

APPROVED
NAVY TRAINING SYSTEM PLAN
FOR
TOW TRACTORS

N88-NTSP-A-50-8411B

JUNE 1998

TOW TRACTORS

EXECUTIVE SUMMARY

This Navy Training System Plan identifies the manpower, personnel, and training requirements associated with a variety of tow tractors currently in the fleet. These include the A/S 32A-30, A/S 32A-30A, A/S 32A-31, A/S 32A-31A, A/S 32A-32, A/S 32A-37, A/S 32A-42, JG-75 series, and TA-75 series Tow Tractors. Tow tractors are used aboard aircraft carriers and at Navy and Marine Corps Air Stations to maneuver and park aircraft and non-propelled support equipment, to transport aircraft starting units, and to pull arresting gear cables aboard ships. The A/S 32A-31A completed delivery to the fleet in January 1998, and the A/S 32A-42 completed delivery to the fleet in March 1998. At that time, the remaining A/S 32A-31, JG-75 series, and TA-75 series Tow Tractors will be discontinued from the fleet. This replacement has been on a one-for-one basis. The A/S 32A-31A and A/S 32A-42 are currently in the Production, Fielding, Deployment, and Operational Support Phase in the Weapon System Acquisition Process. The other tow tractors are mature systems which are no longer in production.

Tow tractors are operated ashore and afloat by licensed Navy and Marine Corps aviation maintenance personnel, active duty and reserve, and other designated Department of Defense personnel. Licenses are obtained through local operator training provided by Aircraft Intermediate Maintenance Departments (AIMDs) and Marine Aviation Logistics Squadrons (MALs). Operator training consists of operational and preoperational inspections of the tow tractors located at that particular activity.

AIMDs and MALs are responsible for the majority of maintenance performed in support of tow tractors. Intermediate level maintenance is performed by Navy Aviation Support Equipment Technician (AS) personnel with Navy Enlisted Classification (NEC) 7618, Afloat Support Equipment Technician, and NEC 7607, Shore Support Equipment Tow Tractor Technician, and by Marine Corps personnel with Military Occupational Specialty (MOS) 6072, Aircraft Maintenance Ground Support Equipment/Hydraulics/Pneumatics/Structures Mechanic. At some locations, civilian contractors may perform intermediate level maintenance on tow tractors. The A/S 32A-32 is the only tow tractor that receives depot level maintenance, when required, through a commercial facility.

Due to the similarities of current and new production tow tractors and the one for one replacement, no additional maintenance manpower is required.

Tow tractor intermediate level maintenance courses are incorporated into three existing training tracks which must be completed to attain AS 7607, AS 7618, or MOS 6072. These courses are on-line and conducted at Maintenance Training Unit (MTU) 3032, Naval Air Maintenance Training Group Detachment (NAMTRAGRU DET) Jacksonville, Florida, and MTU 3033, NAMTRAGRU DET North Island, California.

TOW TRACTORS
TABLE OF CONTENTS

	Page	
Executive Summary.....	i	
List of Acronyms.....	iii	
Preface.....	vi	
 PART I - TECHNICAL PROGRAM DATA		
A. Title-Nomenclature-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-6	
I. On-Board (In-Service) Training	I-11	
J. Logistics Support.....	I-12	
K. Schedules.....	I-14	
L. Government Furnished Equipment and Contractor Furnished Equipment Training Requirements	I-14	
M. Related NTSPs and Other Applicable Documents.....	I-15	
 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

TOW TRACTORS

LIST OF ACRONYMS

ABH	Aviation Boatswain's Mate, Aircraft Handling
ACDU	Active Duty
AGF	Command Ship
AIMD	Aircraft Intermediate Maintenance Department
AMIST	Aviation Maintenance In-Service Training
AMTCS	Aviation Maintenance Training Continuum System
AOB	Average On Board
AR	Active Reserve
AS	Aviation Support Equipment Technician
ATIR	Annual Training Input Requirement
BUPERS	Bureau of Naval Personnel
CBT	Computer-Based Training
CFE	Contractor Furnished Equipment
CFY	Current Fiscal Year
CIN	Course Identification Number
CINCLANTFLT	Commander in Chief, United States Atlantic Fleet
CINCPACFLT	Commander in Chief, United States Pacific Fleet
CMC	Commandant of the Marine Corps
CNET	Chief of Naval Education and Training
CNO	Chief of Naval Operations
COMNAVAIRESFOR	Commander, Naval Air Reserve Force
COTS	Commercial Off The Shelf
CV	Aircraft Carrier
CVN	Multi-Purpose Aircraft Carrier, Nuclear
DoD	Department of Defense
FY	Fiscal Year
GFE	Government Furnished Equipment
GPETE	General Purpose Electronic 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

TOW TRACTORS

HMT	Marine Helicopter Training Squadron
HMX	Marine Helicopter Squadron
HQMC	Headquarters, Marine Corps
ILSP	Integrated Logistics Support Plan
IPB	Illustrated Parts Breakdown
LHA	Landing Ship, Helicopter Assault
LHD	Amphibious Assault Ship
LPD	Amphibious Transport Dock
LPH	Landing Platform, Helicopter
MAG	Marine Air Group
MALS	Marine Aviation Logistics Squadron
MATMEP	Maintenance Training Management and Evaluation Program
MATSG	Marine Aviation Training Support Group
MCAS	Marine Corps Air Station
MCS	Mine Countermeasures Ship
MMF	Mobile Maintenance Facility
MOS	Military Occupational Specialty
MPT	Manpower, Personnel, and Training
MSD	Material Support Date
MTIP	Maintenance Training Improvement Program
MTU	Maintenance Training Unit
NA	Not Applicable
NAF	Naval Air Facility
NAMTRAGRU DET	Naval Air Maintenance Training Group Detachment
NAMTRAGRU HQ	Naval Air Maintenance Training Group Headquarters
NAS	Naval Air Station
NAVAIRSYSCOM	Naval Air Systems Command
NAVSTA	Naval Station
NAWCAD	Naval Air Warfare Center, Aircraft Division
NAWCADLKE	Naval Air Warfare Center Aircraft Division Lakehurst
NEC	Navy Enlisted Classification
NS	Naval Station
NTP	Navy Training Plan
NTSP	Navy Training System Plan
OPNAV	Chief of Naval Operations
OPNAVINST	Chief of Naval Operations Instruction
OPO	OPNAV Principal Official

TOW TRACTORS

P/N	Part Number
PFY	Previous Fiscal Year
PMRF	Pacific Missile Range Facility
PMOS	Primary Military Occupational Specialty
PNEC	Primary Navy Enlisted Classification
RAIMD	Reserve Aircraft Intermediate Maintenance Department
RFT	Ready For Training
SE	Support Equipment
SELRES	Selected Reserve
SIMA	Shore-based Intermediate Maintenance Activity
SMCR	Selected Marine Corps Reserve
SMOS	Secondary Military Occupational Specialty
SNEC	Secondary Navy Enlisted Classification
SPETE	Special Purpose Electronic Test Equipment
SPTE	Special Purpose Test Equipment
TAR	Training and Administration, Reserves
TD	Training Device
TFMMS	Total Force Manpower Management System
TFS	Total Force Structure
TTE	Technical Training Equipment
UIC	Unit Identification Code
USMC	United States Marine Corps
VMA	Marine Attack Squadron
VMAQ	Marine Tactical Electronic Warfare Squadron
VMAT	Marine Attack Training Squadron
VMFA	Marine Fighter Attack Squadron
VMFAAW	Marine Fighter Attack All-Weather Squadron
VMFAT	Marine Fighter Attack Training Squadron
VMGR	Marine Aerial Refueler Transport Squadron
VMGRT	Marine Aerial Refueler Transport Training Squadron
VMR	Marine Transport Squadron
VMU	Marine Unmanned Air Vehicle Squadron
VXE	Navy Development Squadron

TOW TRACTORS

PREFACE

This Approved Navy Training System Plan (NTSP) was developed to update the Tow Tractors Draft Navy Training System Plan, A-50-8411B/P, submitted in March 1998. The Tow Tractors NTSP was updated to comply with guidelines set forth in the Navy Training Requirements Documentation Manual and reflects the latest information available, including comments received on the Draft version. Specifically, this includes updates to the new development introduction, MPT Milestones, and Points of Contact.

PART I - TECHNICAL PROGRAM DATA

A. TITLE-NOMENCLATURE-PROGRAM

- 1. **Nomenclature-Title-Acronym.** Tow Tractors
- 2. **Program Element.** 24161N

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 (N881B)
- OPO Resource Sponsor CNO (N881B)
- Marine Corps Program Sponsor..... CMC (ASL-33)
- Developing Agency..... NAWCADLKE (3.4.1)
- Training Agency CINCLANTFLT
CINCPACFLT
CNET
COMNAVAIRESFOR
CMC
- Training Support Agency..... NAVAIRSYSCOM (PMA205)
- Manpower and Personnel Mission Sponsor..... CNO (N12)
BUPERS (PERS 40, 404)
- Director of Naval Training CNO (N7)
- Marine Corps Combat Development Command
Manpower Management TFS Division

D. SYSTEM DESCRIPTION

1. Operational Uses. Tow tractors are used both ashore and afloat to position aircraft for pre-launch preparations, to relocate aircraft after recovery, and to move aircraft for maintenance purposes. Tow tractors are also used to move miscellaneous non-propelled support equipment (SE), pull arresting gear cables for inspection, and transport jet aircraft starting units. This NTSP addresses the Navy and Marine Corps requirements for the A/S 32A-30, A/S 32A-30A, A/S 32A-31, A/S 32A-31A, A/S 32A-32, A/S 32A-37, A/S 32A-42, JG-75/-1/-3, and TA-75A/B/C Tow Tractors.

2. Foreign Military Sales. Not Applicable (NA).

E. DEVELOPMENTAL TEST AND OPERATIONAL TEST. Technical Evaluation has been completed on all tow tractors. Operational Evaluation was not required.

F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED. Tow tractors are replaced as follows.

NEW TOW TRACTORS	REPLACED TOW TRACTORS
A/S 32A-30A	A/S 32A-30, Part Number (P/N) 8850RB (Supplements A/S 32A-30, P/N JG40-PT-16 and JG40-PT16A)
A/S 32A-31A	A/S 32A-31
A/S 32A-32	A/S 32A-33 and E.N. MOD Electric
A/S 32A-37	TA-30
A/S 32A-42	TA-75A, TA-75B, TA-75C, JG-75, JG-75-1, and JG-75-3

G. DESCRIPTION OF NEW DEVELOPMENT

1. Functional Description. A functional description is provided for all tow tractors, both old and new.

a. A/S 32A-30 and A/S 32A-30A. These tow tractors are designed for towing loads up to 40,000 pounds of non-propelled SE on improved surfaces. They can also be used to tow light aircraft and helicopters.

b. A/S 32A-31 and A/S 32A-31A. These tow tractors are used primarily to tow aircraft. A gas turbine compressor may be mounted at the rear of the tractor to provide pneumatic power in the form of compressed air for the operation of large pneumatic equipment, such as aircraft main engine starters and air conditioning systems.

c. **A/S 32A-32.** The A/S 32A-32 spotting dolly is used to maneuver and spot different types of aircraft in the confines of the hangar deck of an aircraft carrier. Maximum maneuverability is achieved by moving the aircraft on its own main landing gear with the nose gear elevated. The tow tractor's unique lifting linkage attaches to the aircraft's nose wheel and physically lifts it off the ground. The tow tractor can maneuver aircraft within a zero radius.

d. **A/S 32A-37.** This four-wheel drive tow tractor is designed to tow large aircraft. The drawbar pull rating is increased to approximately 35,000 pounds by addition of ballast weights.

e. **A/S 32A-42.** This mid-range aircraft tow tractor will replace the TA-75 series and JG-75 series tow tractors. With a drawbar pull rating of 10,000 pounds, this will be the future primary tow tractor for Navy and Marine Corps shore-based activities.

f. **JG-75, JG-75-1, and JG-75-3.** The JG-75 series tow tractor is designed for towing aircraft with up to 7,500 pounds drawbar pull. Towing pintle hooks are attached to both the front and rear of the tractor.

g. **TA-75A, TA-75B, and TA-75C.** The TA-75 series tow tractor is designed to tow aircraft. It has a maximum drawbar pull rating of 7,500 pounds on various improved surfaces ashore. Provision is made on the rear deck for mounting a gas turbine to be used for starting jet engines.

2. Physical Description

a. A/S 32A-30

Gross weight	6,400 pounds (without cab) 6,700 pounds (with cab)
Drawbar pull	4,000 pounds
Dimensions	103 inches length 72 inches width 62 inches height (without cab) 88 inches height (with cab)
Ground clearance	6.5 inches (without cab) 7.25 inches (with cab)
Turning radius	142 inches
Engine	Chrysler H-225, diesel, four cylinders

b. A/S 32A-30A

Gross weight	6,970 pounds
Drawbar pull	5,000 pounds
Dimensions	115.2 inches length 72 inches width 90 inches height
Ground clearance	5.5 inches

Turning radius 142 inches
Engine Continental Teledyne, diesel, four cylinders

c. A/S 32A-31

Gross weight 12,000 pounds
Drawbar pull 8,500 pounds
Dimensions 117 inches length
65 inches width
36 inches height
Ground clearance 7.5 inches
Turning radius 132 inches
Engine Detroit Diesel, two-cycle, three cylinders

d. A/S 32A-31A

Gross weight 12,400 pounds
Drawbar pull 10,000 pounds
Dimensions 115 inches length
70 inches width
40 inches height
Ground clearance 7.5 inches
Turning radius 132 inches
Engine Detroit Diesel, two-cycle, three cylinders

e. A/S 32A-32

Gross weight 11,200 pounds
Drawbar pull 10,000 pounds
Dimensions 148 inches length
81 inches width
29 inches height
Ground clearance 5 inches
Turning radius 0 inches
Engine Liquid-cooled diesel, three cylinders

f. A/S 32A-37

Gross weight 30,000 pounds (50,000 pounds with ballast)
Drawbar pull 20,000 pounds (35,000 pounds with ballast)
Dimensions 198 inches length
102 inches width
96 inches height
Ground clearance 13 inches
Turning radius 300 inches
Engine Cummins 6BTA5.9, diesel, six cylinders

g. A/S 32A-42

Gross weight	13,000 pounds
Drawbar pull	10,000 pounds
Dimensions	124 inches length 70 inches width 46 inches height
Ground clearance	7 inches
Turning radius	165 inches
Engine	Perkins, diesel, four cylinders

h. JG-75, JG-75-1, and JG-75-3

Gross weight	10,000 pounds
Drawbar pull	7,500 pounds
Dimensions	123.5 inches length 66 inches width JG-75: 40 inches height JG-75-1: 38 inches height JG-75-3: 38 inches height
Ground clearance	5.4 inches
Turning radius	124 inches
Engine	Chrysler IND-32, gasoline, six cylinders

i. TA-75A, TA-75B, and TA-75C

Gross weight	10,000 pounds
Drawbar pull	7,500 pounds
Dimensions	124 inches length (less pintle hook) 66 inches width 38 inches height
Ground clearance	5.4 inches
Turning radius	140 inches
Engine	Ford 302, gasoline, eight cylinders

3. New Development Introduction. The newest shore-based tow tractor, A/S 32A-42, is a Commercial Off The Shelf (COTS) procurement that replaced or supplemented current shore-based tractors used in the fleet.

