N88-NTSP A-50-9301D/P

NAVAL MISSION PLANNING SYSTEM (NavMPS)

NAVY TRAINING SYSTEM PLAN

EXECUTIVE SUMMARY

This Naval Mission Planning System (NavMPS) Navy Training System Plan (NTSP) addresses the continued fleet introduction of NavMPS hardware, the incorporation of the current Tactical Automated Mission Planning System (TAMPS) software release 6.2K.

The NavMPS provides the Navy and Marine Corps with an automated method of mission planning and optimizing routes for strike warfare. NavMPS provides mission planners with a computer-based system capable of rapidly processing large quantities of digitized terrain, threat data, and environmental data, as well as, aircraft and weapon system parameters. In addition, NavMPS also provides digital download capabilities (i.e., JTIDS, GPS, EMDU, F/A-18 MU, etc.).

The NavMPS system includes software and a tactical computing system. TAMPS software release 6.2K is hosted on the SUN ULTRA 2 and the Aircraft Carrier Intelligence Center (CVIC) Enterprise 4000 and 2300 configurations. The TAMPS software version 6.2K was released in December 1998.

A properly maintained NavMPS system (software and hardware) will greatly enhance the ability of associated aircrews to rapidly plan missions and evaluate potential threats with greater accuracy. This will increase mission effectiveness, and at the same time, increase aircraft survivability. In addition, it provides aircrew additional time to enhance their situational awareness during stressful periods prior to launch.

Instructor requirements at the Fleet Replacement Squadrons (FRSs), the weapon schools, the Sea-based Weapons and Advanced Tactics School, Pacific (SWATSCOLPAC), and the Navy and Marine Corps Intelligence Training Center (NMITC) remain consistent with existing billet structure. Fleet and fleet support billet requirements will also remain consistent.

Since the approval of the preceding NTSP, various refinements have been made in the NavMPS community. The following is a brief description of changes that have occurred:

- The introduction schedule has been modified to meet current NavMPS deliveries.

- Technical Training Equipment delivery schedules and Ready For Training (RFT) dates have been updated to reflect current planning.

- The SUN ULTRA 2, CVIC Enterprise 4000 and 2300 information has been updated.

- The Navy - Portable Flight Planning Software (N-PFPS) information has been updateded.

- The Tactical Strike Coordination Manager (TSCM) information has been deleted.

This NTSP contains Navy and Marine Corps Active Duty (ACDU), Navy Selected Reserves (SELRES), and Selected Marine Corps Reserve (SMCR) Manpower, Personnel and Training requirements regarding the NavMPS. As future modifications are made to the NavMPS program, they will be included in this NTSP via the annual review/revision process.

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LIST OF ACRONYMS

ACDU/AD	- Active Duty
ACE/VME	- All Computing Environments/Versa Modular Europa
ACO	- Airspace Control Order
AD	- Aircraft Division
ALSP	- Acquisition Logistics Support Plan
ALTIS	- Aviation Logistics Tactical Information Systems
AOB	- Average On-Board
ARC	- Arc-second Raster Chart
ATIR	- Annual Training Input Requirements
ATM	- Asynchronous Transfer Mode
ATO	- Air Tasking Order
CAG	- Carrier Air Group
CBT	- Computer Based Training
CDBA	- Common Data Base Access
CD-ROM	- Compact Disk Read Only Memory
CFE	- Contractor Furnished Equipment
CHNAVPERS	- Chief of Naval Personnel
CIB	- Controlled Image Base
CIN	- Course Identification Number
CINCLANTFLT	- Commander-in-Chief, U.S. Atlantic Fleet
CINCPACFLT	- Commander-in-Chief, U.S. Pacific Fleet
CJTF	- Commander Joint Task Force
CMC	- Commandant of the Marine Corps
CNET	- Chief of Naval Education and Training
CNO	- Chief of Naval Operations
COMNAVAIRSYSCOM	- Commander, Naval Air Systems Command
COMNAVPERSCOM	- Commander, Naval Personnel Command
COMOPTEVFOR	- Commander, Operational Test and Evaluation Force
COMTRALANT	- Commander, Training Command Atlantic Fleet
COTS	- Commercial Off-The-Shelf
CPU	- Central Processing Unit
CV	- Aircraft Carrier
CVIC	- Aircraft Carrier Intelligence Center
CVN	- Aircraft Carrier, Nuclear Powered

LIST OF ACRONYMS
(Continued)

DA	- Developing Activity
DAFIF	- Digital Aeronautical Flight Information Files
DBA	- Data Base Administration/Administrator
DIA	- Defense Intelligence Agency
DPM	- Data Preparation and Maintenance
DS	- Data Systems Technician
DSU	- Data Storage Unit
DT	- Development Test
DTC	- Desktop Tactical Computer
DTED	- Digital Terrain Elevation Data
DTD	- Data Transfer Device(s)
ECWS	- Electronic Combat Weapons School
EMDU	- Enhanced Main Display Unit
ER	- Extended Response
ET	- Electronics Technician
FAMP	- Forward Area Minefield Planning
FIT	- Fleet Introduction Team
FRS	- Fleet Replacement Squadron
FY	- Fiscal Year
GB	- Gigabyte
GCCS - M	- Global Command and Control System - Maritime
GFE	- Government Furnished Equipment
GOTS	- Government Off-The-Shelf
GPETE	- General Purpose Electronic Test Equipment
GPTE	- General Purpose Test Equipment
GPS	- Global Positioning System
HARM	- High Speed Anti-Radiation Missile

