12	0	12	0	12	0	12
Chargeable Student	32	-23	9	0	9	0	9	0	9	0	9
SMCR	34	0	34	0	34	0	34	0	34	0	34

II.B. PERSONNEL REQUIREMENTS

II.B.1 ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: D-603-4007, Airframes Intermediate Maintenance
COURSE LENGTH: 4.4 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% USMC: 0% **BACKOUT FACTOR:** 0.09

TRAINING		ACDU/TAR	CFY04		FY05		FY06		FY07		FY08	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1039 CNATTU Oceana												
	USN	ACDU		53		53		53		53		53
		TAR		8		8		8		8		8
		SELRES		1		1		1		1		1
	USMC	USMC		49		49		49		49		49
		SMCR		2		2		2		2		2
		TOTAL:		113		113		113		113		113

IN, COURSE TITLE: E-603-4007, Airframes Intermediate Maintenance
COURSE LENGTH: 4.4 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% USMC: 0% **BACKOUT FACTOR:** 0.09

TRAINING		ACDU/TAR	CFY04		FY05		FY06		FY07		FY08	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1038 CNATTU Lemoore												
	USN	ACDU		43		43		43		43		43
		TAR		3		3		3		3		3
		SELRES		1		0		1		0		1
	USMC	USMC		53		53		53		53		53
		AR		0		0		1		0		0
		SMCR		1		1		1		1		1
		TOTAL:		101		100		102		100		101

PART III - TRAINING REQUIREMENTS

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

III.A.1. Initial Training Requirements

III.A.2. Follow-on Training

- III.A.2.b. Planned Courses
- III.A.2.c. Unique Courses

III.A.3. Existing Training Phased Out

III.A.2. FOLLOW-ON TRAINING

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-603-4007, Airframes Intermediate Maintenance
TRAINING ACTIVITY: MTU 1039 CNATTU
LOCATION, UIC: NAS Oceana, 66045

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

CFY04		FY05		FY06		FY07		FY08		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
61		61		61		61		61		ATIR
55		55		55		55		55		Output
4.7		4.7		4.7		4.7		4.7		AOB
4.7		4.7		4.7		4.7		4.7		Chargeable

SOURCE: USN **STUDENT CATEGORY:** SELRES

CFY04		FY05		FY06		FY07		FY08		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
1		1		1		1		1		ATIR
1		1		1		1		1		Output
0.1		0.1		0.1		0.1		0.1		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

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

CFY04		FY05		FY06		FY07		FY08		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
49		49		49		49		49		ATIR
49		49		49		49		49		Output
4.0		4.0		4.0		4.0		4.0		AOB
4.0		4.0		4.0		4.0		4.0		Chargeable

SOURCE: USMC **STUDENT CATEGORY:** SMCR

CFY04		FY05		FY06		FY07		FY08		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
2		2		2		2		2		ATIR
2		2		2		2		2		Output
0.2		0.2		0.2		0.2		0.2		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: E-603-4007, Airframes Intermediate Maintenance
TRAINING ACTIVITY: MTU 1038 CNATTU
LOCATION, UIC: NAS Lemoore, 66060

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

CFY04		FY05		FY06		FY07		FY08		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
46		46		46		46		46		ATIR
41		41		41		41		41		Output
3.6		3.6		3.6		3.6		3.6		AOB
3.6		3.6		3.6		3.6		3.6		Chargeable

SOURCE: USN **STUDENT CATEGORY:** SELRES

CFY04		FY05		FY06		FY07		FY08		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
1		0		1		0		1		ATIR
1		0		1		0		1		Output
0.1		0.0		0.1		0.0		0.1		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

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

CFY04		FY05		FY06		FY07		FY08		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
53		53		54		53		53		ATIR
53		53		54		53		53		Output
4.4		4.4		4.5		4.4		4.4		AOB
4.4		4.4		4.5		4.4		4.4		Chargeable

SOURCE: USMC **STUDENT CATEGORY:** SMCR

CFY04		FY05		FY06		FY07		FY08		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
1		1		1		1		1		ATIR
1		1		1		1		1		Output
0.1		0.1		0.1		0.1		0.1		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