4. Significant Interfaces. NA.

5. New Features, Configurations, or Material. NA.

H. CONCEPTS

1. Operational Concept. Tow tractors are operated ashore and afloat by licensed Navy and Marine Corps aviation maintenance personnel, active duty and reserve, and other designated Department of Defense (DoD) personnel. Licenses are obtained through local operator training provided by Aircraft Intermediate Maintenance Departments (AIMDs) and Marine Aviation Logistics Squadrons (MALs) as outlined in the Naval Aviation Maintenance Program, Chief of Naval Operations Instruction (OPNAVINST) 4790.2G.

2. Maintenance Concept. All tow tractor maintenance is performed per OPNAVINST 4790.2G, based on three levels of maintenance: organizational, intermediate, and depot.

a. Organizational. Organizational level maintenance is performed by Navy Aviation Boatswain's Mate, Aircraft Handling (ABH) personnel and other aviation maintenance ratings assigned to a ship's Air Department and V-1 Division, Navy and Marine Corps personnel assigned to a squadron's Work Center 310, and any selected DoD personnel screened by the requesting activities. Organizational maintenance is restricted to preoperational inspections and limited servicing per the Maintenance Requirement Cards.

b. Intermediate. Intermediate maintenance activities, both ashore and afloat, are responsible for the majority of maintenance performed in support of tow tractors. Intermediate level maintenance is performed by Navy Aviation Support Equipment Technician (AS) personnel with Navy Enlisted Classification (NEC) 7618, Afloat Support Equipment Technician, and NEC 7607, Shore Support Equipment Tow Tractor Technician, and by Marine Corps personnel with Military Occupational Specialty (MOS) 6072, Aircraft Maintenance Ground Support Equipment (GSE)/Hydraulics/Pneumatics/Structures Mechanic. Tow tractor maintenance is accomplished in the Support Equipment Division, Work Centers 910 and 920, of AIMDs and MALs. At some locations, civilian contractors may perform intermediate level maintenance on tow tractors.

(1) Preventive Maintenance. Preventive maintenance includes preoperational inspection, periodic inspection, cleaning, and servicing.

(2) Corrective Maintenance. Corrective maintenance includes fault isolation, testing, adjustments, and removal, replacement, and repair of components per the approved Maintenance Plan for each type of tow tractor.

c. Depot. The A/S 32A-32 is the only tow tractor that receives depot level maintenance, when required, through a commercial depot repair facility. Depot level maintenance actions include overhaul and repair of all major components, complete unit rebuilding, and equipment refurbishing.

d. Interim Maintenance. NA.

e. Life-Cycle Maintenance Plan. NA.

3. Manning Concept. Due to the similarities in the operation and maintenance of current and new production tow tractors, no additional manpower is required at the

organizational or intermediate levels of maintenance. No additional operator manpower is required since current tow tractors will be replaced one-for-one by new production models.

4. Training Concept. Operator training for the various tow tractors currently in the fleet is available locally at AIMDs and MALsSs using existing operator courses provided by Naval Air Maintenance Training Group Headquarters (NAMTRAGRU HQ). Tow tractor intermediate level maintenance courses are incorporated into three existing training tracks which AS personnel must complete to attain NECs 7607 or 7618 and Marine Corps personnel must complete to attain MOS 6072. These courses are conducted at Maintenance Training Unit (MTU) 3032, Naval Air Maintenance Training Group Detachment (NAMTRAGRU DET) Jacksonville, Florida, and MTU 3033, NAMTRAGRU DET North Island, California.

Navy Selected Reserve (SELRES) and Marine Selected Marine Corps Reserve (SMCR) personnel receive operator's licenses through their local AIMD, MALsS, or Ship's Air Department, V-1 Division. SELRES personnel are awarded NECs 7607, 7618 and SMCR personnel are awarded MOS 6072 through on-the-job training only.

a. Initial Training. All initial training for the tow tractors addressed in this NTSP has been completed.

b. Follow-on Training

(1) Operator Training. Tow tractor operator courses are conducted at local AIMDs and MALsSs for ABH, aviation maintenance, and selected DoD personnel. Each operator course provides personnel with the proper procedures to operate the tow tractor and perform preoperational inspections. All operator courses are one day long and are currently Ready For Training (RFT). Tow tractor operator courses are managed by NAMTRAGRU HQ.

In March 1998, delivery of the A/S 32A-42 Tow Tractors will be complete and the operator courses for the JG-75 series and TA-75 series Tow Tractors will no longer be required. These two courses, C-600-3313 and C-600-3278, will be terminated at that time. In January 1998, delivery of the A/S 32A-31A will be complete and the operator course, C-600-3221 will be revised to remove the A/S 32A-31 from the course.

TABLE I-1 TOW TRACTOR OPERATOR COURSES

COURSE NUMBER	COURSE TITLE	RFT DATE
C-600-3281	A/S 32A-30 Tow Tractor Operation	Mar 96
C-600-3263	A/S 32A-30A Tow Tractor Operation	Mar 96
C-600-3221	A/S 32A-31 and -31A Tow Tractor Operation	Oct 94
C-600-3328	A/S 32A-32 Aircraft Tow Tractor Operation	May 96
C-600-3331	A/S 32A-37 Tow Tractor Operation	May 95
C-600-3309	A/S 32A-42 Aircraft Tow Tractor Operation	Apr 96

COURSE NUMBER	COURSE TITLE	RFT DATE
C-600-3313	JG-75/-1/-3 Tow Tractor Operation	Apr 95
C-600-3278	TA-75A/B/C Tow Tractor Operation	Nov 95

(2) **Maintenance Training.** Intermediate level maintenance training is provided through three training tracks for AS 7607, AS 7618, and MOS 6072. These tracks are established at MTU 3032, NAMTRAGRU DET Jacksonville, and MTU 3033, NAMTRAGRU DET North Island.

(a) **Shore-Based Tow Tractor Intermediate Maintenance.** The shore-based tow tractor maintenance training track, D/E-602-7010 (depicted below), contains three courses for tow tractor intermediate level maintenance.

The "Support Equipment Shore Tractors and Related Intermediate Maintenance" course, C-602-3301, provides graduates with the knowledge and skills to operate, test, and maintain the A/S 32A-30, A/S 32A-30A, A/S 32A-31A, A/S 32A-42, TA-75 series, and JG-75 series Tow Tractors. This course is five weeks long.

The "A/S 32A-37 V1-V2 Heavy Aircraft Tow Tractor Intermediate Maintenance" course, C-602-3286, provides graduates with the knowledge and theory of the A/S 32A-37 Tow Tractor system analysis, troubleshooting, and repair, and the skills necessary to perform intermediate level maintenance. This course is two weeks long.

The "Aviation Support Equipment Technician Electrical" course, C-602-3263, provides graduates with the skills and knowledge to safely apply advanced electrical theory and troubleshooting techniques on SE. This course is two weeks long.

Title **Support Equipment Internal Combustion Engines and Related Systems Intermediate Maintenance**

Track..... D/E-602-7010

Model Manager ... MTU 3032, NAMTRAGRU DET Jacksonville

Description This training track provides intermediate maintenance training for shore-based tow tractors.

Locations MTU 3032, NAMTRAGRU DET Jacksonville
MTU 3033, NAMTRAGRU DET North Island

Length 65 days

RFT date On-line

Skill identifier..... AS 7607

TTE/TD A/S 32A-30A, A/S 32A-31, A/S 32A-37, A/S 32A-42, JG-75, and TA-75 (refer to Part IV.A.1).

Prerequisite C-602-2026, Aviation Support Equipment Technician Class A1

(b) Shipboard Tow Tractor Intermediate Maintenance. The shipboard SE maintenance training track, D/E-602-7090, contains two courses for tow tractor intermediate maintenance and one course for the A/S 32P-16 Fire Fighting Truck.

The "A/S 32A-32 Aircraft Towing Tractor Intermediate Maintenance" course, C-602-3290, provides graduates with knowledge and theory of the A/S 32A-32 system analysis, troubleshooting, and repair, and the skills necessary to perform intermediate level maintenance and corrosion control. This course is two weeks long.

The "A/S 32A-31A Intermediate Maintenance" course, C-602-3309, provides graduates with the knowledge and skills to operate, test, and maintain the A/S 32A-31A Tow Tractor. This course is two weeks long.

Title	(Afloat) SE Hydraulic Internal Combustion Engines and Related Systems Intermediate Maintenance
CIN	D/E-602-7090
Model Manager ...	MTU 3032, NAMTRAGRU DET Jacksonville
Description	This training track provides intermediate maintenance training for shipboard tow tractors and fire fighting truck.
Locations	MTU 3032, NAMTRAGRU DET Jacksonville MTU 3033, NAMTRAGRU DET North Island
Length	47 days
RFT date	On-line
Skill identifier.....	AS 7618
TTE/TD	A/S 32A-31A, A/S 32A-32 (refer to Part IV.A.1).
Prerequisite	C-602-2026, Aviation Support Equipment Technician Class A1

(c) Marine Corps Tow Tractor Intermediate Maintenance. Marine Corps students attend training track D/E-602-7040 to attain MOS 6072. This track contains the shore-based tow tractor course, C-602-3301, along with several courses for various SE other than tow tractors. The "Support Equipment Shore Tractors and Related Intermediate Maintenance" course, C-602-3301, provides graduates with the knowledge and skills to operate, test, and maintain the A/S 32A-30, A/S 32A-30A, A/S 32A-31, A/S 32A-42, TA-75 series, and JG-75 series Tow Tractors. This course is five weeks long.

Title **Support Equipment Engine/Gas Turbine and Related Systems Intermediate Maintenance**

CIN D/E-602-7040

Model Manager ... MTU 3032, NAMTRAGRU DET Jacksonville

Description This training track provides intermediate maintenance training for various SE including the BT400-46 Aircraft Preheater, shore-based tow tractors, GTC-85 Engines, GTCP-100 Engine, Portable Hydraulic Power Supply, ACU-20M Low Air Compressor, A/S 32K-1C/D Weapons Loader, and M-2 Hydraulic Purifier.

Locations MTU 3032, NAMTRAGRU DET Jacksonville
MTU 3033, NAMTRAGRU DET North Island

Length 115 days

RFT date On-line

Skill identifier..... MOS 6072

TTE/TD C-602-3301 only: A/S 32A-30A, A/S 32A-31, A/S 32A-42, JG-75, and TA-75 (refer to Part IV.A.1). TD is NA.

Prerequisite C-602-2026, Aviation Support Equipment Technician Class A1

c. Student Profiles

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
AS 7607, 7618	C-602-2026, Aviation Support Equipment Technician Class A1
MOS 6072	C-602-2026, Aviation Support Equipment Technician Class A1

d. Training Pipeline. The following training tracks apply and are available in the OPNAV Training Management System.

TRACK NUMBER	TRACK TITLE
D/E-602-7010	Support Equipment Internal Combustion Engines and Related Systems Intermediate Maintenance
D/E-602-7090	(Afloat) Support Equipment Internal Combustion Engines and Related Systems Intermediate Maintenance
D/E-602-7040	Support Equipment Engine/Gas Turbine and Related Systems Intermediate Maintenance

I. ON-BOARD (IN-SERVICE) TRAINING

1. Proficiency or Other Training Organic to the New Development

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

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

AMTCS redesigns the aviation training process (training continuum), and introduces Computer-Based Training (CBT) throughout the Navy technical training process. The application and adoption of recent advances in computer hardware and software technology have enabled CBT with its basic elements of Computer Managed Instruction, Computer Aided Instruction, and Interactive Courseware to be integrated into the training continuum and provide essential support for standardizing technical training.

2. Personnel Qualification Standards. NA.

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

J. LOGISTICS SUPPORT

1. Manufacturers and Contract Numbers

TOW TRACTOR	CONTRACT NUMBER	MANUFACTURER	ADDRESS
A/S 32A-30	N00140-77-C-1225 (P/N 8850-RB)	Regent Jack, Inc.	Downey, California 90241
A/S 32A-30	N00140-79-C-0167 (P/N JG40-PT-16)	Northwestern Motor Company	Eau Claire, Wisconsin 44185
A/S 32A-30	N00140-81-C-0388 (P/N JG40-PT-16A)	Northwestern Motor Company	Eau Claire, Wisconsin 44185
A/S 32A-30A	N68335-91-C-0280	Northwestern Motor Company	Eau Claire, Wisconsin 44185
A/S 32A-31	N00140-78-C-3014	Hough Division, International Harvester Company	Libertyville, Illinois 60048
A/S 32A-31A	N00140-42-C-9608	Hough Division, International Harvester Company	Libertyville, Illinois 60048
A/S 32A-32	N00140-86-C-9421	ACL Technologies	Santa Ana, California 92705
A/S 32A-37	N00140-86-C-9547	Ingersoll-Rand Company	Bristol, Virginia 24201
A/S 32A-42	N68335-93-C-0016	Northwestern Motor Company	Eau Clair, Wisconsin 44185
JG-75	N600(19)-63452	Northwestern Motor Company	Eau Claire, Wisconsin 44185

TOW TRACTOR	CONTRACT NUMBER	MANUFACTURER	ADDRESS
JG-75-1	N600(19)-65593	Northwestern Motor Company	Eau Clair, Wisconsin 44185
JG-75-3	N00019-68-C-0523	Northwestern Motor Company	Eau Clair, Wisconsin 44185
TA-75A	N00019-68-C-0169	United Tractor, Inc.	Chesterton, Indiana 46304
TA-75B	N00015-69-C-1094	United Tractor, Inc.	Chesterton, Indiana 46304
TA-75C	N00140-76-C-0694	United Tractor, Inc.	Chesterton, Indiana 46304

2. Program Documentation

TOW TRACTOR	ILSP NUMBER AND DATE
A/S 32A-30	ILSP-CGSE-0236AA, July 1987 (revision)
A/S 32A-31A	ILSP-CSE-93038, September 1993
A/S 32A-32	ILSP-CSE-0509, November 1986
A/S 32A-37	ILSP-CSE-0236AA, June 1987 (revision)
A/S 32A-42	ILSP-CSE-93002, June 1994
TA-75A, TA-75B, and TA-75C	None
JG-75, JG-75-1, and JG-75-3	None

3. Technical Data Plan. Technical publications are in place for all tow tractors. For the A/S 32A-42, a commercial technical manual designated NAVAIR 19-40-522 is available. Detailed technical publication information is addressed in Part IV.B.4. of this document.