LIST OF ACRONYMS
(Continued)

IDB	- Integrated Data Base
IPC	- Inter-Process Communications
IS	- Intelligence Specialist
IV&V	- Independent Verification and Validation
JDAM	- Joint Direct Attack Munition
JMPS	- Joint Mission Planning System
JSOW	- Joint Stand Off Weapon
JTIDS	- Joint Tactical Information Distribution System
JTF	- Joint Task Force
LAN	- Local Area Network
LRU	- Lowest Replaceable Unit
MAG	- Marine Aircraft Group
MAW	- Marine Aircraft Wing
MAWTS-1	- Marine Aviation Weapons and Tactics Squadron One
MB	- Megabyte
MCCDC	- Marine Corps Combat Development Center
MDL	- Mission Data Loader
MFCDU	- Multi Function Control and Display Unit
MHz	- Mega Hertz
MIDB	- Modernized Integrated Database
MINEWARTRACEN	- Mine Warfare Training Center
MOS	- Military Occupational Specialty
M&P	- Manpower and Personnel
MPE	- Mission Planning Executive
MPF	- Mission Planning Function
MPM	- Mission Planning Module
MRC	- Maintenance Requirements Card
MU	- Memory Unit

LIST OF ACRONYMS
(Continued)

NAS	- Naval Air Station
NATOPS	- Naval Air Training and Operating Procedures Standardization
NAVAIRLANT	- Naval Air Force Atlantic Fleet
NAVAIRPAC	- Naval Air Force Pacific Fleet
NAVAIRSYSCOM	- Naval Air Systems Command
NavMPS	- Naval Mission Planning System
NAWC	- Naval Air Warfare Center
NEC	- Navy Enlisted Classification
NFO	- Naval Flight Officer
NIMA	- National Imagery and Mapping Agency
NIOBC	- Naval Intelligence Officer Basic Course
NMITC	- Navy and Marine Corps Intelligence Training Center
NOBC	- Navy Officer Billet Classification
N-PFPS	- Navy - Portable Flight Planning Software
NSAWC	- Naval Strike and Air Warfare Center
NTP	- Navy Training Plan
NTSP	- Navy Training System Plan
OFP	- Operational Flight Program
OPO	- OPNAV Principal Official
OT	- Operational Test
PC	- Personal Computer
PEO	- Program Executive Office
PMA	- Program Manager, Air
PMOS	- Primary Military Occupational Specialty
PNEC	- Primary Navy Enlisted Classification
RAM	- Random Access Memory
RDD	- Required Delivery Date
RFT	- Ready For Training

LIST OF ACRONYMS
(Continued)

SA	- System Administrator
SEACONWPNSLANT	- Sea Control Weapons School, Atlantic
SELRES	- Selected Reserve
SF	- System Functions
SFWSLANT	- Strike Fighter Weapons School, Atlantic
SFWSPAC	- Strike Fighter Weapons School, Pacific
SLAM	- Stand-off Land Attack Missile
SLATS	- Strike Lead Air Training Syllabus
SMCR	- Selected Marine Corps Reserve
SMOS	- Secondary Military Occupational Specialty
SNEC	- Secondary Navy Enlisted Classification
SPAWAR	- Space and Naval Warfare System Center
SPETE	- Special Purpose Electronic Test Equipment
SPTE	- Special Purpose Test Equipment
SRU	- Shop Replaceable Unit
SSA	- Software Support Activity
SWATSCOLPAC	- Sea-Based Weapons and Advanced Tactics School, Pacific
SWATSLANT	- Strike Weapons and Tactics School, Atlantic
TAC	- Tactical Advanced Computer
TACAIR	- Tactical Aircraft
TACMAN	- Tactical Manual
TACTRAGRU	- Tactical Training Group
TAMMAC	- Tactical Aircraft Moving Map Capability
TAMPS	- Tactical Automated Mission Planning System
TBD	- To Be Determined
TEAMS	- Tactical EA-6B Mission Support
TID	- Tactical Information Device
TSA	- Training Support Agency
TSCM	- Tactical Strike Coordination Manager
TTC	- Tactical Tape Cartridge
TTE	- Technical Training Equipment

LIST OF ACRONYMS
(Continued)

UAV	- Unmanned Aerial Vehicles
ULSS	- User Logistic Support Summary
UPS	- Uninterruptable Power Supply
USMC	- United States Marine Corps
USMTF	- United States Message Text Format
USN	- United States Navy
WD	- Weapons Division
Y2K	- Year 2000

PART I - TECHNICAL PROGRAM DATA

Section **I.A.** TITLE - NOMENCLATURE - PROGRAM

1. Naval Mission Planning System (NavMPS), AN/UYQ-81(V)

2. Program Element Number: 0204571N

Section **I.B.** SECURITY CLASSIFICATION

1. Selected System Capabilities: SECRET

2. Hardware: UNCLASSIFIED

3. System Description: UNCLASSIFIED

4. Navy Training System Plan: UNCLASSIFIED

Section **I.C.** NTSP PRINCIPALS

OPNAV Principal Official (OPO) Program Sponsor:	CNO (N6/N62H)
OPO Resource Sponsor:	CNO (N6/N62H)
MPM Resource Sponsor:	CNO (N88/N880G9)
Marine Corps Program Sponsor:	CMC (APW)
Developing Activity (DA):	Program Executive Office for Tactical Aircraft Programs (PEO(T))/PMA233
Training Agency (TA):	CNET/CINCLANTFLT/ CINCPACFLT/MCCDC
Training Support Agency (TSA):	COMNAVAIRSYSCOM (PMA205)