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

IV.A Training Hardware

IV.A.2 Training Devices

IV.B Courseware Requirements

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

IV.A. TRAINING HARDWARE

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

CIN, COURSE TITLE: C-603-3868, Advanced Composite Material Maintenance (Track D-603-4007)
TRAINING ACTIVITY: MTU 1039 CNATTU
LOCATION, UIC: NAS Oceana, 66045

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
001	Welding Machine (Part No. R600)	1	May 92	GFE	Onboard
002	DC Power Supply (Part No. HP63269A)	5	May 92	GFE	Onboard
ST					
201	Freezer, 0 Degree Capable (Part No. PR-50G)	1	May 92	GFE	Onboard
202	Shop Vacuum Wet/Dry (Part No. MIL-C-24593)	4	May 92	GFE	Onboard
203	Triple Beam Balance, 0.1 Gram Graduations (Part No. S3450)	3	May 92	GFE	Onboard
204	Drill Motor, Variable Speed (Part No. UDB 7AL-3)	4	May 92	GFE	Onboard
205	Align-A-Drill, Feed Control (Part No. 218101)	4	May 92	GFE	Onboard
206	Microstop Countersink Cage (Part No. UDB218330)	8	May 92	GFE	Onboard
207	Composi-Loc Tool, Pneumatic (Part No. MP550BFF-8AA)	4	May 92	GFE	Onboard
208	Composi-Loc Tool, Hand (Part No. MHC75B-8AA)	4	May 92	GFE	Onboard
209	Repair Console (Part No. 1935AS100-1A)	4	May 92	GFE	Onboard
210	Router Motor, Rear Exhaust STRT 20,000 RPM (Part No. 8827)	4	May 92	GFE	Onboard
211	Sander, Disc Pneumatic, Portable (Part No. 10L12380-36)	4	May 92	GFE	Onboard
212	Router Drill (Part No. D-23L)	4	May 92	GFE	Onboard
213	Router Holder (Part No. 84-232)	4	May 92	GFE	Onboard
214	Drill Bushing, Renewable Slip/Fixed (Local Manufacture)	4	May 92	GFE	Onboard
215	Drill Block Bushing for S/F Renewable (Local Manufacture)	8	May 92	GFE	Onboard
216	Nose Adapter, Pneumatic (Part No. MPPBF-8)	4	May 92	GFE	Onboard
217	Nose Adapter, Hand (Part No. DNH8)	4	May 92	GFE	Onboard
218	Band Saw (Part No. 28-281)	1	May 92	GFE	Onboard
301	Flaw Detector (Part No. QFT-1N)	2	May 92	GFE	Onboard
302	Transducer, 0.500 Diameter, 2.25 MHz (Part No. 221549)	2	May 92	GFE	Onboard

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

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
303	Transducer, 0.500 Diameter, 1.5 MHz (Part No. 560-131)	2	May 92	GFE	Onboard
304	Transducer, 0.375 Diameter, 2.25 MHz (Part No. 560-132)	2	May 92	GFE	Onboard
GPETE					
401	Multimeter (Part No. 77/BN)	6	May 92	GFE	Onboard

CIN, COURSE TITLE: C-603-3868, Advanced Composite Material Maintenance (Track E-603-4007)
TRAINING ACTIVITY: MTU 1038 CNATTU
LOCATION, UIC: NAS Lemoore, 66060