4. Test Sets, Tools, and Test Equipment. Special tools or test equipment required to support the A/S 32A-37 Tow Tractor are listed in NAVAIR 19-40-519. No other special tools or test equipment are required for any of the tow tractors addressed in this NTSP.

5. Repair Parts. The Material Support Date (MSD) for the A/S 32A-42 is September 1998. All other tow tractors affected by this NTSP have reached their MSDs and are supported by Naval Inventory Control Point, Philadelphia, Pennsylvania.

6. Human Systems Integration Plan. NA.

K. SCHEDULES

1. Installation and Delivery Schedules. Deliveries of the A/S 32A-30, A/S 32A-30A, A/S 32A-31, A/S 32A-32, A/S 32A-37, TA-75A/B/C, and JG-75/-1/-3 have been completed. The delivery schedule for new production tow tractors is contained in Table I-2 below.

TABLE I-2 DELIVERY SCHEDULE

TOW TRACTOR	PRIOR YEARS	FY98	FY99	FY00	TOTAL
A/S 32A-31A	229	63	0	0	292
A/S 32A-42	483	48	0	0	531

2. Ready For Operational Use Schedule. All activities are considered Ready For Operational Use upon delivery.

3. Time Required to Install at Operational Site. NA.

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

5. Training Device and Technical Training Equipment Delivery Schedule. Operator courses conducted at AIMDs and MALs employ the appropriate tow tractors on hand to demonstrate tow tractor operation and preoperational inspections. At MTU 3032 and MTU 3033, each tow tractor is used as Technical Training Equipment (TTE) as appropriate for the course. In addition, the ABH A1 school at Naval Air Technical Training Center Pensacola, Florida, employs the A/S 32A-42 to conduct training. All TTE tow tractors have been delivered. TTE requirements are addressed in Part IV.A.1 of this NTSP.

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

M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS

DOCUMENT OR NTSP TITLE	DOCUMENT OR NTSP NUMBER	PDA CODE	STATUS
Integrated Logistics Support Plan for the A/S 32A-30	ILSP-CGSE-0236AA	AIR-4.6.1	Revised Jul 87
Integrated Logistics Support Plan for the A/S 32A-32 Spotting Dolly (SD-2)	ILSP-CSE-0509AA	AIR-4.6.1	Approved 20 Nov 86
Maintenance Plan: Tractor, Aircraft Towing, Shipboard Type A/S 32A-32	MAPL-CSE-0509:AA: RC	AIR-4.6.1	Approved 1 Mar 89
Phased Support Plan for the A/S 32A-31A Aircraft Tow Tractor	PSP-CSE-93038	AIR-3.1.4.4	Approved 15 Aug 94
Integrated Logistics Support Plan for the A/S 32A-31A Tow Tractor	ILSP-CSE-93038	AIR-3.1.4.4	Approved 15 Sep 93
Integrated Logistics Support Plan for the A/S 32A-42 Tow Tractor	ILSP-CSE-93002	AIR-3.1.4.4	Approved 1 Jun 94

PART II - BILLET AND PERSONNEL REQUIREMENTS

II.A. BILLET REQUIREMENTS

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

SOURCE: NAWCAD LKE

DATE: 12/1/97

ACTIVITY, UIC	PFYs	FY98	FY99	FY00	FY01	FY02
FLEET SUPPORT ACTIVITIES, EAST	NAVY					
AIMD Brunswick	44314	1	0	0	0	0
AIMD Cecil Field	44315	1	0	0	0	0
AIMD Jacksonville	44319	1	0	0	0	0
AIMD Keflavik	44335	1	0	0	0	0
AIMD Key West	44320	1	0	0	0	0
AIMD Mayport	45459	1	0	0	0	0
AIMD Norfolk	44325	1	0	0	0	0
AIMD Oceana	44327	1	0	0	0	0
AIMD Roosevelt Roads	44373	1	0	0	0	0
AIMD Rota	44374	1	0	0	0	0
AIMD Sigonella	44330	1	0	0	0	0
Assault Craft Unit 4 Shore Comp	47106	1	0	0	0	0
Assault Craft Unit 5 Shore Comp	46587	1	0	0	0	0
MMF "H" Washington, DC	68822	1	0	0	0	0
Naval Force Aircraft Test Squadron	39785	1	0	0	0	0
NAWCAD Lakehurst	48558	1	0	0	0	0
NS Guantanamo Bay	47214	1	0	0	0	0
NSA Souda Bay	66691	1	0	0	0	0
RAIMD Atlanta	44486	1	0	0	0	0
RAIMD New Orleans	44490	1	0	0	0	0
RAIMD Washington, DC	44492	1	0	0	0	0
RAIMD Willow Grove	44493	1	0	0	0	0
SIMA Norfolk	32770	1	0	0	0	0
TOTAL:		23	0	0	0	0
FLEET SUPPORT ACTIVITIES, WEST	NAVY					
Admin Support Unit Southwest Asia	63005	1	0	0	0	0
AIMD Atsugi	44323	1	0	0	0	0
AIMD Barbers Point	44312	1	0	0	0	0
AIMD Corpus Christi	30244	1	0	0	0	0
AIMD Lemoore	44321	1	0	0	0	0
AIMD Misawa	44331	1	0	0	0	0
AIMD North Island	44326	1	0	0	0	0
AIMD Whidbey Island	44329	1	0	0	0	0
MMF "A" Alameda	49738	1	0	0	0	0
MMF "C" Misawa	68704	1	0	0	0	0
NAF Kadena, Okinawa	62254	1	0	0	0	0
PMRF Barking Sands Hawaii	0534A	1	0	0	0	0
RAIMD Ft. Worth	44487	1	0	0	0	0
RAIMD Santa Clara	44489	1	0	0	0	0
TOTAL:		14				

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

SOURCE: NAWCAD LKE

DATE: 12/1/97

ACTIVITY, UIC		PFYs	FY98	FY99	FY00	FY01	FY02
FLEET SUPPORT ACTIVITIES, EAST		MARINE					
Blount Island Command	38450	1	0	0	0	0	0
Pers Mgt Div HQMC(MM)	00000	1	0	0	0	0	0
F&S Allow LANT and NAVEUR	00000	1	0	0	0	0	0
MATSG Pensacola	00000	1	0	0	0	0	0
H&HS MCAS Beaufort	45480	1	0	0	0	0	0
Marine Aviation Det, Patuxent River	67356	1	0	0	0	0	0
Site Support Blount Island	38450	1	0	0	0	0	0
TOTAL:		7					
FLEET SUPPORT ACTIVITIES, WEST		MARINE					
H&HS MCAS Iwakuni	42606	1	0	0	0	0	0
H&HS MCAS Futenma	09152	1	0	0	0	0	0
H&HS MCAS Yuma	42484	1	0	0	0	0	0
Marine Aviation Logistics Spt Element Kaneohe	09124	1	0	0	0	0	0
TOTAL:		4					
OPERATIONAL ACTIVITIES, EAST		NAVY					
AGF-3 La Salle	07172	1	0	0	0	0	0
CV-67 Kennedy	03367	1	0	0	0	0	0
CVN-65 Enterprise	03365	1	0	0	0	0	0
CVN-69 Eisenhower	03369	1	0	0	0	0	0
CVN-71 Roosevelt	21247	1	0	0	0	0	0
CVN-73 Washington	21412	1	0	0	0	0	0
CVN-74 Stennis	21847	1	0	0	0	0	0
CVN-75 Truman	21853	1	0	0	0	0	0
LHA-2 Saipan	20632	1	0	0	0	0	0
LHA-4 Nassau	20725	1	0	0	0	0	0
LHD-1 Wasp	21560	1	0	0	0	0	0
LHD-3 Kearsarge	21700	1	0	0	0	0	0
LHD-5 Bataan	21879	1	0	0	0	0	0
LHD-6 Bonhomme Richard	22202	1	0	0	0	0	0
LPD-10 Juneau	07184	1	0	0	0	0	0
LPD-12 Shreveport	07195	1	0	0	0	0	0
LPD-13 Nashville	07196	1	0	0	0	0	0
LPD-14 Trenton	07200	1	0	0	0	0	0
LPD-15 Ponce	07201	1	0	0	0	0	0
LPD-4 Austin	07175	1	0	0	0	0	0
MCS-12 Inchon	20009	1	0	0	0	0	0
VC 6 Det Pax	55234	1	0	0	0	0	0
TOTAL:		22					

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

SOURCE: NAWCAD LKE

DATE: 12/1/97

ACTIVITY, UIC		PFYs	FY98	FY99	FY00	FY01	FY02
OPERATIONAL ACTIVITIES, WEST		NAVY					
AGF-11 Coronado	07194	1	0	0	0	0	0
CV-62 Independence	03362	1	0	0	0	0	0
CV-63 Kitty Hawk	03363	1	0	0	0	0	0
CV-64 Constellation	03364	1	0	0	0	0	0
CVN-68 Nimitz	03368	1	0	0	0	0	0
CVN-70 Vinson	20993	1	0	0	0	0	0
CVN-72 Lincoln	21297	1	0	0	0	0	0
HC-5 Interm. Support Dept, Anderson AFB	44310	1	0	0	0	0	0
LHA-1 Tarawa	20550	1	0	0	0	0	0
LHA-3 Belleau Wood	20633	1	0	0	0	0	0
LHA-5 Peleliu	20748	1	0	0	0	0	0
LHD-2 Essex	21533	1	0	0	0	0	0
LHD-4 Boxer	21808	1	0	0	0	0	0
LPD-5 Ogden	07176	1	0	0	0	0	0
LPD-6 Duluth	07177	1	0	0	0	0	0
LPD-7 Cleveland	07182	1	0	0	0	0	0
LPD-8 Dubuque	07182	1	0	0	0	0	0
LPD-9 Denver	07183	1	0	0	0	0	0
LPH-11 New Orleans	07202	1	0	0	0	0	0
VXE-6	09589	1	0	0	0	0	0
TOTAL:		20					
OPERATIONAL ACTIVITIES, EAST		MARINE					
VMR-1 Cherry Point	00000	1	0	0	0	0	0
VMGR-253, Cherry Point	55251	1	0	0	0	0	0
VMAT-203, Cherry Point	45483	1	0	0	0	0	0
HMT-302, New River	55203	1	0	0	0	0	0
HMT-204, New River	52842	1	0	0	0	0	0
MV-22 NATC Patuxent River	06040	1	0	0	0	0	0
MAG-14 Cherry Point	09378	1	0	0	0	0	0
MAG-31 Beaufort	09384	1	0	0	0	0	0
VMGR-252 Cherry Point	09387	1	0	0	0	0	0
VMGR-452 Stewart	48694	1	0	0	0	0	0
VMFA-115 Beaufort	09234	1	0	0	0	0	0
VMFA-122 Beaufort	09407	1	0	0	0	0	0
VMFA-312 Beaufort	09253	1	0	0	0	0	0
VMFA-142 Cecil Field	67822	1	0	0	0	0	0
VMFA-321 Andrews	09265	1	0	0	0	0	0
VMFAAW-224 Beaufort	09439	1	0	0	0	0	0
VMFAAW-332 Beaufort	09501	1	0	0	0	0	0
VMFAAW-533 Beaufort	09193	1	0	0	0	0	0
VMA-131 Willow Grove	09357	1	0	0	0	0	0
VMA-223 Cherry Point	09438	1	0	0	0	0	0
VMA-231 Cherry Point	52948	1	0	0	0	0	0
VMA-542 Cherry Point	52847	1	0	0	0	0	0
VMAQ-1 Cherry Point	41345	1	0	0	0	0	0
VMAQ-2 Cherry Point	42362	1	0	0	0	0	0
VMAQ-3 Cherry Point	42363	1	0	0	0	0	0

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

SOURCE: NAWCAD LKE

DATE: 12/1/97

ACTIVITY, UIC		PFYs	FY98	FY99	FY00	FY01	FY02
VMAQ-4 Cherry Point	67837	1	0	0	0	0	0
MALS-26 New River	09167	1	0	0	0	0	0
MALS-29 New River	52841	1	0	0	0	0	0
MALS-42 Marietta	09513	1	0	0	0	0	0
MALS-49 Stewart	55555	1	0	0	0	0	0
HMM-162 New River	09492	1	0	0	0	0	0
HMM-261 New River	09441	1	0	0	0	0	0
HMM-263 New River	09445	1	0	0	0	0	0
HMM-264 New River	09374	1	0	0	0	0	0
HMM-266 New River	53972	1	0	0	0	0	0
HMM-365 New River	53923	1	0	0	0	0	0
HMM-774 Norfolk	09430	1	0	0	0	0	0
HMH-461 New River	09582	1	0	0	0	0	0
HMH-464 New River	53935	1	0	0	0	0	0
HMH-772 Willow Grove	09490	1	0	0	0	0	0
HMLA-167 New River	09898	1	0	0	0	0	0
HMLA-269 New River	08998	1	0	0	0	0	0
HMLA-775 Det A Belle Chase	09415	1	0	0	0	0	0
HMLA-773 Marietta	09431	1	0	0	0	0	0
HMLA-773 Det Johnstown	09431	1	0	0	0	0	0
HMX-1-Quantico	55615	1	0	0	0	0	0
TOTAL:		46					

OPERATIONAL ACTIVITIES, WEST MARINE

VMR-2 El Toro	00000	1	0	0	0	0	0
Marine AVN WPNS & Tactics SQD, Yuma	55167	1	0	0	0	0	0
VMFAT-101, El Toro	09965	1	0	0	0	0	0
HMT-303, Pendleton	55176	1	0	0	0	0	0
HMT-301, Kaneohe	52843	1	0	0	0	0	0
MAG-11 Miramar	55580	1	0	0	0	0	0
MAG-12 Iwakuni	09377	1	0	0	0	0	0
MAG-13 Yuma	09041	1	0	0	0	0	0
MALS-41 Ft Worth	67239	1	0	0	0	0	0
MALS-46 Miramar	09749	1	0	0	0	0	0
VMGR-152 Futenma	09443	1	0	0	0	0	0
VMGR-352 El Toro	09182	1	0	0	0	0	0
VMGR-234 Ft Worth	08344	1	0	0	0	0	0
VMFA-212 Iwakuni	09434	1	0	0	0	0	0
VMFA-232 Miramar	09242	1	0	0	0	0	0
VMFA-323 Miramar	09235	1	0	0	0	0	0
VMFA-134 Miramar	09365	1	0	0	0	0	0
VMFA-112 Ft Worth	08954	1	0	0	0	0	0
VMFAAW-121 Miramar	09257	1	0	0	0	0	0
VMFAAW-225 Miramar	09232	1	0	0	0	0	0
VMFAAW-242 Miramar	09668	1	0	0	0	0	0
VMFA-124 Ft Worth	52998	1	0	0	0	0	0
VMA-211 Yuma	09412	1	0	0	0	0	0
VMA-214 Yuma	09436	1	0	0	0	0	0
VMA-311 Yuma	09416	1	0	0	0	0	0
VMA-513 Yuma	09231	1	0	0	0	0	0

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

SOURCE: NAWCAD LKE

DATE: 12/1/97

ACTIVITY, UIC		PFYs	FY97	FY98	FY99	FY00	FY01
VMU-1 29 Palms	00000	1	0	0	0	0	0
VMU-2 Camp Lejuene	00000	1	0	0	0	0	0
MALS-16 Tustin	55583	1	0	0	0	0	0
MALS-36 Futenma	09136	1	0	0	0	0	0
MALS-39 Pendleton	09808	1	0	0	0	0	0
HMM-161 Tustin	09440	1	0	0	0	0	0
HMM-163 Tustin	09405	1	0	0	0	0	0
HMM-164 Tustin	09408	1	0	0	0	0	0
HMM-165 El Toro	09343	1	0	0	0	0	0
HMM-166 Tustin	53973	1	0	0	0	0	0
HMM-262 Futenma	09442	1	0	0	0	0	0
HMM-265 Futenma	09404	1	0	0	0	0	0
HMM-268 Tustin	52790	1	0	0	0	0	0
HMM-364 El Toro	09793	1	0	0	0	0	0
HMM-764 El Toro	09402	1	0	0	0	0	0
HMH-362 Kaneohe Bay	09495	1	0	0	0	0	0
HMH-363 Kaneohe Bay	09496	1	0	0	0	0	0
HMH-361 Tustin	09008	1	0	0	0	0	0
HMH-462 Tustin	09349	1	0	0	0	0	0
HMH-465 Tustin	53936	1	0	0	0	0	0
HMH-466 Tustin	53998	1	0	0	0	0	0
HMH-769 Santa Clara	09487	1	0	0	0	0	0
HMLA-169 Pendleton	09202	1	0	0	0	0	0
HMLA-267 Pendleton	09159	1	0	0	0	0	0
HMLA-367 Pendleton	09079	1	0	0	0	0	0
HMLA-369 Pendleton	09361	1	0	0	0	0	0
HMLA-775 Pendleton	55252	1	0	0	0	0	0
TOTAL:		53					

NOTE: This schedule depicts the activities that have intermediate level maintenance support billets. This does not depict the number of tow tractors at any particular site. TFMMS data does not currently reflect billets for CVN-76 and CVN-77. When available, this data will be included in future updates to this NTSP.