Manpower and Personnel (M&P) Mission Sponsor:	CNO (N1, N7), COMNAVPERSCOM/CMC (ASM)
Director of Naval Training:	CNO (N7)
Commandant of the Marine Corps (CMC) Manpower Management:	CMC (MMOA-2, MMEA-84)

Section **I.D. SYSTEM DESCRIPTION**

1. **Operational Uses**. The Naval Mission Planning Systems (NavMPS) currently provide~~s~~ the Navy and Marine Corps with automated methods of mission planning and optimizing routes for strike warfare. NavMPS provides mission planners with a computer-based system capable of rapidly processing large quantities of digitized terrain, threat and environmental data, aircraft and weapon system parameters, avionics, precision guided munitions (PGMs), and imagery. NavMPS is a proven tactical mission planning system that has demonstrated the ability to effectively integrate intelligence data for Navy and Marine Corps fixed-wing and rotary-wing aircraft, stand-off weapons, avionics systems, mission support systems, and unmanned aerial vehicles. Strike planners meet mission objectives by using NavMPS' extensive databases to generate applicable mission planning products (e.g., strip charts, radar predictions, flight plans, and data transfer to Data Storage Units (DSUs), Memory Units (MUs), Mission Data Loaders (MDLs), Tactical Tape Cartridges (TTCs), and PCMCIA Cards). These NavMPS products greatly increase the probability of mission success while providing the capability to greatly decrease mission planning and weapon system preflight preparation time. One of the greatest benefits of these products is that they enhance the aviator's situational awareness when he is on the flight deck strapped into an aircraft preparing for a flight They give the aviator more time to concentrate on the immediate tasks at hand.

Section **I.E. DEVELOPMENTAL TEST (DT) AND OPERATIONAL TEST (OT)**. The NavMPS program is based upon an evolutionary acquisition strategy. This allows the NavMPS to be fielded while enhancements are developed in a series of software releases and hardware updates. NavMPS DTs and OTs are structured to ensure that new software and hardware updates incorporate requirements generated from fleet use of previous software releases and hardware configurations.

1. The Navy - Portable Flight Planning Software (N-PFPS) 3.0 completed testing during the first quarter of FY98.

2. The TAMPS 6.2 software began testing during the first quarter of FY99. An interim report on TAMPS 6.2 was released 16 December 1998, OPNAV released 6.2K in a stand alone mode on 21 December 1998.

3. The Navy - Portable Flight Planning Software (N-PFPS) 3.01 completed testing during the first quarter of FY00.

4. The Navy - Portable Flight Planning Software (N-PFPS) 3.1 completed testing during the second quarter of FY00.

5. The Navy - Portable Flight Planning Software (N-PFPS) 3.1.1 completed testing during the fourth quarter of FY00.

6. The TAMPS 6.2.1 software is planned to begin testing during the first quarter of FY01. It is planned to be released during the third quarter of FY01.

7. The Navy - Portable Flight Planning Software (N-PFPS) 3.2 is planned to complete testing during the second quarter of FY01.

8. The Joint Mission Planning System (JMPS) developmental software is planned to complete Version 1 testing during the third quarter of FY02.

Section **I.F. EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED**. The NavMPS strategic goals are to continually provide the fleet strike planners with a user-friendly, automated mission planning system that processes mission critical information quickly, accurately, and reliably.

1. For most activities receiving NavMPS systems for the first time, NavMPS will augment the manual method of presenting threat data to the mission planners and automate mission route planning and chart development.

2. For most activities currently utilizing a NavMPS system, the older version will be replaced by updated hardware and software. This transition provides the fleet a faster system with expanded memory, improved graphics, and media transfer and printing capabilities that are essential to ensuring operational readiness and usability.

3. Currently, the NavMPS hardware is migrating from UNIX based systems to a Personal Computer (PC) based system with the introduction of the autonomous N-PFPS to be followed by JMPS hosted on Navy standard PC computers. Software release TAMPS 6.2K is hosted on the SUN ULTRA 2 and the Aircraft Carrier Intelligence Center (CVIC) Enterprise 4000 and 2300.

4. TAMPS software release 6.2.1 will be hosted on the SUN ULTRA 2 (1200/1300).

Section **I.G. DESCRIPTION OF NEW DEVELOPMENT**

1. **Functional Description**. The different systems that constitute NavMPS have certain characteristics in common. They are all software intensive systems that help the planner analyze the mission environment (e.g., weather, terrain, threats), develop specific mission plans (e.g., route, fuel calculation, communications, weapons employment), and prepare all required mission and briefing products (e.g., briefing slides, knee board cards, charts, data transfer devise loads). NavMPS systems are designed to operate either as stand-alone assets or in a variety of networked configurations that provide server applications and/or access to external imagery and intelligence data sources. Specific hardware and Data Tranfer Devices (DTD) descriptions are provided elsewhere in this document.

a. **Software**. The software of all NavMPS systems can be divided into three distinct areas: Operating System, Core/Framework, and Mission Specific Applications. Operating system and Core/Framework are required for all mission planning. Mission specific applications will vary depending on the aircraft, weapon, or avionics system being planned for.