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
001	Welding Machine (Part No. R600)	1	Sep 87	GFE	Onboard
002	DC Power Supply (Part No. HP63269A)	5	Sep 87	GFE	Onboard
ST					
201	Freezer, 0 Degree Capable (Part No. PR-50G)	1	Sep 87	GFE	Onboard
202	Shop Vacuum Wet/Dry (Part No. MIL-C-24593)	4	Sep 87	GFE	Onboard
203	Triple Beam Balance, 0.1 Gram Graduations (Part No. S3450)	3	Sep 87	GFE	Onboard
204	Drill Motor, Variable Speed (Part No. UDB 7AL-3)	4	Sep 87	GFE	Onboard
205	Align-A-Drill, Feed Control (Part No. 218101)	4	Sep 87	GFE	Onboard
206	Microstop Countersink Cage (Part No. UDB218330)	8	Sep 87	GFE	Onboard
207	Composi-Loc Tool, Pneumatic (Part No. MP550BFF-8AA)	4	Sep 87	GFE	Onboard
208	Composi-Loc Tool, Hand (Part No. MHC75B-8AA)	4	Sep 87	GFE	Onboard
209	Repair Console (Part No. 1935AS100-1A)	4	Sep 87	GFE	Onboard
210	Router Motor, Rear Exhaust STRT 20,000 RPM (Part No. 8827)	4	Sep 87	GFE	Onboard
211	Sander, Disc Pneumatic, Portable (Part No. 10L12380-36)	4	Sep 87	GFE	Onboard
212	Router Drill (Part No. D-23L)	4	Sep 87	GFE	Onboard
213	Router Holder (Part No. 84-232)	4	Sep 87	GFE	Onboard
214	Drill Bushing, Renewable Slip/Fixed (Local Manufacture)	4	Sep 87	GFE	Onboard
215	Drill Block Bushing for S/F Renewable (Local Manufacture)	8	Sep 87	GFE	Onboard

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

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
216	Nose Adapter, Pneumatic (Part No. MPPBF-8)	4	Sep 87	GFE	Onboard
217	Nose Adapter, Hand (Part No. DNH8)	4	Sep 87	GFE	Onboard
218	Band Saw (Part No. 28-281)	1	Sep 87	GFE	Onboard
301	Flaw Detector (Part No. QFT-1N)	2	Sep 87	GFE	Onboard
302	Transducer, 0.500 Diameter, 2.25 MHz (Part No. 221549)	2	Sep 87	GFE	Onboard
303	Transducer, 0.500 Diameter, 1.5 MHz (Part No. 560-131)	2	Sep 87	GFE	Onboard
304	Transducer, 0.375 Diameter, 2.25 MHz (Part No. 560-132)	2	Sep 87	GFE	Onboard
GPETE					
401	Multimeter (Part No. 77/BN)	6	Sep 87	GFE	Onboard

IV.B. COURSEWARE REQUIREMENTS

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

CIN, COURSE TITLE: C-603-3868, Advanced Composite Material Maintenance (Track D-603-4007)
TRAINING ACTIVITY: MTU 1039 CNATTU
LOCATION, UIC: NAS Oceana, 66045

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Aircraft Component Repair Zone Training Aid	2	May 92	Onboard
Blind Side Repair Box	4	May 92	Onboard
Damaged Structure, Pits, Cracks, etc.	2	May 92	Onboard
Instructor Guide	3	May 92	Onboard
Student Evaluation Sheet	50	May 92	Onboard
Student Guide	50	May 92	Onboard
Student Workbook	50	May 92	Onboard
Transparencies (Set of 41)	3 sets	May 92	Onboard
Vacuum Bag Kit	1	May 92	Onboard

CIN, COURSE TITLE: C-603-3868, Advanced Composite Material Maintenance (Track E-603-4007)
TRAINING ACTIVITY: MTU 1038 CNATTU
LOCATION, UIC: NAS Lemoore, 66060

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Aircraft Component Repair Zone Training Aid	2	Sep 92	Onboard
Blind Side Repair Box	4	Sep 87	Onboard
Damaged Structure, Pits, Cracks, etc.	2	Sep 87	Onboard
Instructor Guide	3	Sep 87	Onboard
Student Evaluation Sheet	50	Sep 87	Onboard
Student Guide	50	Sep 87	Onboard
Student Workbook	50	Sep 87	Onboard
Transparencies (Set of 41)	3 sets	Sep 87	Onboard
Vacuum Bag Kit	1	Sep 87	Onboard

IV.B.3. TECHNICAL MANUALS

CIN, COURSE TITLE: C-603-3868, Advanced Composite Material Maintenance (Track D-603-4007)
TRAINING ACTIVITY: MTU 1039 CNATTU
LOCATION, UIC: NAS Oceana, 66045