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG RATING	PNEC/ PMOS/	SNEC SMOS
	OFF	ENL			
FLEET SUPPORT ACTIVITIES, EAST	NAVY				
NAS Brunswick AIMD, 44314					
ACDU	0	1	AS	7606	7607
	0	2	AS	7607	7614
	0	1	AS	7607	
	0	1	AS	7607	7601
	0	2	AS	7607	7606
	0	1	AS	7607	7613
	0	2	AS	7609	7607
	0	1	AS	7614	7607
ACTIVITY TOTAL:	0	11			
NAS Cecil Field AIMD, 44315					
ACDU	0	2	AS	7607	
SELRES	0	2	AS	7607	
ACTIVITY TOTAL:	0	4			
NAS Jacksonville AIMD, 44319					
ACDU	0	14	AS	7607	
	0	1	AS	7607	7613
ACTIVITY TOTAL:	0	15			
NAS Keflavik AIMD, 44335					
ACDU	0	3	AS	7607	
ACTIVITY TOTAL:	0	3			
NAS Key West AIMD, 44320					
ACDU	0	5	AS	7607	
SELRES	0	2	AS	7607	
ACTIVITY TOTAL:	0	7			
NS Mayport AIMD, 45459					
ACDU	0	2	AS	7607	
ACTIVITY TOTAL:	0	2			
NAS Norfolk AIMD, 44326					
ACDU	0	6	AS	7607	
SELRES	0	5	AS	7607	
ACTIVITY TOTAL:	0	11			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETTS		DESIG RATING	PNEC/ PMOS/	SNEC SMOS
	OFF	ENL			
NAS Oceana AIMD, 44325					
ACDU	0	1	AS	7603	7607
	0	2	AS	7606	7607
	0	32	AS	7607	
	0	3	AS	7609	7607
SELRES	0	6	AS	7607	
ACTIVITY TOTAL:	0	44			
NAVSTA Roosevelt Rds AIMD, 44373					
ACDU	0	2	AS	7607	
ACTIVITY TOTAL:	0	2			
NAVSTA Rota AIMD, 44374					
ACDU	0	9	AS	7607	
	0	2	AS	7607	7609
SELRES	0	1	AS	7607	
	0	1	AS	7609	7607
ACTIVITY TOTAL:	0	13			
NAS Sigonella AIMD, 44330					
ACDU	0	11	AS	7607	
	0	1	AS	7614	7607
ACTIVITY TOTAL:	0	12			
Assault Craft Unit 4 Shore Comp, 47106					
ACDU	0	1	AS	7614	7607
ACTIVITY TOTAL:	0	1			
Assault Craft Unit 5 Shore Comp, 46587					
ACDU	0	1	AS	7614	7607
ACTIVITY TOTAL:	0	1			
Advanced Base Functional Comp Fleet Maritime Patrol MMF Hotel, 68822					
SELRES	0	3	AS	7607	
	0	1	AS	7615	7607
TAR	0	4	AS	7607	
ACTIVITY TOTAL:	0	8			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG RATING	PNEC/ PMOS/	SNEC SMOS
	OFF	ENL			
Naval Force Aircraft Test Squadron, 39785 ACDU	0	1	AS	7607	
ACTIVITY TOTAL:	0	1			
NAVAIRENGSTA Lakehurst, 48558 ACDU	0	2	AS	7607	
ACTIVITY TOTAL:	0	2			
NAVSTA Guantanamo Bay, 47214 ACDU	0	1	AS	7606	7607
	0	1	AS	7607	7606
	0	1	AS	7614	7607
ACTIVITY TOTAL:	0	3			
NAVSUPPACT Souda Bay, 66691 ACDU	0	2	AS	7607	
ACTIVITY TOTAL:	0	2			
NAS Atlanta RAIMD, 44486 TAR	0	3	AS	7607	
	0	1	AS	7607	7614
ACTIVITY TOTAL:	0	4			
NAS New Orleans RAIMD, 44490 TAR	0	4	AS	7607	
ACTIVITY TOTAL:	0	4			
NAF Wash DC RAIMD, 44492 ACDU	0	1	AS	7607	
TAR	0	3	AS	7607	
ACTIVITY TOTAL:	0	4			
NAS Willow Grove RAIMD, 44493 TAR	0	5	AS	7607	
	0	1	AS	7607	7222
	0	1	AS	7607	7616
	0	1	AS	7614	7607
ACTIVITY TOTAL:	0	8			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG RATING	PNEC/ PMOS/	SNEC SMOS
	OFF	ENL			
SIMA Norfolk, 32770 ACDU	0	1	AS	7607	
ACTIVITY TOTAL:	0	1			
FLEET SUPPORT ACTIVITIES, WEST	NAVY				
Administrative Support Unit, Southwest Asia, 63005 ACDU	0	2	AS	7607	
ACTIVITY TOTAL:	0	2			
NAF Atsugi AIMD, 44323 ACDU	0	8	AS	7607	
ACTIVITY TOTAL:	0	8			
NAS Barbers Point AIMD, 44312 ACDU	0	1	AS	7607	
ACTIVITY TOTAL:	0	1			
NAS Corpus Christi AIMD, 30244 ACDU	0	1	AS	7607	
ACTIVITY TOTAL:	0	1			
NAS Lemoore AIMD, 44321 ACDU	0	1	AS	7607	
	0	1	AS	7607	7222
ACTIVITY TOTAL:	0	2			
NAF Misawa AIMD, 44331 ACDU	0	1	AS	7601	7607
	0	1	AS	7607	9502
	0	5	AS	7607	
ACTIVITY TOTAL:	0	7			
NAS North Island AIMD, 44326 ACDU	0	1	AS	7606	7607
ACTIVITY TOTAL:	0	1			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG RATING	PNEC/ PMOS/	SNEC SMOS
	OFF	ENL			
NAS Whidbey Island AIMD, 44329					
ACDU	0	13	AS	7607	
	0	1	AS	7607	7222
	0	1	AS	7614	7607
ACTIVITY TOTAL:	0	15			
NR Advance Base Functional Comp Fleet Maritime Patrol MMF Alpha, 49738					
SELRES	0	1	AS	7607	7606
TAR	0	1	AS	7607	9502
ACTIVITY TOTAL:	0	2			
Fleet Maritime Patrol Mobile Maintenance Facility Charlie Misawa, 68704					
ACDU	0	1	AS	7607	9502
	0	1	AS	7607	7606
SELRES	0	2	AS	7607	
ACTIVITY TOTAL:	0	4			
Fleet Activities Okinawa Naval Air Facility, 62254					
ACDU	0	2	AS	7607	
ACTIVITY TOTAL:	0	2			
PMRF Barking Sands, 0534A					
ACDU	0	2	AS	7607	
	0	1	AS	7614	7607
ACTIVITY TOTAL:	0	3			
NAS Ft Worth RAIMD, 44487					
TAR	0	3	AS	7607	
ACTIVITY TOTAL:	0	3			
NAVAIRES Santa Clara RAIMD, 44489					
TAR	0	2	AS	7607	
	0	1	AS	7607	7616
	0	1	AS	7613	7607
	0	1	AS	7614	7607
ACTIVITY TOTAL:	0	5			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	ENL	DESIG RATING	PNEC/ PMOS/	SNEC SMOS
FLEET SUPPORT ACTIVITIES, EAST	MARINE				
Blount Island Command, 38450 USMC	0	1		6072	
ACTIVITY TOTAL:	0	1			
PERS MGT DIV HQMC(MM), 00000 USMC	0	1		6072	
ACTIVITY TOTAL:	0	1			
F&S ALLOW LANT AND NAVEUR, 00000 USMC	0	1		6072	
ACTIVITY TOTAL:	0	1			
MATSG Pensacola, 67389 USMC	0	13		6072	
ACTIVITY TOTAL:	0	13			
H&HS MCAS Beaufort, 45480 USMC	0	3		6072	
ACTIVITY TOTAL:	0	3			
Marine Aviation Det, Patuxent River, 67356 USMC	0	1		6072	
ACTIVITY TOTAL:	0	1			
Site Support Blount Island, 38450 USMC	0	1		6072	
ACTIVITY TOTAL:	0	1			
FLEET SUPPORT ACTIVITIES, WEST	MARINE				
H&HS MCAS Iwakuni, 42606 USMC	0	2		6072	
ACTIVITY TOTAL:	0	2			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG RATING	PNEC/ PMOS/	SNEC SMOS
	OFF	ENL			
H&HS MCAS Futenma, 09152 USMC	0	2		6072	
ACTIVITY TOTAL:	0	2			
H&HS MCAS Yuma, 42484 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
Marine Aviation Logistics SPT Element Kaneohe, 09124 USMC	0	4		6072	
ACTIVITY TOTAL:	0	4			
OPERATIONAL ACTIVITIES, EAST	NAVY				
AGF 3 La Salle, 07172 ACDU	0	1	AS	7618	
ACTIVITY TOTAL:	0	1			
CV 67 Kennedy, 03367 ACDU	0	7	AS	7618	
	0	1	AS	7618	7606
	0	1	AS	7618	7222
SELRES	0	1	AS	7618	
ACTIVITY TOTAL:	0	10			
CVN 65 Enterprise, 03365 ACDU	0	1	AS	7606	7618
	0	7	AS	7618	
	0	1	AS	7618	7606
	0	1	AS	7618	7222
ACTIVITY TOTAL:	0	10			
CVN 69 Eisenhower, 03369 ACDU	0	1	AS	7606	7618
	0	7	AS	7618	
	0	1	AS	7618	7606
	0	1	AS	7618	7222
ACTIVITY TOTAL:	0	10			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG RATING	PNEC/ PMOS/	SNEC SMOS
	OFF	ENL			
CVN 71 Roosevelt, 21247 ACDU	0	1	AS	7606	7618
	0	7	AS	7618	
	0	1	AS	7618	7606
	0	1	AS	7618	7222
ACTIVITY TOTAL:	0	10			
CVN 73 Washington, 21412 ACDU	0	5	AS	7618	
	0	1	AS	7618	7222
ACTIVITY TOTAL:	0	6			
CVN 74 Stennis, 21847 ACDU	0	1	AS	7606	7618
	0	7	AS	7618	
	0	1	AS	7618	7606
	0	1	AS	7618	7222
ACTIVITY TOTAL:	0	10			
CVN 75 Truman, 21853 ACDU	0	1	AS	7607	7618
	0	7	AS	7618	
	0	1	AS	7618	7606
	0	1	AS	7618	7222
ACTIVITY TOTAL:	0	10			
LHA 2 Saipan, 20632 ACDU	0	4	AS	7618	
ACTIVITY TOTAL:	0	4			
LHA 4 Nassau, 20725 ACDU	0	3	AS	7618	
ACTIVITY TOTAL:	0	3			
LHD 1 Wasp, 21560 ACDU	0	4	AS	7618	
ACTIVITY TOTAL:	0	4			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG RATING	PNEC/ PMOS/	SNEC SMOS
	OFF	ENL			
LHD 3 Kearsarge, 21700 ACDU	0	4	AS	7618	
ACTIVITY TOTAL:	0	4			
LHD 5 Bataan, 21879 ACDU	0	3	AS	7618	
ACTIVITY TOTAL:	0	3			
LHD 6 Bonhomme Richard, 22202 ACDU	0	3	AS	7618	
ACTIVITY TOTAL:	0	3			
LPD 10 Juneau, 07184 ACDU	0	1	AS	7618	
ACTIVITY TOTAL:	0	1			
LPD 12 Shreveport, 07195 ACDU	0	1	AS	7618	
ACTIVITY TOTAL:	0	1			
LPD 13 Nashville, 07196 ACDU	0	1	AS	7618	
ACTIVITY TOTAL:	0	1			
LPD 14 Trenton, 07200 ACDU	0	1	AS	7618	
ACTIVITY TOTAL:	0	1			
LPD 15 Ponce, 07201 ACDU	0	1	AS	7618	
ACTIVITY TOTAL:	0	1			
LPD 4 Austin, 07175 ACDU	0	1	AS	7618	
ACTIVITY TOTAL:	0	1			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG RATING	PNEC/ PMOS/	SNEC SMOS
	OFF	ENL			
MCS 12 Inchon, 20009					
ACDU	0	2	AS	7618	
	0	1	AS	7618	7617
ACTIVITY TOTAL:	0	3			
VC 6 Det Patuxent River, 55234					
ACDU	0	12	AS	8361	7607
ACTIVITY TOTAL:	0	12			
OPERATIONAL ACTIVITIES, WEST	NAVY				
AFG 11 Coronado, 07194					
ACDU	0	1	AS	7607	
ACTIVITY TOTAL:	0	1			
CV-62 Independence, 03362					
ACDU	0	8	AS	7618	
	0	1	AS	7618	7222
SELRES	0	1	AS	7618	
ACTIVITY TOTAL:	0	10			
CV 63 Kitty Hawk, 03363					
ACDU	0	9	AS	7618	
	0	1	AS	7618	7606
ACTIVITY TOTAL:	0	10			
CV 64 Constellation, 03364					
ACDU	0	1	AS	7606	7618
	0	7	AS	7618	
	0	1	AS	7618	7606
	0	1	AS	7618	7222
ACTIVITY TOTAL:	0	10			
CVN 68 Nimitz, 03368					
ACDU	0	1	AS	7606	7618
	0	5	AS	7618	
	0	1	AS	7618	7606
	0	1	AS	7618	7222
ACTIVITY TOTAL:	0	8			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG RATING	PNEC/ PMOS/	SNEC SMOS
	OFF	ENL			
CVN 70 Vinson, 20993 ACDU	0	1	AS	7606	7618
	0	7	AS	7618	
	0	1	AS	7618	7606
	0	1	AS	7618	7222
ACTIVITY TOTAL:	0	10			
CVN 72 Lincoln, 21297 ACDU	0	1	AS	7606	7618
	0	7	AS	7618	
	0	1	AS	7618	7606
	0	1	AS	7618	7222
ACTIVITY TOTAL:	0	10			
HC-5 Intermediate Support Department, Anderson Air Force Base, 44310 ACDU	0	3	AS	7607	
ACTIVITY TOTAL:	0	3			
LHA 1 Tarawa, 20550 ACDU	0	4	AS	7618	
ACTIVITY TOTAL	0	4			
LHA 3 Belleau Wood, 20633 ACDU	0	3	AS	7618	
ACTIVITY TOTAL:	0	3			
LHA 5 Peleliu, 20748 ACDU	0	4	AS	7618	
ACTIVITY TOTAL:	0	4			
LHD 2 Essex, 21533 ACDU	0	4	AS	7618	
ACTIVITY TOTAL:	0	4			
LHD 4 Boxer, 21808 ACDU	0	3	AS	7618	
ACTIVITY TOTAL:	0	3			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG RATING	PNEC/ PMOS/	SNEC SMOS
	OFF	ENL			
LPD 5 Ogden, 07176 ACDU	0	1	AS	7618	
ACTIVITY TOTAL:	0	1			
LPD 6 Duluth, 07177 ACDU	0	1	AS	7607	
ACTIVITY TOTAL:	0	1			
LPD 7 Cleveland, 07181 ACDU	0	1	AS	7618	
ACTIVITY TOTAL:	0	1			
LPD 8 Dubuque, 07182 ACDU	0	1	AS	7618	
ACTIVITY TOTAL:	0	1			
LPD 9 Denver, 07183 ACDU	0	1	AS	7618	
ACTIVITY TOTAL:	0	1			
LPH 11 New Orleans, 07202 ACDU	0	4	AS	7618	
ACTIVITY TOTAL:	0	4			
VXE 6, 09589 ACDU	0	3	AS	7607	
ACTIVITY TOTAL:	0	3			
OPERATIONAL ACTIVITIES, EAST	MARINES				
VMR-1 Cherry Point, 00000 USMC	0	3		6072	
ACTIVITY TOTAL:	0	3			
VMGRT-253 Cherry Point, 55251 USMC	0	3		6072	
ACTIVITY TOTAL:	0	3			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG RATING	PNEC/ PMOS/	SNEC SMOS
	OFF	ENL			
VMAT-203 Cherry Point, 45483 USMC	0	7		6072	
ACTIVITY TOTAL:	0	7			
HMT-302 New River, 55203 USMC	0	5		6072	
ACTIVITY TOTAL:	0	5			
HMT-204 New River, 52842 USMC	0	7		6072	
ACTIVITY TOTAL:	0	7			
MV-22 NATC Patuxent River, 06040 USMC	0	4		6072	
ACTIVITY TOTAL:	0	4			
MAG-14 Cherry Point, 09378 USMC	0	10		6072	
ACTIVITY TOTAL:	0	10			
MAG-31 Beaufort, 09384 USMC	0	10		6072	
ACTIVITY TOTAL:	0	10			
VMGR-252 MAG 14 Cherry Point, 09387 USMC	0	4		6072	
ACTIVITY TOTAL:	0	4			
VMGR-452 Stewart, 48694 USMC	0	1		6072	
SMCR	0	2		6072	
AR	0	1		6072	
ACTIVITY TOTAL:	0	4			
VMFA-115 Beaufort, 09234 USMC	0	5		6072	
ACTIVITY TOTAL:	0	5			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETTS		DESIG RATING	PNEC/ PMOS/	SNEC SMOS
	OFF	ENL			
VMFA-122 Beaufort, 09407 USMC	0	5		6072	
ACTIVITY TOTAL:	0	5			
VMFA-312 Beaufort, 09253 USMC	0	5		6072	
ACTIVITY TOTAL:	0	5			
VMFA-142 Cecil Field, 67822 USMC	0	1		6072	
SMCR	0	1		6072	
AR	0	2		6072	
ACTIVITY TOTAL:	0	4			
VMFA-321 Andrews, 09265 USMC	0	1		6072	
SMCR	0	1		6072	
AR	0	2		6072	
ACTIVITY TOTAL:	0	4			
VMFAAW-224 Beaufort, 09439 USMC	0	5		6072	
ACTIVITY TOTAL:	0	5			
VMFAAW-332 Beaufort, 09501 USMC	0	5		6072	
ACTIVITY TOTAL:	0	5			
VMFAAW-533 Beaufort, 09193 USMC	0	5		6072	
ACTIVITY TOTAL:	0	5			
VMA-131 Willow Grove, 09357 SMCR	0	5		6072	
ACTIVITY TOTAL:	0	5			
VMA-223 Cherry Point, 09438 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG RATING	PNEC/ PMOS/	SNEC SMOS
	OFF	ENL			
VMA-231 Cherry Point, 52948 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
VMA-542 Cherry Point, 52847 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
VMAQ-1 Cherry Point, 41345 USMC	0	5		6072	
ACTIVITY TOTAL:	0	5			
VMAQ-2 Cherry Point, 42362 USMC	0	5		6072	
ACTIVITY TOTAL:	0	5			
VMAQ-3 Cherry Point, 42363 USMC	0	5		6072	
ACTIVITY TOTAL:	0	5			
VMAQ-4 Cherry Point, 67837 USMC	0	5		6072	
ACTIVITY TOTAL:	0	5			
MALS-26 New River, 09167 USMC	0	12		6072	
ACTIVITY TOTAL:	0	12			
MALS-29 New River, 52841 USMC	0	12		6072	
ACTIVITY TOTAL:	0	12			
MALS-42 Marietta, 09513 USMC	0	1		6072	
SMCR	0	10		6072	
AR	0	1		6072	
ACTIVITY TOTAL:	0	12			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG RATING	PNEC/ PMOS/	SNEC SMOS
	OFF	ENL			
MALS-49 Stewart, 55555					
USMC	0	4		6072	
SMCR	0	8		6072	
ACTIVITY TOTAL:	0	12			
HMM-162 New River, 09492					
USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
HMM-261 New River, 09441					
USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
HMM-263 New River, 09445					
USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
HMM-264 New River, 09374					
USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
HMM-266 New River, 53972					
USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
HMM-365 New River, 53923					
USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
HMM-774 Norfolk, 09430					
USMC	0	2		6072	
SMCR	0	2		6072	
AR	0	2		6072	
ACTIVITY TOTAL:	0	6			
HMH-461 New River, 09582					
USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG RATING	PNEC/ PMOS/	SNEC SMOS
	OFF	ENL			
HMH-464 New River, 53935 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
HMH-772 Willow Grove, 09490 USMC	0	2		6072	
ACTIVITY TOTAL:	0	2			
HMLA-167 New River, 09898 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
HMLA-269 New River, 08998 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
HMLA-775 Det A Belle Chase, 09415 USMC	0	1		6072	
AR	0	1		6072	
ACTIVITY TOTAL:	0	2			
HMLA-773 Marietta, 09431 USMC	0	2		6072	
SMCR	0	2		6072	
ACTIVITY TOTAL:	0	4			
HMLA-773 Det Johnstown, 09431 USMC	0	1		6072	
AR	0	1		6072	
ACTIVITY TOTAL:	0	2			
HMX-1 -Quantico, 55615 USMC	0	12		6072	
ACTIVITY TOTAL:	0	12			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG RATING	PNEC/ PMOS/	SNEC SMOS
	OFF	ENL			
OPERATIONAL ACTIVITIES, WEST	MARINES				
VMR-2 El Toro, 00000 USMC	0	2		6072	
ACTIVITY TOTAL:	0	2			
Marine AVN WPNS & Tactics SQD, Yuma, 55167 USMC	0	1		6072	
ACTIVITY TOTAL:	0	1			
VMFAT-101, El Toro, 09965 USMC	0	13		6072	
ACTIVITY TOTAL:	0	13			
HMT-303, Pendleton, 55176 USMC	0	5		6072	
ACTIVITY TOTAL:	0	5			
HMT-301, Kaneohe, 52843 USMC	0	3		6072	
ACTIVITY TOTAL:	0	3			
MAG-11 Miramar, 55580 USMC	0	10		6072	
ACTIVITY TOTAL:	0	10			
MAG-12 Iwakuni, 09377 USMC	0	10		6072	
ACTIVITY TOTAL:	0	10			
MAG-13 Yuma, 09041 USMC	0	10		6072	
ACTIVITY TOTAL:	0	10			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG RATING	PNEC/ PMOS/	SNEC SMOS
	OFF	ENL			
MALS-41 Ft. Worth, 67239					
USMC	0	2		6072	
SMCR	0	7		6072	
AR	0	1		6072	
ACTIVITY TOTAL:	0	10			
MALS-46 Miramar, 09749					
USMC	0	1		6072	
SMCR	0	8		6072	
AR	0	1		6072	
ACTIVITY TOTAL:	0	10			
VMGR-152 MAG 36 Futenma, 09443					
USMC	0	4		6072	
ACTIVITY TOTAL:	0	4			
VMGR-352 MAG 11 El Toro, 09182					
USMC	0	4		6072	
ACTIVITY TOTAL:	0	4			
VMGR-234 FORT Worth, 08344					
USMC	0	1		6072	
SMCR	0	2		6072	
AR	0	1		6072	
ACTIVITY TOTAL:	0	4			
VMFA-212 Iwakuni, 09434					
USMC	0	5		6072	
ACTIVITY TOTAL:	0	5			
VMFA-232 Miramar, 09242					
USMC	0	5		6072	
ACTIVITY TOTAL:	0	5			
VMFA-323 Miramar, 09235					
USMC	0	5		6072	
ACTIVITY TOTAL:	0	5			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG RATING	PNEC/ PMOS/	SNEC SMOS
	OFF	ENL			
VMFA-134 Miramar, 09365					
USMC	0	2		6072	
SMCR	0	1		6072	
AR	0	1		6072	
ACTIVITY TOTAL:	0	4			
VMFA-112 Ft. Worth, 08954					
USMC	0	1		6072	
SMCR	0	1		6072	
AR	0	2		6072	
ACTIVITY TOTAL:	0	4			
VMFAAW-121 Miramar, 09257					
USMC	0	5		6072	
ACTIVITY TOTAL:	0	5			
VMFAAW-225 Miramar, 09232					
USMC	0	5		6072	
ACTIVITY TOTAL:	0	5			
VMFAAW-242 Miramar, 09668					
USMC	0	5		6072	
ACTIVITY TOTAL:	0	5			
VMFA-124 Ft. Worth, 52998					
SMCR	0	5		6072	
ACTIVITY TOTAL:	0	5			
VMA-211 Yuma, 09412					
USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
VMA-214 Yuma, 09436					
USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG RATING	PNEC/ PMOS/	SNEC SMOS
	OFF	ENL			
VMA-311 Yuma, 09416 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
VMA-513 Yuma, 09231 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
VMU-1 29 Palms, 00000 USMC	0	2		6072	
ACTIVITY TOTAL:	0	2			
VMU-2 Camp Lejuene, 00000 USMC	0	2		6072	
ACTIVITY TOTAL:	0	2			
MALS-16 Tustin, 55583 USMC	0	12		6072	
ACTIVITY TOTAL:	0	12			
MALS-36 Futenma, 09136 USMC	0	12		6072	
ACTIVITY TOTAL:	0	12			
MALS-39 Pendleton, 09808 USMC	0	12		6072	
ACTIVITY TOTAL:	0	12			
HMM-161 Tustin, 09440 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
HMM-163 Tustin, 09405 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG RATING	PNEC/ PMOS/	SNEC SMOS
	OFF	ENL			
HMM-164 Tustin, 09408 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
HMM-165 El Toro, 09343 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
HMM-166 Tustin, 53973 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
HMM-161 Tustin, 09440 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
HMM-262 Futenma, 09442 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
HMM-265 Futenma, 09404 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
HMM-268 Tustin, 52790 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
HMM-364 El Toro, 09793 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
HMM-764 El Toro, 09402 USMC	0	2		6072	
SMCR	0	2		6072	
AR	0	2		6072	
ACTIVITY TOTAL:	0	6			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG RATING	PNEC/ PMOS/	SNEC SMOS
	OFF	ENL			
HMH-362 Kaneohe Bay, 09495 USMC	0	4		6072	
ACTIVITY TOTAL:	0	4			
HMH-363 Kaneohe Bay, 09496 USMC	0	4		6072	
ACTIVITY TOTAL:	0	4			
HMH-361 Tustin, 09008 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
HMH-462 Tustin, 09349 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
HMH-465 Tustin, 53936 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
HMH-466 Tustin, 53998 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
HMH-769 Santa Clara, 09487 USMC	0	2		6072	
ACTIVITY TOTAL:	0	2			
HMLA-169 Pendleton, 09202 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
HMLA-267 Pendleton, 09159 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG RATING	PNEC/ PMOS/	SNEC SMOS
	OFF	ENL			
HMLA-367 Pendleton, 09079 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
HMLA-369 Pendleton, 09361 USMC	0	6		6072	
ACTIVITY TOTAL:	0	6			
HMLA-775 Pendleton, 55252 USMC	0	2		6072	
SMCR	0	2		6072	
ACTIVITY TOTAL:	0	4			