(1) **Operating System.** In all NavMPS systems the Operating System (OS) is a Commercial Off-The-Shelf (COTS) product, supported by commercial documentation and training materials. The OS for TAMPS is UNIX, the OS for N-PFPS is Microsoft Windows NT, and the OS for JMPS is Microsoft Windows 2000.

(2) **Core/Framework.** Core/Framework software is that component of each NavMPS system that has been developed to represent the “release” version of the system. In some cases the core/framework may be modularized, permitting adequate system operation with less than 100% of the code loaded (if certain applications are not required by the planner). Core/Framework software executes the common or “community” functions within the system. For example, manipulations of background map displays are handled by core/framework instead of having each specific mission platform develop its own way of performing those operations. Among the other functions handled by core/framework software are data loading to the system, search and retrieve from databases, basic route calculations (range, bearing, time), user account management, and controlling communication in networked configurations.

The current TAMPS core version is TAMPS 6.2.K, the current N-PFPS core version is N-PFPS 3.1.1, and the first JMPS framework version will be JMPS 1.0

(3) **Mission Specific Applications.** Mission specific applications are modules of software that permit the mission planner to prepare missions that are exactly tailored to an aircraft, weapon, or avionics system. In most cases, options allow the planner to specify

down to the weapon or aircraft operational flight program or hardware version. In addition to functional capabilities, the mission specific applications typically contain specific performance data for the aircraft, weapon, or avionics system that they support. Mission specific application modules have a different name depending on the NavMPS system they are associated with:

TAMPS mission specific applications are called Mission Planning Modules (MPMs) or Mission Planning Functions (MPFs). Currently TAMPS has MPMs/MPFs supporting the following aircraft, weapons, and avionics systems:

-HH-60H	-CH-53D	-KC-130F/R/T	-UH-1
-CH-53E	-P-3C	-C-2	-F/A-18
-AV-8B	-EA-6B	-S-3B	-E-2C
-CH-46E	-F-14A/B/D	-SH-60B/F	-HARM
-SLAM	-SLAM-ER	-JSOW	-JDAM
-ARC-210			

N-PFPS mission specific applications are called Flight Planning Modules (FPMs). Currently N-PFPS FPMs support the following aircraft:

-AH-1	-CH-46E	-SH-60F	-HH-60H
-S-3B	-P-3C	-C-2R	-F/A-18 E/F
–UH-1N	-T-45A/C	-E-2C	-F/A-18 A/B/C/D

N-PFPS also provides the planner with the ability to do “generic” mission planning with operator specified parameters. Other aircraft are being added periodically and current configuration management documents should be consulted for specific platform availability.

JMPS mission specific applications will be called Unique Planning Components (UPCs). UPCs will be added continuously throughout the life cycle of JMPS and current configuration management documents should be consulted for specific platform availability.

b. **TAMPS Hardware**. There are currently three hardware configurations TAMPS Desktop Portable, the CVIC system and the Mini Server system) hosting the TAMPS software. This is due to the evolutionary acquisition process that takes advantage of gains in software and hardware capabilities. Naval Air Systems Command (NAVAIRSYSCOM) (PMA-233) will coordinate the NavMPS hardware quantity and the delivery schedule with the appropriate NavMPS asset managers.

(1) **TAMPS Desktop Portable**. The TAMPS 6.2.1 software is hosted on the SUN ULTRA 2 (1200/1300) that is comprised of COTS, non-developmental hardware. The SUN ULTRA 2 (1200/1300) have the capability to operate as a stand-alone system or may be

connected to a LAN. The SUN ULTRA 2 is year 2000 (Y2K) compliant NavMPS hardware. The following is a list of the main hardware components of a fleet configured NavMPS SUN ULTRA 2.

SUN ULTRA 2 (1200/1300) HARDWARE COMPONENTS

1 Sun Ultra 2 1200/1300 w/ 300MHz Ultra SPARC CPU w/256 MB RAM
2 18 GB Hard Drives
1 ATM Network Card
1 1.44 MB 3 1/2" Disk Drive
1 CD-ROM Drive
1 8mm Exabyte Tape Drive
1 20" High Resolution Color Monitor
1 Keyboard
1 ITAC Trackball
1 Xerox Color Laser Printer
1 DSU Receptacle, and/or MDL, and/or TID (as required by site)
1 Uninterruptable Power Supply

(2) **CVIC System**. The TAMPS 6.2.1 software is hosted on the CVIC system that is composed of the SUN Enterprise 4000 (Model 4002), the SUN ULTRA 2 (2300), PC clients and server printers. These hardware components are comprised of COTS, non-developmental hardware and are Y2K compliant hardware. The following is a list of the main hardware components of a fleet configured CVIC system.