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
001 Composite Material Handbook	Hard copy	8	May 92	Onboard
002 Encyclopedia of Composite Materials and Components	Hard copy	8	May 92	Onboard
003 Handbook of Composites	Hard copy	8	May 92	Onboard
A1-AV-8BB-SRM-250 AV-8B Structural Repair Manual	Hard copy	8	May 92	Onboard
A1-F18AC-SRM-241 F/A-18 Structural Repair Manual Typical Repair	Hard copy	8	May 92	Onboard
A1-F18AC-SRM-250 F/A-18 Structural Repair Manual Typical Repair	Hard copy	8	May 92	Onboard
A1-H60BB-SRM-000 SH-60 Structural Repair Manual	Hard copy	8	May 92	Onboard
MIL-HDBK-691B Military Standardization Handbook for Adhesives	Hard copy	8	May 92	Onboard
NA-01-1A-21 General Composite Repair	Hard copy	8	May 92	Onboard
NA-01-1A-22 Aircraft Radomes and Antenna Covers	Hard copy	8	May 92	Onboard
NAVAIRMEDINST Brief Review of the Carbon Fiber Problem and Potential Pulmonary Hazards	Hard copy	8	May 92	Onboard

CIN, COURSE TITLE: C-603-3868, Advanced Composite Material Maintenance (Track E-603-4007)
TRAINING ACTIVITY: MTU 1038 CNATTU
LOCATION, UIC: NAS Lemoore, 66060

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
001 Composite Material Handbook	Hard copy	8	Sep 87	Onboard

IV.B.3. TECHNICAL MANUALS

002 Encyclopedia of Composite Materials and Components	Hard copy	8	Sep 87	Onboard
003 Handbook of Composites	Hard copy	8	Sep 87	Onboard
A1-AV-8BB-SRM-250 AV-8B Structural Repair Manual	Hard copy	8	Sep 87	Onboard
A1-F18AC-SRM-241 F/A-18 Structural Repair Manual Typical Repair	Hard copy	8	Sep 87	Onboard
A1-F18AC-SRM-250 F/A-18 Structural Repair Manual Typical Repair	Hard copy	8	Sep 87	Onboard
A1-H60BB-SRM-000 SH-60 Structural Repair Manual	Hard copy	8	Sep 87	Onboard
MIL-HDBK-691B Military Standardization Handbook for Adhesives	Hard copy	8	Sep 87	Onboard
NA-01-1A-21 General Composite Repair	Hard copy	8	Sep 87	Onboard
NA-01-1A-22 Aircraft Radomes and Antenna Covers	Hard copy	8	Sep 92	Onboard
NAVAIRMEDINST Brief Review of the Carbon Fiber Problem and Potential Pulmonary Hazards	Hard copy	8	Sep 87	Onboard

PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
PDA	Conducted Analysis of MPT Requirements	Jan 84	Complete
PDA	Distributed Draft NTP	Feb 87	Complete
TA	Began Follow-on Training MTU 1038	Oct 87	Complete
PDA	Reviewed and Updated Analysis of MPT Requirements	Nov 91	Complete
TA	Began Follow-on Training MTU 1039	May 92	Complete
ACNO	Promulgated Updated NTP	Jul 92	Complete
CMC	Established MOS 6092	FY94	Complete
TSA	Promulgated Updated NTP	Nov 96	Complete
TSA	Promulgated Updated NTSP	May 01	Complete
TSA	Develop Updated Draft NTSP	Mar 04	Complete
TSA	Distribute Updated Draft NTSP for Review	Apr 04	Pending
TSA	Develop Proposed NTSP	FY04	Pending