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

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
OPERATIONAL ACTIVITY, EAST		-	ACDU										
AS	7606/7618	0	4	0	4	0	4	0	4	0	4	0	4
AS	7607/7618	0	1	0	1	0	1	0	1	0	1	0	1
AS	7618	0	77	0	77	0	77	0	77	0	77	0	77
AS	7618/7222	0	7	0	7	0	7	0	7	0	7	0	7
AS	7618/7606	0	6	0	6	0	6	0	6	0	6	0	6
AS	7618/7617	0	1	0	1	0	1	0	1	0	1	0	1
AS	8361/7607	0	12	0	12	0	12	0	12	0	12	0	12
OPERATIONAL ACTIVITY, WEST		-	ACDU										
AS	7606/7618	0	4	0	4	0	4	0	4	0	4	0	4
AS	7607	0	8	0	8	0	8	0	8	0	8	0	8
AS	7618	0	69	0	69	0	69	0	69	0	69	0	69
AS	7618/7222	0	5	0	5	0	5	0	5	0	5	0	5
AS	7618/7606	0	5	0	5	0	5	0	5	0	5	0	5
OPERATIONAL ACTIVITY, EAST		-	SELRES										
AS	7618	0	1	0	1	0	1	0	1	0	1	0	1
OPERATIONAL ACTIVITY, WEST		-	SELRES										
AS	7618	0	1	0	1	0	1	0	1	0	1	0	1
OPERATIONAL ACTIVITY, EAST		-	USMC										
	6072	0	233	0	233	0	233	0	233	0	233	0	233
OPERATIONAL ACTIVITY, WEST		-	USMC										
	6072	0	285	0	285	0	285	0	285	0	285	0	285
OPERATIONAL ACTIVITY, EAST		-	SMCR										
	6072	0	31	0	31	0	31	0	31	0	31	0	31
OPERATIONAL ACTIVITY, WEST		-	SMCR										
	6072	0	28	0	28	0	28	0	28	0	28	0	28
OPERATIONAL ACTIVITY, EAST		-	AR										
	6072	0	10	0	10	0	10	0	10	0	10	0	10
OPERATIONAL ACTIVITY, WEST		-	AR										
	6072	0	8	0	8	0	8	0	8	0	8	0	8