CVIC SYSTEM HARDWARE COMPONENTS

Primary Server System (SUN Enterprise 4000 (Model 4002))

1 Four 250MHz CPU w/1 GB RAM
1 126 GB Disk Array
1 Ethernet Controller
1 Fibre Channel Interface
2 ATM Network Cards
1 CD-ROM Drive
1 8mm 14 GB Exabyte Tape Drive
1 17" High Resolution Color Monitor with Creator 24 Bit Graphics
1 Keyboard
1 ITAC Trackball
1 Laser Printer
2 Uninterruptable Power Supplies

Permanent Client System (SUN ULTRA 2 (2300))

1 Two 300MHz CPU w/512 MB RAM
2 18 GB Hard Drives
1 Ethernet Controller
1 Fibre Channel Interface
2 ATM Network Cards
1 1.44 MB 3 1/2" Disk Drive
1 CD-ROM Drive
1 8mm Exabyte Tape Drive
1 20" High Resolution Color Monitor with Creator 24 Bit Graphics
1 Keyboard
1 ITAC Trackball
1 HP Laser Printer (Server Mode)/Xerox Color Laser Printer (Client Mode)
1 DSU Receptacle, and/or MDL, and/or TID (as required by site)
1 Uninterruptable Power Supply

PC Client System

1 Pentium PC
1 3.5 GB Hard Drive
1 Ethernet Adapter
1 PCMCIA
1 CD-ROM Drive
1 17" High Resolution Color Monitor
1 Keyboard
1 Mouse
1 Microphone
2 Speakers

Server Printers

1 High-Quality Color Laser Printer
1 Black and White Laser Printer

(3) **Mini-Server System.** The TAMPS 6.2.1 software is hosted on the Mini-Server System that is composed of the SUN Ultra 2 (2300) and is composed of COTS non-developmental hardware and is Y2K compliant hardware. The following is a list of the main hardware components that make up a Mini-Server configured system.

1 CCA, System Board, Ultra2
2 CCA, CPU ULTRA SPARC2, 300 MHz
8 CCA, Memory Module, 64 MB
1 CCA, Video Display Controller
1 CCA, Interface Adapter
1 Adapter, Host Fiber Channel
1 CCA, Fiber Channel
2 CCA, ATM Interface
1 Power Supply
1 Cable Assembly, Power, 18AWG
1 Disk Array Assembly
1 Fan Tray Assy
1 Backplane
1 CCA, Controller Assembly
1 Power Supply Assy
1 Power Supply 440W
2 Disk Tray Assy
4.2 GB Disk Drive
2 CCA, Fiber Channel
1 SCSI Enclosure (9 Bay)
1 Drive, PCMCIA
1 Drive, CD-ROM, 12X
1 Drive, Tape, 8mm

(c) N-PFPS Hardware

(1) Laptops

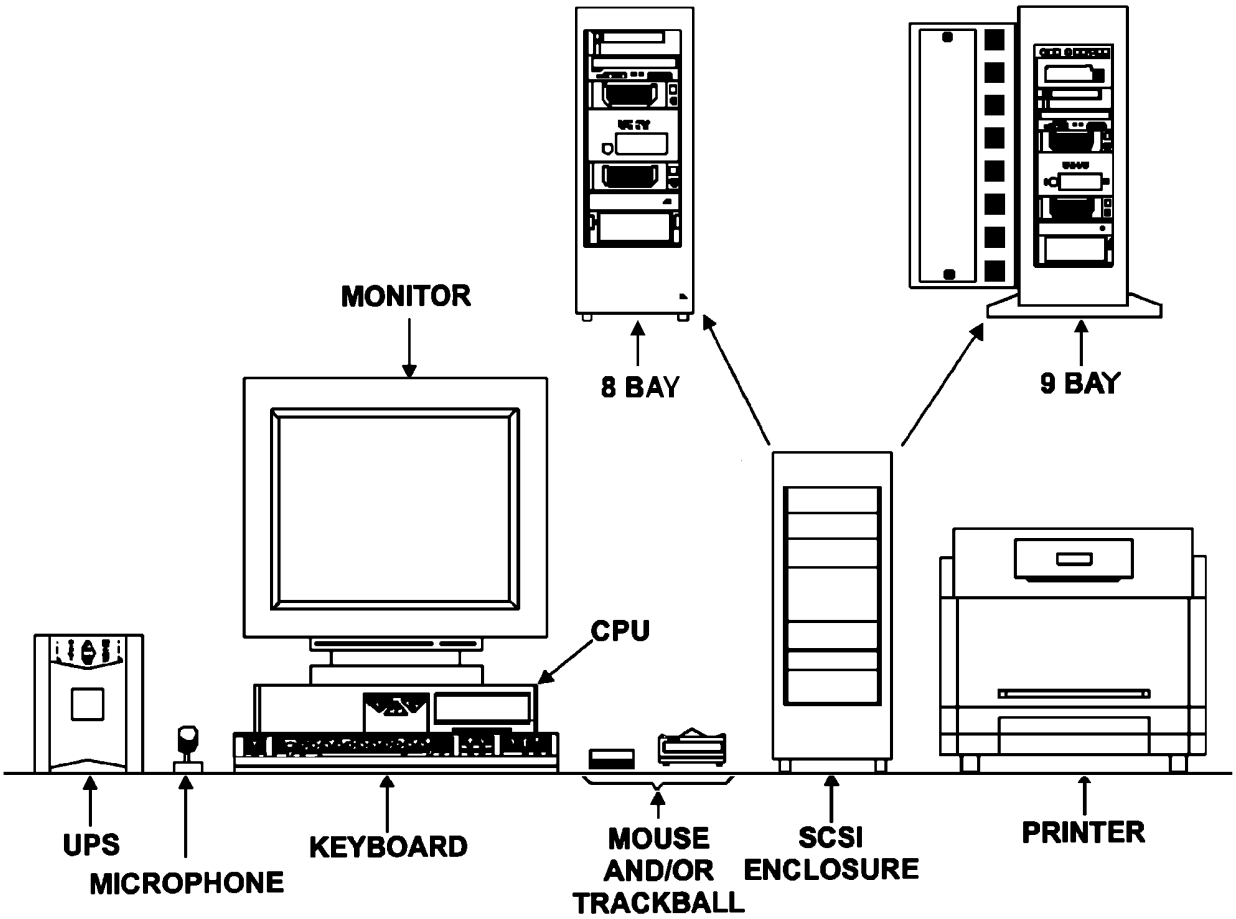
1 Pentium III PC
1 12 GB Hard Drive
1 3.5" Floppy Drive
1 CD-ROM/DVD Drive
1 PCMCIA Card
1 56K Modem
1 10/100 Ethernet Network Card
1 15" SXGA+ Monitor