PART VI - DECISION ITEMS / ACTION REQUIRED

DECISION ITEM OR ACTION REQUIRED	COMMAND ACTION	DUE DATE	STATUS
None			

PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
CAPT John Chase Deputy Aviation Maintenance Programs CNO, N781 john.chase@navy.mil	**COMM:** (703) 604-7747 **DSN:** 664-7747 **FAX:** (703) 604-6972
MAJ Theodore Kline Resource Sponsor / Program Sponsor CNO, N785C6 theodore.kline@navy.mil	**COMM:** (703) 604-7765 **DSN:** 664-7765 **FAX:** (703) 604-6972
AZC Daniel Burlile NTSP Manager CNO, N782B3A daniel.burlile@navy.mil	**COMM:** (703) 604-7709 **DSN:** 664-7709 **FAX:** (703) 604-6972
LCDR Jim Arend Aviation Manpower CNO, N122C1C james.arend@navy.mil	**COMM:** (703) 695-3223 **DSN**: 225-3223 **FAX**: (703) 614-5308
CAPT Michael Disano Professional Development Division Director CNO, N00T3 michael.disano@navy.mil	**COMM:** (703) 602-5172 **DSN**: 332-5172 **FAX**: (703) 602-5175
Mr. Robert Zweibel Human Performance and Acquisition Assessment Division CNO, N00T46 robert.zweibel@navy.mil	**COMM:** (703) 602-5151 **DSN**: 332-5151 **FAX**: (703) 602-5175
COL C. R. Spofford, USMC Head, USMC Aviation Manpower Support Branch HQMC, ASM-1 spoffordcr@hqmc.usmc.mil	**COMM:** (703) 693-9846 **DSN:** 223-9846 **FAX:** (703) 614-1309
MAJ John Gackle, USMC USMC Aircraft Maintenance Officer CMC, ASL-33 gacklejo@hqmc.usmc.mil	**COMM:** (703) 614-1187 **DSN:** 224-1187 **FAX:** (703) 697-7343
LCDR Michael Huff Training Systems Manager, Common Support Equipment NAVAIR, PMA2053E1 michael.r.huff@navy.mil	**COMM:** (301) 757-8144 **DSN**: 757-8144 **FAX**: (301) 757-6945
AZCM Kevin Green AMTCS Training Systems Manager NAVAIR, PMA205B1 kevin.green@navy.mil	**COMM:** (301) 757-8120 **DSN**: 757-8120 **FAX**: (301) 757-6941
Mr. David Morris Manpower Team NAVAIR, AIR 3.2.6 david.m.morris@navy.mil	**COMM:** (301) 757-8313 **DSN:** 757-8313 **FAX:** (301) 342-7737

PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
AECS Rob Gunther Manpower Team NAVAIR, AIR 3.2.6 robert.gunther@navy.mil	COMM: (301) 757-3089 **DSN:** 757-3089 **FAX:** (301) 342-7737
AEC Jody Malinich Manpower Team NAVAIR, AIR 3.2.6 jody.malinich@navy.mil	**COMM:** (301) 757-3108 **DSN:** 757-3108 **FAX:** (301) 342-7737
CAPT Jorge Sierra Branch Head, Training Requirements and Assessments COMLANTFLT, N72 jorge.sierra@navy.mil	**COMM:** (757) 836-6495 **DSN**: 836-6495 **FAX**: (757) 836-6794
CDR Mike Hohl Aviation NTSP Point Of Contact COMLANTFLT, N731 john.hohl@navy.mil	**COMM:** (757) 836-0085 **DSN**: 836-0085 **FAX**: (757) 836-6737
Mr. Bob Long Deputy Director for Training COMPACFLT, N70 robert.h.long@navy.mil	**COMM:** (808) 471-8513 **DSN**: 315-471-8513 (OUTCONUS) **FAX**: (808) 471-8596
ATC Keith Barbazon Air Training Programs COMNAVRESFORCOM, N734 keith.barbazon@navy.mil	**COMM:** (504) 678-1259 **DSN**: 678-1259 **FAX**: (504) 678-0134
Mr. Brett Hollowell NETC/NPDC NTSP Coordinator NPDC, N7 brett.hollowell@navy.mil	**COMM:** (757) 444-2269 ext. 3225 **DSN**: 564-2269 ext. 3225 **FAX**: (757) 445-8082
Mr. Steve Berk NTSP Distribution NETC, ETS-23 stephen.berk@navy.mil	**COMM:** (850) 452-8919 **DSN**: 922-8919 **FAX**: (850) 452-4853
AM1 Ronald K. Reed ACMR Course Manager CNATTU Lemoore ronald.k.reed@navy.mil	**COMM:** (559) 998-3940/41 **DSN**: 998-3940/41 **FAX**: (559) 998-2573
MAJ Robert J. Turpin, USMC Marine Integration Team Leader CNATT, N55 robert.turpin@navy.mil	**COMM:** (850) 452-9790 ext. 135 **DSN**: 922-9790 ext. 135 **FAX**: (850) 452-3262
ITCS Wayne Killingsworth PQS Development Group LCPO NETPDTC, N741 joseph.killingsworth@navy.mil	**COMM:** (850) 452-1001 ext. 2030 **DSN**: 922-1001 ext. 2030 **FAX**: (850) 452-1764

PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
ATCS Royce McKie PQS Development Group Production Officer NETPDTC, N741 royce.a.mckie@navy.mil	**COMM:** (850) 452-1001 ext. 2238 **DSN**: 922-1001 ext. 2238 **FAX**: (850) 452-1764
CAPT Robert Holland Deputy Assistant, Chief of Naval Personnel for Distribution NAVPERSCOM, PERS-4B robert.holland@navy.mil	**COMM:** (901) 874-3529 **DSN**: 882-3529 **FAX**: (901) 874-2606
CDR Dave Nelson Branch Head, Aviation Enlisted Assignments NAVPERSCOM, PERS-404 david.e.nelson2@navy.mil	**COMM:** (901) 874-3691 **DSN**: 882-3691 **FAX**: (901) 874-2642
LTCOL Henry Domingue, USMC Head, ACE Branch, TFS Division MCCDC, C5325A henry.domingue@nmci.usmc.mil	**COMM:** (703) 784-6241 **DSN:** 278-6241 **FAX:** (703) 784-6072
MSGT Mark Crampton, USMC USMC AMTCS Coordinator MCCDC, C4610 mark.crampton@usmc.mil	**COMM:** (703) 784-3708 **DSN:** 278-3708 **FAX:** (703) 784-3729
GYSGT E. B. Carter, USMC USMC MATMEP Coordinator MCCDC, C4610 eric.carter@usmc.mil	**COMM:** (703) 784-2839 **DSN:** 278-2839 **FAX:** (703) 784-3729
MSGT Anthony B. Rahatt, USMC USMC CBT Coordinator MCCDC, C4610 anthony.rahatt@usmc.mil	**COMM:** (703) 784-6879 **DSN:** 278-6879 **FAX:** (703) 784-3729
Mr. Charles Brown Assistant ACE Branch Head MCCDC, C5325B charles.brown@nmci.usmc.mil	**COMM:** (703) 784-6254 **DSN:** 278-6254 **FAX:** (703) 784-6072
CDR Rose Wynne Aviation Department Head NAVMAC, 30 rosemary.wynne@navy.mil	**COMM:** (901) 874-6218 **DSN**: 882-6218 **FAX**: (901) 874-6471
Ms. Susan Webb NTSP Coordinator NAVMAC, 30 susan.webb@navy.mil	**COMM:** (901) 874-6242 **DSN**: 882-6242 **FAX**: (901) 874-6471

PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
Mr. John Young AIMD Manpower Requirements NAVMAC, 31 john.a.young@navy.mil	**COMM:** (901) 874-6235 **DSN**: 882-6235 **FAX**: (901) 874-6471
Mr. Josiah Yates III Advanced Composite Training Leader NADEP Cherry Point, 4.3.4 yatesj@navair.navy.mil	**COMM:** (252) 464-8134 **DSN**: 451-8134 **FAX**: (252) 464-8108
Mr. Ken Workman LMTC Composites Engineer NADEP Cherry Point, 4.3.4.4 workmankb@navair.navy.mil	**COMM:** (252) 464-9884 **DSN**: 451-9884 **FAX**: (252) 464-8108
Mr. Phil Szczyglowski Manpower and NTSP Branch Head NAVAIR, AIR 3.2.6 philip.szczyglowski@navy.mil	**COMM:** (301) 757-8280 **DSN**: 757-8280 **FAX**: (301) 342-7737
Mr. Bob Kresge NTSP Manager NAVAIR, AIR 3.2.6 robert.kresge@navy.mil	**COMM:** (301) 757-1844 **DSN**: 757-1844 **FAX**: (301) 342-7737
ATC Jeff Rocheteau NTSP Coordinator NAVAIR, AIR 3.2.6 robert.rocheteau@navy.mil	**COMM:** (301) 757-8292 **DSN:** 757-8292 **FAX:** (301) 342-7737
AMC Jim Sirigos NTSP Coordinator NAVAIR, AIR 3.2.6 james.sirigos@navy.mil	**COMM:** (301) 757-3103 DSN: 757-3103 **FAX:** (301) 342-7737