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

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
FLEET SUPPORT ACTIVITY, EAST -		ACDU											
AS	7603/7607	0	1	0	1	0	1	0	1	0	1	0	1
AS	7606/7607	0	4	0	4	0	4	0	4	0	4	0	4
AS	7607	0	95	0	95	0	95	0	95	0	95	0	95
AS	7607/7601	0	1	0	1	0	1	0	1	0	1	0	1
AS	7607/7606	0	3	0	3	0	3	0	3	0	3	0	3
AS	7607/7609	0	2	0	2	0	2	0	2	0	2	0	2
AS	7607/7613	0	2	0	2	0	2	0	2	0	2	0	2
AS	7607/7614	0	1	0	1	0	1	0	1	0	1	0	1
AS	7609/7607	0	5	0	5	0	5	0	5	0	5	0	5
AS	7614/7607	0	5	0	5	0	5	0	5	0	5	0	5
FLEET SUPPORT ACTIVITY, EAST -		TAR											
AS	7607	0	19	0	19	0	19	0	19	0	19	0	19
AS	7607/7222	0	1	0	1	0	1	0	1	0	1	0	1
AS	7607/7614	0	1	0	1	0	1	0	1	0	1	0	1
AS	7607/7616	0	1	0	1	0	1	0	1	0	1	0	1
AS	7614/7607	0	1	0	1	0	1	0	1	0	1	0	1
FLEET SUPPORT ACTIVITY, EAST -		SELRES											
AS	7607	0	19	0	19	0	19	0	19	0	19	0	19
AS	7609/7607	0	1	0	1	0	1	0	1	0	1	0	1
AS	7615/7607	0	1	0	1	0	1	0	1	0	1	0	1
FLEET SUPPORT ACTIVITY, WEST -		ACDU											
AS	7601/7607	0	1	0	1	0	1	0	1	0	1	0	1
AS	7606/7607	0	1	0	1	0	1	0	1	0	1	0	1
AS	7607	0	35	0	35	0	35	0	35	0	35	0	35
AS	7607/7222	0	2	0	2	0	2	0	2	0	2	0	2
AS	7607/7606	0	1	0	1	0	1	0	1	0	1	0	1
AS	7607/9502	0	2	0	2	0	2	0	2	0	2	0	2
AS	7614/7607	0	2	0	2	0	2	0	2	0	2	0	2
FLEET SUPPORT ACTIVITY, WEST -		TAR											
AS	7607	0	5	0	5	0	5	0	5	0	5	0	5
AS	7607/7616	0	1	0	1	0	1	0	1	0	1	0	1
AS	7607/9502	0	1	0	1	0	1	0	1	0	1	0	1
AS	7613/7607	0	1	0	1	0	1	0	1	0	1	0	1
AS	7614/7607	0	1	0	1	0	1	0	1	0	1	0	1
FLEET SUPPORT ACTIVITY, WEST -		SELRES											
AS	7607	0	2	0	2	0	2	0	2	0	2	0	2
AS	7607/7606	0	1	0	1	0	1	0	1	0	1	0	1
FLEET SUPPORT ACTIVITY, EAST -		USMC											
	6072	0	21	0	21	0	21	0	21	0	21	0	21
FLEET SUPPORT ACTIVITY, WEST -		USMC											
	6072	0	14	0	14	0	14	0	14	0	14	0	14

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

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02		
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
SUMMARY TOTAL														
OPERATIONAL ACTIVITY	-	ACDU	0	199	0	186	0	186	0	186	0	186	0	186
OPERATIONAL ACTIVITY	-	SELRES	0	2	0	2	0	2	0	2	0	2	0	2
OPERATIONAL ACTIVITY	-	USMC	0	518	0	518	0	518	0	518	0	518	0	518
OPERATIONAL ACTIVITY	-	SMCR	0	59	0	59	0	59	0	59	0	59	0	59
OPERATIONAL ACTIVITY	-	AR	0	18	0	18	0	18	0	18	0	18	0	18
FLEET SUPPORT ACTIVITY	-	ACDU	0	163	0	163	0	163	0	161	0	161	0	161
FLEET SUPPORT ACTIVITY	-	TAR	0	32	0	32	0	32	0	32	0	32	0	32
FLEET SUPPORT ACTIVITY	-	SELRES	0	24	0	23	0	23	0	21	0	21	0	21
FLEET SUPPORT ACTIVITY	-	USMC	0	35	0	35	0	35	0	35	0	35	0	35
GRAND TOTAL														
	-	ACDU	0	362	0	349	0	349	0	349	0	349	0	349
	-	TAR	0	32	0	32	0	32	0	32	0	32	0	32
	-	SELRES	0	26	0	25	0	25	0	23	0	23	0	23
	-	USMC	0	553	0	553	0	553	0	553	0	553	0	553
	-	SMCR	0	59	0	59	0	59	0	59	0	59	0	59
	-	AR	0	18	0	18	0	18	0	18	0	18	0	18

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

SOURCE: NAWCAD LKE

DATE: 2/1/97

ACTIVITY, UIC		PFYs	CFY98	FY99	FY00	FY01	FY02
CV-62 USS Independence	03362	0	1	0	0	0	0
LPH-11 New Orleans	07202	0	1	0	0	0	0
NAS Cecil Field	63032	0	0	0	1	0	0
TOTAL:		0	2	0	1	0	0

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG RATING	PNEC/SNEC PMOS/SMOS	
	OFF	ENL			
CV-62 USS Independence, 03362, FY98					
ACDU	0	8	AS	7618	
	0	1	AS	7618	7222
SELRES	0	1	AS	7618	
ACTIVITY TOTAL:	0	10			
LPH-11 New Orleans, 07202, FY98					
ACDU	0	4	AS	7618	
ACTIVITY TOTAL:	0	4			
NAS Cecil Field, 44315, FY00					
ACDU	0	2	AS	7607	
SELRES	0	2	AS	7607	
ACTIVITY TOTAL:	0	4			

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

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
FLEET SUPPORT ACTIVITY - ACDU													
AS	7618	0	0	0	13	0	0	0	0	0	0	0	0
AS	7607	0	0	0	0	0	0	0	2	0	0	0	0
FLEET SUPPORT ACTIVITY - SELRES													
AS	7618	0	0	0	1	0	0	0	0	0	0	0	0
AS	7607	0	0	0	0	0	0	0	2	0	0	0	0
SUMMARY TOTAL													
FLEET SUPPORT ACTIVITY		0	0	0	14	0	0	0	4	0	0	0	0
GRAND TOTAL													
		0	0	0	14	0	0	0	4	0	0	0	0

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

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

INSTRUCTOR BILLETS

TRAINING ACTIVITY, LOCATION, UIC: MTU 3032, NAMTRAGRU DET Jacksonville, 66051

ACDU														
AS1	7607	9502	0	3	0	3	0	3	0	3	0	3	0	3
AS2	7607	9502	0	3	0	3	0	3	0	3	0	3	0	3
USMC														
GYSGT	6072		0	1	0	1	0	1	0	1	0	1	0	1
SGT	6072		0	10	0	10	0	10	0	10	0	10	0	10
SSGT	6072		0	1	0	1	0	1	0	1	0	1	0	1
TOTAL ACTIVITY:			0	18	0	18	0	18	0	18	0	18	0	18

TRAINING ACTIVITY, LOCATION, UIC: MTU 3033, NAMTRAGRU DET North Island, 66065

ACDU														
AS1	7607	9502	0	2	0	2	0	2	0	2	0	2	0	2
AS1	7618	9502	0	2	0	2	0	2	0	2	0	2	0	2
AS2	7607	9502	0	2	0	2	0	2	0	2	0	2	0	2
AS2	7618	9502	0	2	0	2	0	2	0	2	0	2	0	2
USMC														
GYSGT	6072		0	1	0	1	0	1	0	1	0	1	0	1
SGT	6072		0	10	0	10	0	10	0	10	0	10	0	10
SSGT	6072		0	1	0	1	0	1	0	1	0	1	0	1
TOTAL ACTIVITY:			0	20	0	20	0	20	0	20	0	20	0	20

II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 3032 NAMTRAGRUDET Jacksonville, 66051													
	Navy	0	13.6	0	13.6	0	13.3	0	13.3	0	13.3	0	13.3
	Marine	0	21.1	0	21.1	0	21.1	0	21.1	0	21.1	0	21.1
MTU 3033 NAMTRAGRUDET North Island, 66065													
	Navy	0	7.4	0	7.4	0	6.9	0	6.9	0	6.9	0	6.9
	Marine	0	24.3	0	24.3	0	24.3	0	24.3	0	24.3	0	24.3
SUMMARY TOTAL													
	Navy	0	21.0	0	21.0	0	20.2	0	20.2	0	20.2	0	20.2
	Marine	0	45.4	0	45.4	0	45.4	0	45.4	0	45.4	0	45.4
GRAND TOTAL													
		0	66.4	0	66.4	0	65.6	0	65.6	0	65.6	0	65.6

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG RATING	PMOS/SMOS PNEC/SNEC	BILLET BASE	CFY98 +/- CUM	FY99 +/- CUM	FY00 +/- CUM	FY01 +/- CUM	FY02 +/- CUM
a. ENLISTED - USN							
		Operational Billets ACDU and TAR	199	-13 186	0 186	0 186	0 186
		Fleet Support Billets ACDU and TAR	195	0 195	0 195	-2 193	0 193
		Instructor and Support (Staff) Billets ACDU and TAR	14	0 14	0 14	0 14	0 14
		Chargeable Student Billets ACDU and TAR	21	0 21	-1 20	0 20	0 20
TOTAL USN ENLISTED BILLETS							
		Operational	199	-13 186	0 186	0 186	0 186
		Fleet Support	195	0 195	0 195	-2 193	0 193
		Staff	14	0 14	0 14	0 14	0 14
		Student	21	0 21	0 21	0 21	0 21
		SELRES	26	-1 25	0 25	-2 23	0 23
b. ENLISTED - USMC							
		Operational Billets USMC and AR	536	0 536	0 536	0 536	0 536
		Fleet Support Billets USMC and AR	35	0 35	0 35	0 35	0 35
		Instructor and Support (Staff) Billets USMC and AR	24	0 24	0 24	0 24	0 24
		Chargeable Student Billets USMC and AR	45	0 45	0 45	0 45	0 45
TOTAL USMC ENLISTED BILLETS							
		Operational	536	0 536	0 536	0 536	0 536
		Fleet Support	35	0 35	0 35	0 35	0 35
		Staff	24	0 24	0 24	0 24	0 24
		Student	45	0 45	0 45	0 45	0 45
		SMCR	59	0 59	0 59	0 59	0 59

II.B. PERSONNEL REQUIREMENTS

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: D-602-7010, Support Equipment Internal Combustion Engines and Related Systems
COURSE LENGTH: 9.4 Weeks **TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy:10% **BACKOUT FACTOR:** 0.19

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	FY98		FY99		FY00		FY01		FY02	
			OFF	ENL								
MTU 3032, NAMTRAGRU DET Jacksonville												
	Navy	ACDU		48		48		48		48		48
		TAR		8		8		8		8		8
		SELRES		2		2		2		2		2
COURSE TOTAL:				58		58		58		58		58

CIN, COURSE TITLE: D-602-7040, Support Equipment Engine/Gas Turbine and Related Systems
COURSE LENGTH: 16.6 Weeks **TOUR LENGTH:**
ATTRITION FACTOR: Marine: 0% **BACKOUT FACTOR:** 0.33

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	FY98		FY99		FY00		FY01		FY02	
			OFF	ENL								
MTU 3032, NAMTRAGRU DET Jacksonville												
	Marine	USMC		64		64		64		64		64
		AR		3		3		3		3		3
		SMCR		2		2		2		2		2
COURSE TOTAL:				69		69		69		69		69

CIN, COURSE TITLE: D-602-7090, (Afloat) Support Equipment Internal Combustion Engines and Related Systems
COURSE LENGTH: 7.0 Weeks **TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy:10% **BACKOUT FACTOR:** 0.14

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	FY98		FY99		FY00		FY01		FY02	
			OFF	ENL								
MTU 3032, NAMTRAGRU DET Jacksonville												
	Navy	ACDU		35		32		32		32		32
COURSE TOTAL:				35		32		32		32		32

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: E-602-7010, Support Equipment Internal Combustion Engines and Related Systems
COURSE LENGTH: 9.4 Weeks **TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy:10% **BACKOUT FACTOR:** 0.19

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	FY98		FY99		FY00		FY01		FY02	
			OFF	ENL								
MTU 3033, NAMTRAGRU DET North Island												
	Navy	ACDU		19		19		19		19		19
		TAR		3		3		3		3		3
		SELRES		0		1		0		0		1
COURSE TOTAL:				22		23		22		22		23

CIN, COURSE TITLE: E-602-7040, Support Equipment Engine/Gas Turbine and Related Systems
COURSE LENGTH: 16.6 Weeks **TOUR LENGTH:**
ATTRITION FACTOR: Marine: 0% **BACKOUT FACTOR:** 0.33

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	FY98		FY99		FY00		FY01		FY02	
			OFF	ENL								
MTU 3033, NAMTRAGRU DET North Island												
	Marine	USMC		75		75		75		75		75
		AR		2		2		2		2		2
		SMCR		2		2		2		2		2
COURSE TOTAL:				79		79		79		79		79

CIN, COURSE TITLE: E-602-7090, (Afloat) Support Equipment Internal Combustion and Related Systems
COURSE LENGTH: 7.0 Weeks **TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy:10% **BACKOUT FACTOR:** 0.14