(2) Desktops

1 Pentium III PC
1 30 GB Hard Drive
1 3.5" Floppy Drive
1 CD-ROM/DVD Drive
1 Zip Drive
1 10/100 Ethernet Network Card
1 19" Color Monitor

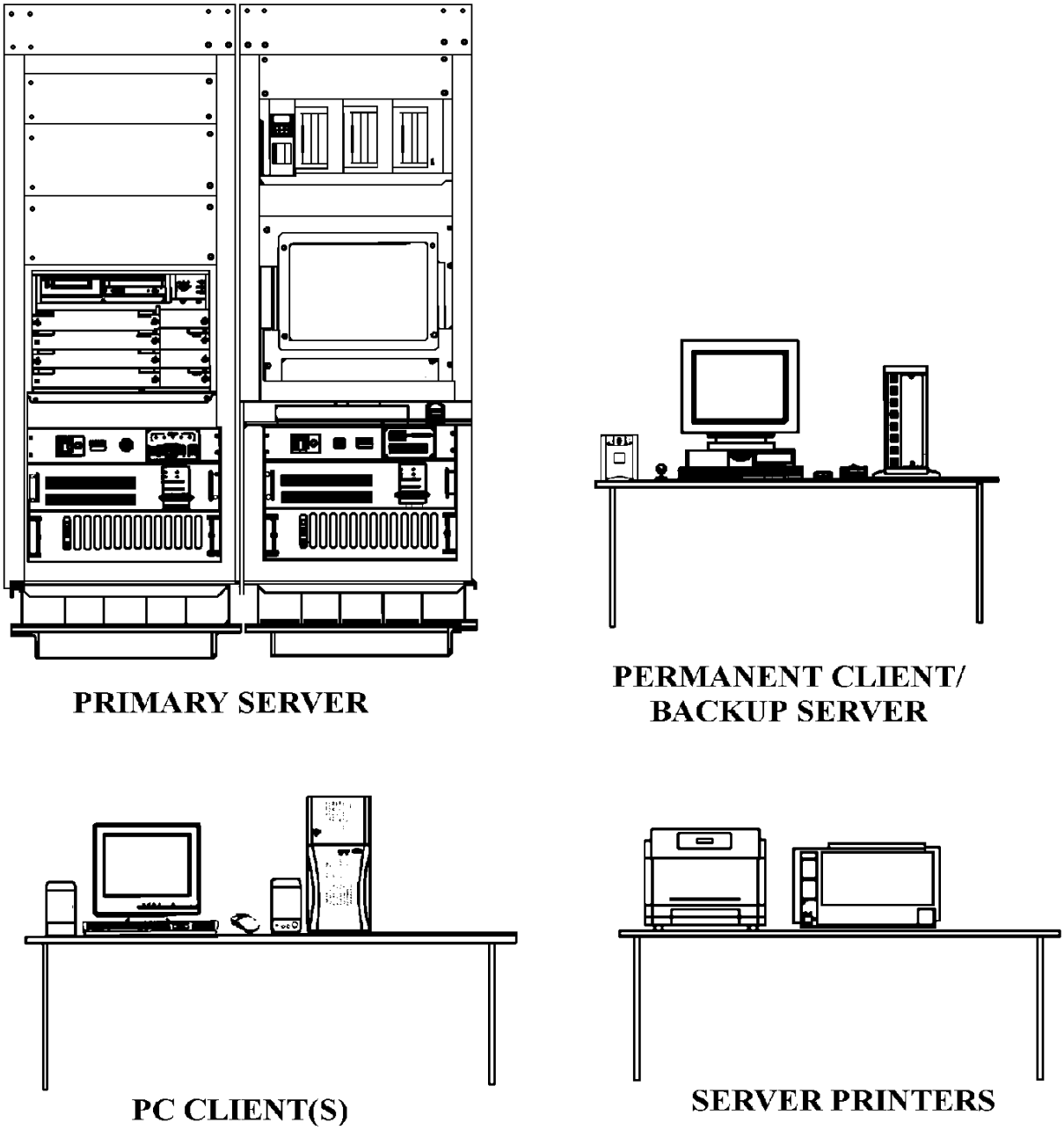
2. **Physical Description**. A fleet SUN ULTRA 2 (1200/1300) configuration will contain one work station and peripherals. A fleet CVIC system configuration manages the shipboard NavMPS LAN. If a NavMPS activity receives multiple systems, only one peripheral rack will be required. The peripheral rack will contain the DSU receptacles. Depending upon the recipient activity's location and deployability, the NavMPS systems may be in a desktop or rack mounted configuration.

a. Figure 1 is the NavMPS SUN ULTRA 2 (1200/1300) configuration.