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	FY98		FY99		FY00		FY01		FY02	
			OFF	ENL								
MTU 3033, NAMTRAGRU DET North Island												
	Navy	ACDU		30		26		26		26		26
COURSE TOTAL:				30		26		26		26		26

ACTIVITY TOTALS:

MTU 3032				162		158		158		158		158
MTU 3033				141		138		137		137		138

PART III - TRAINING REQUIREMENTS

The following elements are not affected by the Tow Tractors NTSP 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-602-7010, Support Equipment Internal Combustion Engines and Related Systems
TRAINING ACTIVITY: MTU 3032
LOCATION, UIC: NAMTRAGRU DET Jacksonville 66051

SOURCE: Navy **STUDENT CATEGORY:** ACDU/TAR

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	56	0	56	0	56	0	56	0	56	ATIR
0	50	0	50	0	50	0	50	0	50	Output
0	9.4	0	9.4	0	9.4	0	9.4	0	9.4	AOB
0	9.4	0	9.4	0	9.4	0	9.4	0	9.4	Chargeable

SOURCE: Navy **STUDENT CATEGORY:** SELRES

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

CIN, COURSE TITLE: D-602-7040, Support Equipment Engine/Gas Turbine and Related Systems
TRAINING ACTIVITY: MTU 3032
LOCATION, UIC: NAMTRAGRU DET Jacksonville 66051

SOURCE: Marine **STUDENT CATEGORY:** USMC/AR

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	67	0	67	0	67	0	67	0	67	ATIR
0	67	0	67	0	67	0	67	0	67	Output
0.0	21.1	0.0	21.1	0.0	21.1	0.0	21.1	0.0	21.1	AOB
0.0	21.1	0.0	21.1	0.0	21.1	0.0	21.1	0.0	21.1	Chargeable

SOURCE: Marine **STUDENT CATEGORY:** SMCR

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	2	0	2	0	2	0	2	0	2	ATIR
0	2	0	2	0	2	0	2	0	2	Output
0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.6	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-602-7090, (Afloat) Support Equipment Internal Combustion Engines and Related Systems
TRAINING ACTIVITY: MTU 3032
LOCATION, UIC: NAMTRAGRU DET Jacksonville 66051

SOURCE: Navy **STUDENT CATEGORY:** ACDU

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	35	0	32	0	32	0	32	0	32	ATIR
0	31	0	29	0	29	0	29	0	29	Output
0.0	4.2	0.0	3.9	0.0	3.9	0.0	3.9	0.0	3.9	AOB
0.0	4.2	0.0	3.9	0.0	3.9	0.0	3.9	0.0	3.9	Chargeable

CIN, COURSE TITLE: E-602-7010, Support Equipment Internal Combustion Engines and Related Systems
TRAINING ACTIVITY: MTU 3033
LOCATION, UIC: NAMTRAGRU DET North Island 66065

SOURCE: Navy **STUDENT CATEGORY:** ACDU/TAR

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	22	0	22	0	22	0	22	0	22	ATIR
0	20	0	20	0	20	0	20	0	20	Output
0.0	3.7	0.0	3.7	0.0	3.7	0.0	3.7	0.0	3.7	AOB
0.0	3.7	0.0	3.7	0.0	3.7	0.0	3.7	0.0	3.7	Chargeable

CIN, COURSE TITLE: E-602-7010, Support Equipment Internal Combustion Engines and Related Systems
TRAINING ACTIVITY: MTU 3033
LOCATION, UIC: NAMTRAGRU DET North Island 66065

SOURCE: Navy **STUDENT CATEGORY:** SELRES

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

CIN, COURSE TITLE: E-602-7040, Support Equipment Engine/Gas Turbine and Related Systems
TRAINING ACTIVITY: MTU 3033
LOCATION, UIC: NAMTRAGRU DET North Island 66065

SOURCE: Marine **STUDENT CATEGORY:** USMC/AR

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	77	0	77	0	77	0	77	0	77	ATIR
0	77	0	77	0	77	0	77	0	77	Output
0.0	24.3	0.0	24.3	0.0	24.3	0.0	24.3	0.0	24.3	AOB
0.0	24.3	0.0	24.3	0.0	24.3	0.0	24.3	0.0	24.3	Chargeable

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: E-602-7040, Support Equipment Engine/Gas Turbine and Related Systems
TRAINING ACTIVITY: MTU 3033
LOCATION, UIC: NAMTRAGRU DET North Island 66065

SOURCE: Marine **STUDENT CATEGORY:** SMCR

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	2	0	2	0	2	0	2	0	2	ATIR
0	2	0	2	0	2	0	2	0	2	Output
0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.6	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

CIN, COURSE TITLE: E-602-7090, (Afloat) Support Equipment Internal Combustion and Related Systems
TRAINING ACTIVITY: MTU 3033
LOCATION, UIC: NAMTRAGRU DET North Island 66065

SOURCE: Navy **STUDENT CATEGORY:** ACDU

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	30	0	26	0	26	0	26	0	26	ATIR
0	27	0	23	0	23	0	23	0	23	Output
0.0	3.7	0.0	3.2	0.0	3.2	0.0	3.2	0.0	3.2	AOB
0.0	3.7	0.0	3.2	0.0	3.2	0.0	3.2	0.0	3.2	Chargeable

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

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

IV.A.2. Training Devices

IV.B.1. Training Services

IV.C. Facility Requirements

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

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

IV.C.3. Facility Project Summary by Program

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

IV.A. TRAINING HARDWARE

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

CIN, COURSE TITLE: C-602-3286, A/S 32A-37 V1-V2 Heavy Aircraft Tow Tractor Intermediate Maintenance

TRAINING ACTIVITY: MTU 3032

LOCATION, UIC: NAMTRAGRU DET Jacksonville, 66051

ITEM NUMBER	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE 0006	A/S 32A-37 Tow Tractor	1	Jan 90	GFE	On board

TRAINING ACTIVITY: MTU 3033

LOCATION, UIC: NAMTRAGRU DET North Island, 66065

ITEM NUMBER	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE 0006	A/S 32A-37 Tow Tractor	1	Jan 90	GFE	On board

CIN, COURSE TITLE: C-602-3290, A/S 32A-32 Aircraft Towing Tractor Intermediate Maintenance

TRAINING ACTIVITY: MTU 3032

LOCATION, UIC: NAMTRAGRU DET Jacksonville, 66051

ITEM NUMBER	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE 0007	A/S 32A-32 Tow Tractor	1	Apr 91	GFE	On board

TRAINING ACTIVITY: MTU 3033

LOCATION, UIC: NAMTRAGRU DET North Island, 66065

ITEM NUMBER	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE 0007	A/S 32A-32 Tow Tractor	1	Apr 91	GFE	On board

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

CIN, COURSE TITLE: C-602-3301, Support Equipment Shore Tractors and Related Intermediate Maintenance

TRAINING ACTIVITY: MTU 3032

LOCATION, UIC: NAMTRAGRU DET Jacksonville, 66051

ITEM NUMBER	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE 0001	JG-75 Series Tow Tractor	2	Mar 88	GFE	On board
0002	TA-75 Series Tow Tractor	2	Feb 88	GFE	On board
0003	A/S 32A-30A Tow Tractor	2	Jun 92	GFE	On board
0004	A/S 32A-31 Tow Tractor	2	Nov 86	GFE	On board
0005	A/S 32A-42 Tow Tractor	2	Jan 96	GFE	On board

TRAINING ACTIVITY: MTU 3033

LOCATION, UIC: NAMTRAGRU DET North Island, 66065

ITEM NUMBER	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE 0001	JG-75 Series Tow Tractor	2	Mar 88	GFE	On board
0002	TA-75 Series Tow Tractor	2	Feb 88	GFE	On board
0003	A/S 32A-30A Tow Tractor	2	Jun 92	GFE	On board
0004	A/S 32A-31 Tow Tractor	2	Nov 86	GFE	On board
0005	A/S 32A-42 Tow Tractor	2	Jan 96	GFE	On board

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

CIN, COURSE TITLE: C-602-3309, A/S 32A-31A Intermediate Maintenance

TRAINING ACTIVITY: MTU 3032

LOCATION, UIC: NAMTRAGRU DET Jacksonville, 66051

ITEM NUMBER	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE 0008	A/S 32A-31A Tow Tractor	2	Feb 95	GFE	On board

TRAINING ACTIVITY: MTU 3033

LOCATION, UIC: NAMTRAGRU DET North Island, 66065

ITEM NUMBER	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE 0008	A/S 32A-31A Tow Tractor	2	Feb 95	GFE	On board

CIN, COURSE TITLE: C-822-2010, Aviation Boatswain's Mate Aircraft Handling ABH Class A School

TRAINING ACTIVITY: NATTC Pensacola

LOCATION, UIC: NAS Pensacola, 39831

ITEM NUMBER	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE 0005	A/S 32A-42 Tow Tractor	2	Aug 96	GFE	On board

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

CIN, COURSE TITLE: C-602-3286, A/S 32A-37 V1-V2 Heavy Aircraft Tow Tractor Intermediate Maintenance

TRAINING ACTIVITY: MTU 3032

LOCATION, UIC : NAMTRAGRU DET Jacksonville, 66051

TYPE OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Curricula Outlines	3	Dec 89	On board
Instructor Guides	3	Dec 89	On board
Transparencies, Wall Charts, 35mm Slides, and Audio Cassettes	2 sets	Dec 89	On board
Student Guides	100	Dec 89	On board

TRAINING ACTIVITY: MTU 3033

LOCATION, UIC : NAMTRAGRU DET North Island, 66065

TYPE OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Curricula Outlines	3	Dec 89	On board
Instructor Guides	3	Dec 89	On board
Transparencies, Wall Charts, 35mm Slides, and Audio Cassettes	2 sets	Dec 89	On board
Student Guides	100	Dec 89	On board

CIN, COURSE TITLE: C-602-3290, A/S 32A-32 Aircraft Towing Tractor Intermediate Maintenance

TRAINING ACTIVITY: MTU 3032

LOCATION, UIC : NAMTRAGRU DET Jacksonville, 66051

TYPE OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Curricula Outlines	3	Mar 91	On board
Instructor Guides	3	Mar 91	On board
Transparencies, Wall Charts, 35mm Slides, and Audio Cassettes	2 sets	Mar 91	On board
Student Guides	100	Mar 91	On board

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: MTU 3033

LOCATION, UIC : NAMTRAGRU DET North Island, 66065

TYPE OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Curricula Outlines	3	Mar 91	On board
Instructor Guides	3	Mar 91	On board
Transparencies, Wall Charts, 35mm Slides, and Audio Cassettes	2 sets	Mar 91	On board
Student Guides	100	Mar 91	On board

CIN, COURSE TITLE: C-602-3301, Support Equipment Shore Tractors and Related Intermediate Maintenance

TRAINING ACTIVITY: MTU 3032

LOCATION, UIC : NAMTRAGRU DET Jacksonville, 66051

TYPE OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Curricula Outlines	3	Oct 96	On board
Instructor Guides	3	Oct 96	On board
Transparencies, Wall Charts, 35mm Slides, and Audio Cassettes	2 sets	Oct 96	On board
Student Guides	100	Oct 96	On board

TRAINING ACTIVITY: MTU 3033

LOCATION, UIC : NAMTRAGRU DET North Island, 66065

TYPE OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Curricula Outlines	3	Oct 96	On board
Instructor Guides	3	Oct 96	On board
Transparencies, Wall Charts, 35mm Slides, and Audio Cassettes	2 sets	Oct 96	On board
Student Guides	100	Oct 96	On board

CIN, COURSE TITLE: C-602-3309, A/S 32A-31A Intermediate Maintenance

TRAINING ACTIVITY: MTU 3032

LOCATION, UIC : NAMTRAGRU DET Jacksonville, 66051

TYPE OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Curricula Outlines	3	Jan 95	On board
Instructor Guides	3	Jan 95	On board
Transparencies, Wall Charts, 35mm Slides, and Audio Cassettes	2 sets	Jan 95	On board

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: MTU 3033

LOCATION, UIC : NAMTRAGRU DET North Island, 66065

TYPE OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Curricula Outlines	3	Jan 95	On board
Instructor Guides	3	Jan 95	On board
Transparencies, Wall Charts, 35mm Slides, and Audio Cassettes	2 sets	Jan 95	On board
Student Guides	100	Jan 95	On board

IV.B.3. TECHNICAL MANUALS

CIN, COURSE TITLE: C-602-3286, A/S 32A-37 V1-V2 Heavy Aircraft Tow Tractor Intermediate Maintenance

TRAINING ACTIVITY: MTU 3032

LOCATION, UIC : NAMTRAGRU DET Jacksonville, 66051

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 16-1-8.1 Aeronautical Support Equipment Work Unit Code Manual	Hard copy	10	Dec 1989	On board
NAVAIR 19-40-519 Technical Manual, Operation and Maintenance Instructions with IPB, Aircraft Towing Tractor A/S 32A-37	Hard copy	10	Dec 1989	On board
NAVAIR 19-600-231-6-1 Preoperational Checklist Aircraft Towing Tractor A/S 32A-37 (TA-35)	Hard copy	10	Dec 1989	On board
NAVAIR 19-600-231-6-2 Technical Manual, Periodic Maintenance Manual, Aircraft Towing Tractor Model TA-35 Naval Engineering Center (GMPF)	Hard copy	10	Dec 1989	On board

TRAINING ACTIVITY: MTU 3033

LOCATION, UIC : NAMTRAGRU DET North Island, 66065

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 16-1-8.1 Aeronautical Support Equipment Work Unit Code Manual	Hard copy	10	Dec 1989	On board
NAVAIR 19-40-519 Technical Manual, Operation and Maintenance Instructions with IPB, Aircraft Towing Tractor A/S 32A-37	Hard copy	10	Dec 1989	On board
NAVAIR 19-600-231-6-1 Preoperational Checklist, Aircraft Towing Tractor A/S 32A-37 (TA-35)	Hard copy	10	Dec 1989	On board
NAVAIR 19-600-231-6-2 Technical Manual, Periodic Maintenance Manual, Aircraft Towing Tractor Model TA-35 Naval Engineering Center (GMPF)	Hard copy	10	Dec 1989	On board

IV.B.3. TECHNICAL MANUALS

CIN, COURSE TITLE: C-602-3290, A/S 32A-32 Aircraft Towing Tractor Intermediate Maintenance

TRAINING ACTIVITY: MTU 3032

LOCATION, UIC : NAMTRAGRU DET Jacksonville, 66051

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 19-1-157 Operation and Maintenance Instruction with IPB; Aircraft Towing Tractor, A/S 32A-32, Part Number 1366AS100	Hard copy	10	Mar 1991	On board
NAVAIR 19-600-223-6-1 Preoperational Checklist, Tractor, Aircraft Towing, Shipboard, A/S 32A-32	Hard copy	10	Mar 1991	On board
NAVAIR 19-600-223-6-2 Periodic Maintenance Requirements Manual, Tractor, Aircraft Towing, Shipboard, A/S 32A-32	Hard copy	10	Mar 1991	On board