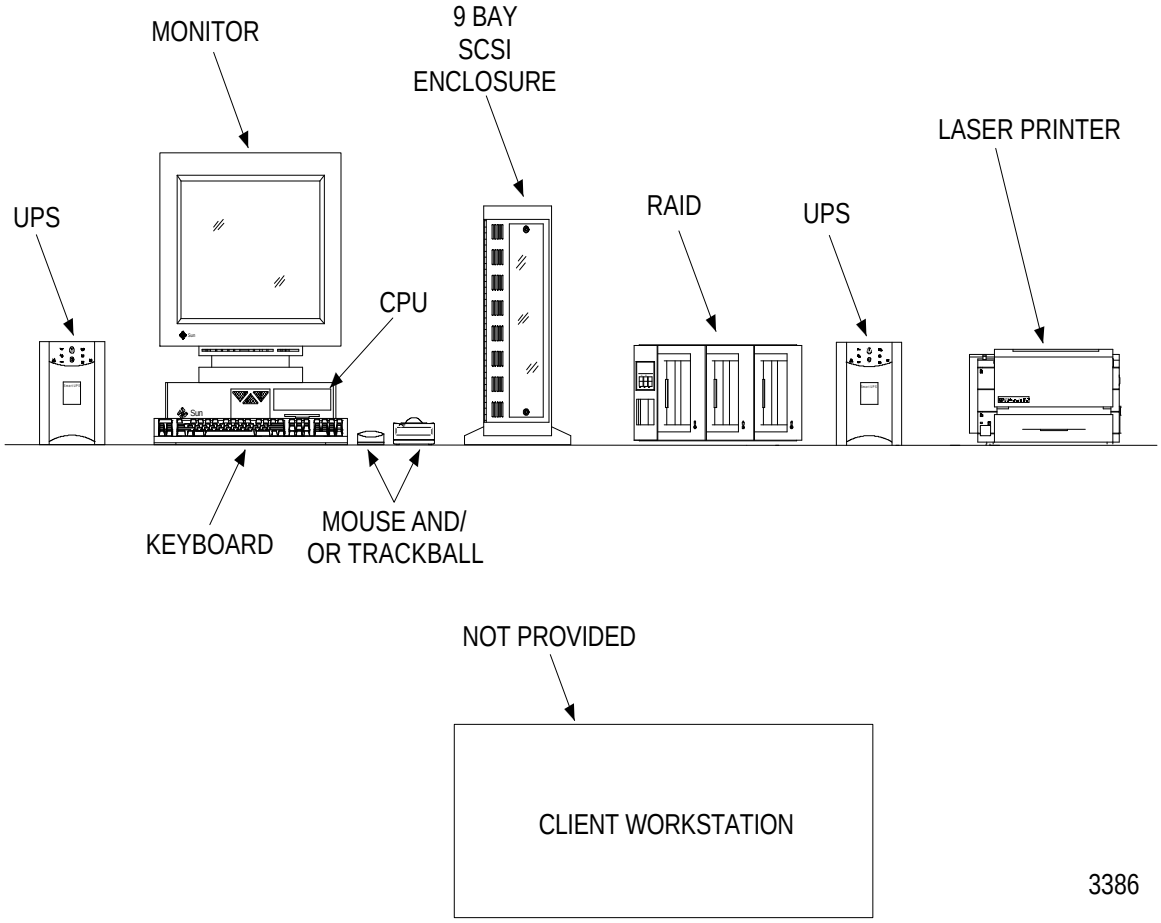
TAMPS SUN ULTRA 2 (1200/1300) CONFIGURATION
FIGURE 1

b. Figure 2 is a generic representation of the NavMPS CVIC system, comprised of the SUN Enterprise 4000 (Model 4002), the SUN ULTRA 2 (2300), PC clients, and printers.



TAMPS CVIC SYTEM OVERVIEW
(Generic Representation of the System)
FIGURE 2

c. Figure 3 is a representation of the TAMPS Mini-Server configuration.



MINI-SERVER SYSTEM CONFIGURATION
FIGURE 3

3. **New Development Introduction**. NavMPS hardware and software ~~is~~ are based upon evolutionary upgrades to the previous version. This allows the program to take advantage of hardware and software advancements as well as fleet inputs to further enhance the NavMPS's capability to assist the mission planner.

4. **Significant Interfaces**. In order for TAMPS to be able to provide reliable and useful data to the mission planner, the databases must be updated to keep abreast of constant global changes. This data is provided by existing resources and will not increase/decrease the interfacing systems manpower requirements. Below are the methods for maintaining the NavMPS databases.

a. **Threat Databases**. The initial source data is on magnetic tape, produced by Atlantic Intelligence Command. For software release 6.2K it is from the Defense Intelligence Agency (DIA) Modernized Intergrated Database (MIDB). The MIDB consists of friendly, neutral, and enemy order of battle.