TRAINING ACTIVITY: MTU 3033

LOCATION, UIC : NAMTRAGRU DET North Island, 66065

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 19-1-157 Operation and Maintenance Instruction with IPB; Aircraft Towing Tractor, A/S 32A-32, Part Number 1366AS100	Hard copy	10	Mar 1991	On board
NAVAIR 19-600-223-6-1 Preoperational Checklist, Tractor, Aircraft Towing, Shipboard, A/S 32A-32	Hard copy	10	Mar 1991	On board
NAVAIR 19-600-223-6-2 Periodic Maintenance Requirements Manual, Tractor, Aircraft Towing, Shipboard, A/S 32A-32	Hard copy	10	Mar 1991	On board

IV.B.3. TECHNICAL MANUALS

CIN, COURSE TITLE: C-602-3301, Support Equipment Shore Tractors and Related Intermediate Maintenance

TRAINING ACTIVITY: MTU 3032

LOCATION, UIC : NAMTRAGRU DET Jacksonville, 66051

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 19-40-33 Operation and Intermediate Maintenance Instructions with IPB, Aircraft Towing Tractor, JG-75, JG-75-1, and JG-75-3	Hard copy	10	Mar 1988	On board
NAVAIR 19-40-35 Operation and Intermediate Maintenance Instructions with IPB, Aircraft Towing Tractor, TA-75A/B/C	Hard copy	10	Feb 1988	On board
NAVAIR 19-40-44 Operational and Intermediate Maintenance Instruction with IPB, Aircraft Towing Tractor, A/S 32A-31	Hard copy	10	Nov 1986	On board
NAVAIR 19-40-45 Operation and Intermediate Maintenance Instruction with IPB, Aircraft Towing Tractor, A/S 32A-30A	Hard copy	10	Jun 1992	On board
NAVAIR 19-40-522 Operation and Intermediate Maintenance Instructions with IPB, Aircraft Towing Tractor, A/S 32A-42	Hard copy	10	Mar 1996	On board
NAVAIR 19-600-126-6-1 Preoperational Checklist, Aircraft Towing Tractor, TA-75A/B/C	Hard copy	10	Feb 1988	On board
NAVAIR 19-600-126-6-2 Periodic Maintenance Requirements Manual, Aircraft Towing Tractor, TA-75A/B/C	Hard copy	10	Feb 1988	On board
NAVAIR 19-600-184-6-1 Preoperational Checklist, Aircraft Towing Tractor, A/S 32A-31	Hard copy	10	Nov 1986	On board
NAVAIR 19-600-184-6-2 Periodic Maintenance Requirements Manual, Aircraft Towing Tractor, A/S 32A-31	Hard copy	10	Nov 1986	On board
NAVAIR 19-600-186-6-1 Preoperational Checklist, Aircraft Towing Tractor, A/S 32A-30A	Hard copy	10	Jun 1992	On board
NAVAIR 19-600-186-6-2 Periodic Maintenance Requirements Manual, Aircraft Towing Tractor, A/S 32A-30A	Hard copy	10	Jun 1992	On board
NAVAIR 19-600-288-6-1 Preoperational Checklist, Aircraft Towing Tractor, A/S 32A-42	Hard copy	10	Mar 1996	On board

IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 19-600-288-6-2 Periodic Maintenance Requirements Manual, Aircraft Towing Tractor, A/S 32A-42	Hard copy	10	Mar 1996	On board
NAVAIR 19-600-46-6-1 Preoperational Checklist, Aircraft Towing Tractor, JG-75, JG-75-1, and JG-75-3	Hard copy	10	Mar 1988	On board
NAVAIR 19-600-46-6-2 Periodic Maintenance Requirements Manual, Aircraft Towing Tractor, JG-75, JG-75-1, and JG-75-3	Hard copy	10	Mar 1988	On board

TRAINING ACTIVITY: MTU 3033
LOCATION, UIC : NAMTRAGRU DET North Island, 66065

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 19-40-33 Operation and Intermediate Maintenance Instructions with IPB, Aircraft Towing Tractor, JG-75, JG-75-1, and JG-75-3	Hard copy	10	Mar 1988	On board
NAVAIR 19-40-35 Operation and Intermediate Maintenance Instructions with IPB, Aircraft Towing Tractor, TA-75A/B/C	Hard copy	10	Feb 1988	On board
NAVAIR 19-40-44 Operational and Intermediate Maintenance Instruction with IPB, Aircraft Towing Tractor, A/S 32A-31	Hard copy	10	Nov 1986	On board
NAVAIR 19-40-45 Operation and Intermediate Maintenance Instruction with IPB, Aircraft Towing Tractor, A/S 32A-30A	Hard copy	10	Jun 1992	On board
NAVAIR 19-40-522 Operation and Intermediate Maintenance Instructions with IPB, Aircraft Towing Tractor, A/S 32A-42	Hard copy	10	Mar 1996	On board
NAVAIR 19-600-126-6-1 Preoperational Checklist, Aircraft Towing Tractor, TA-75A/B/C	Hard copy	10	Feb 1988	On board
NAVAIR 19-600-126-6-2 Periodic Maintenance Requirements Manual, Aircraft Towing Tractor, TA-75A/B/C	Hard copy	10	Feb 1988	On board
NAVAIR 19-600-184-6-1 Preoperational Checklist, Aircraft Towing Tractor, A/S 32A-31	Hard copy	10	Nov 1986	On board
NAVAIR 19-600-184-6-2 Periodic Maintenance Requirements Manual, Aircraft Towing Tractor, A/S 32A-31	Hard copy	10	Nov 1986	On board

IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 19-600-186-6-1 Preoperational Checklist, Aircraft Towing Tractor, A/S 32A-30A	Hard copy	10	Jun 1992	On board
NAVAIR 19-600-186-6-2 Periodic Maintenance Requirements Manual, Aircraft Towing Tractor, A/S 32A-30A	Hard copy	10	Jun 1992	On board
NAVAIR 19-600-288-6-1 Preoperational Checklist, Aircraft Towing Tractor, A/S 32A-42	Hard copy	10	Mar 1996	On board
NAVAIR 19-600-288-6-2 Periodic Maintenance Requirements Manual, Aircraft Towing Tractor, A/S 32A-42	Hard copy	10	Mar 1996	On board
NAVAIR 19-600-46-6-1 Preoperational Checklist, Aircraft Towing Tractor, JG-75, JG-75-1, and JG-75-3	Hard copy	10	Mar 1988	On board
NAVAIR 19-600-46-6-2 Periodic Maintenance Requirements Manual, Aircraft Towing Tractor, JG-75, JG-75-1, and JG-75-3	Hard copy	10	Mar 1988	On board

CIN, COURSE TITLE: C-602-3309, A/S 32A-31A Intermediate Maintenance

TRAINING ACTIVITY: MTU 3032

LOCATION, UIC : NAMTRAGRU DET Jacksonville, 66051

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 16-1-8.1 Technical Manual, Work Unit Code, Aeronautical Support Equipment	Hard copy	10	Dec 1989	On board
NAVAIR 19-40-521 Technical manual, Operation and Intermediate Maintenance with IPB Aircraft Towing Tractor A/S 32A-31A	Hard copy	10	Jan 1995	On board
NAVAIR 19-600-287-6-1 Preoperational Checklist Aircraft Towing Tractor, Shipboard A/S 32A-31A	Hard copy	10	Jan 1995	On board
NAVAIR 19-600-287-6-2 Technical Manual Periodic Maintenance Requirements Manual, Aircraft Towing Tractor, Shipboard A/S 32A-31A	Hard copy	10	Jan 1995	On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MTU 3033

LOCATION, UIC : NAMTRAGRU DET North Island, 66065

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 16-1-8.1 Technical Manual, Work Unit Code, Aeronautical Support Equipment	Hard copy	10	Dec 1989	On board
NAVAIR 19-40-521 Technical manual, Operation and Intermediate Maintenance with IPB Aircraft Towing Tractor A/S 32A-31A	Hard copy	10	Jan 1995	On board
NAVAIR 19-600-287-6-1 Preoperational Checklist Aircraft Towing Tractor, Shipboard A/S 32A-31A	Hard copy	10	Jan 1995	On board
NAVAIR 19-600-287-6-2 Technical Manual Periodic Maintenance Requirements Manual, Aircraft Towing Tractor, Shipboard A/S 32A-31A	Hard copy	10	Jan 1995	On board

PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
DA	Proposed NTP submitted to OPNAV.	5/84	Completed
DA	Begin analysis of manpower, personnel, and training requirements.	3/88	Completed
OPO	Program manpower and training resource requirements.	5/88	Completed
NMPC/CMC	Order instructors and support personnel for the A/S32A-32 training.	5/89	Completed
DA	Distribute Draft NTP for review and comment.	9/89	Completed
OPO	Chair NTPC and issue minutes and action items that result.	1/90	Completed
OPO	Approve and promulgate NTP.	8/90	Completed
TSA	A/S 32A-32 TTE delivered.	4/91	Completed
TSA	Begin follow-on training on the A/S 32A-32.	10/91	Completed
DA	Promulgate update draft NTP for review and comment.	3/92	Completed
OPO	Approve and promulgate update NTP.	12/92	Completed
TSA	A/S 32A-31A TTE delivered.	2/95	Completed
DA	Promulgate update draft NTP for review and comment.	6/95	Completed
TSA	Begin initial training for the A/S 32A-42.	11/95	Completed
DA	Fleet introduction of the A/S 32A-31A.	FY95	Completed
TSA	Curricula materials developed for the revised course C-602-3301.	10/96	Completed
TSA	A/S 32A-42 TTE delivered.	10/96	Completed
DA	Fleet introduction of the A/S 32A-42.	FY96	Completed
DA	Promulgate draft NTSP for review and comment.	1/98	Completed
OPO	A/S 32A-31A MSD.	2/98	Completed
OPO	Approve and promulgate NTSP.	6/98	Completed
OPO	AS 32A-42 MSD.	9/98	

PART VI - ACTION ITEMS / ACTION REQUIRED

ACTION ITEM OR
ACTION REQUIRED

COMMAND ACTION DUE DATE STATUS

None.

PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
CAPT P. Laszcz Head, Plans, Policy, and Fleet Maintenance Support CNO, N881B laszcz.pete@hq.navy.mil	COMM: (703) 604-7755 DSN: 664-7755 FAX: (703)604-6994
CAPT F. Smith Aviation Technical Training CNO, N889H smith.frank@hq.navy.mil	COMM: (703) 604-7730 DSN: 664-7730 FAX: (703) 604-6939
MSGT D. Anderson Navy Training System Plan Manager CNO, N889H6 anderson.david@hq.navy.mil	COMM: (703) 604-7722 DSN: 664-7722 FAX: (703) 604-6939
CDR Q. Hodge Aviation Manpower CNO, N122H	COMM: (703) 614-5364 DSN: 224-5364
Mr. R. Zweibel Training Technology Policy CNO, N75B	COMM: (703) 614-1344 DSN: 224-1344 FAX: (703) 695-5698
LCOL M. Cooper USMC Aircraft Maintenance Officer CMC, ASL-33	COMM: (703) 614-1187 DSN: 224-1187
AMHC C. Poirier Program Manager Training Systems NAVAIRSYSCOM, PMA2053E1 poirierca.jfk@navair.navy.mil	COMM: (301) 757-8141 DSN: 757-8141 FAX: (301) 757-8709 / 6945
Mr. G. Pullen Program Manager NAWCAD Lakehurst, 1.1.X717B	COMM: (908) 323-4722 DSN: 624-4722
LCDR E. Hawkins Aviation Navy Training System Plan Manager CINCLANTFLT, N-721	COMM: (804) 445-7853 DSN: 565-7853
LT C. Presley Fleet Training and Readiness Coordinator CINCPACFLT, N-323 s343@cpt.navy.mil	COMM: (808) 474-6965 DSN: 474-6965
AWCS F. Mitchell Reserve Quotas COMNAVAIRESFOR, N-711 mitchell@cnrf.nola.navy.mil	COMM: (504) 678-1405 DSN: 678-1405 FAX: (504) 678-6847

PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
CAPT R. Gibson Deputy Assistant, Chief of Military Personnel for Distribution BUPERS, PERS 4B p4b@bupers.navy.mil	COMM: (703) 614-3454 DSN: 224-3454 FAX: (703) 614-7705
CDR Lineberg Branch Head, Aviation Rating BUPERS, PERS 404	COMM: (703) 693-1370 DSN: 223-1370
MAJ F. Simonds Total Force Structure Division MCCDC, C5325A	COMM: (703) 784-6241 DSN: 278-6241
Mr. J. Smoot Head, Aviation Manpower Requirements Section NAVMAC, 544	COMM: (901) 874-5975 DSN: 882-5975 ext. 1643
CDR L. S. Gingerly Aviation Manpower NAVMAC, 30	COMM: (901) 874-6218 DSN: 882-6218 FAX: (901) 874-6471
CDR R. Martin Aviation Technical Training CNET, ETE323	COMM: (904) 452-4915 DSN: 922-4915 FAX: (904) 452-4901
Mr. E. Scheye Aviation Navy Training System Plan Manager CNET, T252	COMM: (904) 452-4853 DSN: 922-4853
ASC J. Bliss Training Coordinator for SE Intermediate Maintenance NAMTRAGRU HQ, N2216	COMM: (904) 452-9799 ext. 248 DSN: 922-9799 ext. 248
ASCS M. Sandborne Training Coordinator for SE Operator Training NAMTRAGRU HQ, N5217	COMM: (904) 452-9799 ext. 197 DSN: 922-9799 ext. 197
Mr. M. Haskins Technical Publications NATSF, 24-4	COMM: (215) 657-5378 DSN: 442-5378
Mr. E. Zubrycki Logistics Manager NAWCAD Lakehurst, 3.1.5000B	COMM: (908) 323-7926 DSN: 624-7926
Mr. J. Gunzelman Training Manager NAWCAD Lakehurst, 3.4.1	COMM: (908) 323-1992 DSN: 624-1992

PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
Mr. Phil Szczyglowski Competency Manager NAVAIRSYSCOM, 3.4.1 szczyglowski_phil%pax8b@mr.nawcad.navy.mil	COMM: (301) 757-9182 DSN: 757-9182 FAX: (301) 342-4723
AVCM Roger Lovern NTSP Manager NAVAIRSYSCOM, 3.4.1 lovern_roger%pax8b@mr.nawcad.navy.mil	COMM: (301) 757-9183 DSN: 757-9183 FAX: (301) 342-4723
ATCS Steve Worthen NTSP Coordinator NAVAIRSYSCOM, 3.4.1 worthen_stephen%pax8b@mr.nawcad.navy.mil	COMM: (301)757-9194 DSN: 757-9194 FAX: (301) 342-4723