(1) **Manual Updates**. The System Administrator (SA)/DBA may utilize available resources to maintain the database by updating the threat files with the latest intelligence data, reconnaissance information, or pilot reports.

(2) **Electronic Updates**. The SA/DBA may utilize the ETHERNET or Asynchronous Transfer Mode (ATM) interface from the Aircraft Carrier Intelligence Center (CVIC) to the Global Command and Control System - Maritime (GCCS-M) for retrieving updates to Order of Battle.

b. **System Database**. The NavMPS database will also consist of geo-political data. This data will be imported into the NavMPS from the National Imagery and Mapping Agency (NIMA) charts, Digital Terrain Elevation Data (DTED), Controlled Image Base (CIB) files and Digital Aeronautical Flight Information Files (DAFIF).

c. There are additional interfaces under development that could potentially be utilized in loading and updating NavMPS data files.

(1) **Tactical EA-6B Mission Support (TEAMS) System**. NavMPS possesses the capability to interface with TEAMS. TEAMS handles mission activities of the EA-6B aircraft and its intelligence information. This interface can save SA/DBAs time in interactive updates to the threat database. Data review and SA/DBA initiated actions are required to apply the TEAMS updates to the NavMPS program. Mission planners are able to transfer route data across this interface.

d. **Mission Rehearsal**. Mission Rehearsal is the practice of planned tasks and functions critical to mission success using a true-to-life, interactive representation of the expected operating environment. Upon the fleet release of TAMPS software release 6.2K, planner selected missions from NavMPS could be passed to TOPSCENE where mission rehearsal can occur using realistic scenes of imagery draped over DTED. Prior to execution, aircrews will receive detailed briefings based on the detailed products developed by NavMPS (software release 6.2K and subsequent) that include mission data loads, kneeboard cards, strip charts, etc.

5. **New Features, Configuration, or Material**

a. NavMPS does not drive technology breakthroughs, but utilizes state-of-the-art, commercially available hardware in conjunction with a mix of COTS, Government Off-The-Shelf (GOTS), and NavMPS specific software to perform mission planning.

b. The NavMPS program is built upon the philosophy of adding enhanced capabilities through new software releases. Below is a summary of system upgrades planned to be incorporated into future NavMPS software releases.

(1) **TAMPS Software Release 6.2.1**. Software release 6.2.1 will be a maintenance release for UNIX systems and will be introduced during the third quarter of FY01. It will incorporate improved force level planning tools connection, Joint Direct Attack Munition (JDAM), Tactical Aircraft Moving Map Capability (TAMMAC), and GPS terminal procedures.

(2) N-PFPS Software Release 3.2. Software release 3.2. This is PC compatible software that will be updated annually until JMPS software is available.

(3) **JMPS**. Fleet release of the JMPS software Version 1 is projected to be during the fourth quarter of FY02. This software release will incorporate N-PFPS with increased functionality and run in a Windows 2000 environment. JMPS version 2 will incorporate TAMPS 6.2.1 and previous versions functionality into JMPS.

Section **I.H. CONCEPTS**

1. **Operational Concept**. NavMPS, with properly maintained databases, will greatly enhance the mission planning process by providing the operator with threat projections, calculating aircraft and weapons data (although the pubs must still be used to verify the output data) and providing flight data, strip charts, and radar predictions upon mission route selection. NavMPS will also allow the mission planner to initiate route modifications to enhance the probability of mission success.

2. **Maintenance Concept**. The NavMPS maintenance concept has been designed to provide a high degree of operational readiness. Because of the variety of COTS hardware in NavMPS, a modified maintenance approach is used to provide optimum coverage during equipment changes. Two levels of maintenance associated with the NavMPS are organizational and interim depot level maintenance. Direction and guidance concerning the maintenance concept for the NavMPS hardware is provided in NavMPS User Logistic Support Summaries (ULSSs).

a. **Organizational Level**. Organizational level maintenance is performed at the operating unit. These maintenance actions encompass preventive and some corrective maintenance, depending on whether the equipment is deployed or not.

(1) **Preventive Maintenance**. Periodic inspections and/or servicing of equipment will be accomplished as defined in the NavMPS Maintenance Requirements Cards (MRCs).

(2) **Corrective Maintenance**. Corrective maintenace actions taken will vary depending on the deployment status of the operating unit. For deployed equipment, corrective maintenance consists of Lowest Replaceable Unit (LRU) and Shop Replaceable Unit (SRU) removal and replacement. For nondeployed equipment, corrective maintenance consists of LRU removal and replacement only.

b. **Interim Depot Level**. Repair and disposition of retrograde assemblies beyond the capability of the organizational level is accomplished by the designated depot activity. The Space and Naval Warfare Systems Center San Diego, C4I Programs Office, Philadelphia, PA, (SPAWAR C4I Programs Office, Philadelphia) is currently the designated depot site for all NavMPS hardware. Interim level depot maintenance consists of special shop equipment and trained personnel for testing, troubleshooting, inspecting, servicing, lubricating, adjusting, and replacing parts, major assemblies, and subassemblies to the original configuration.

c. **Technical Assistance**

(1) SPAWAR C4I Programs Office, Philadelphia is the focal point for product support. This will consist of field level training in conjunction with initial system installation and maintenance support.

(a) SPAWAR C4I Programs Office, Philadelphia, also provides ship riders aboard each deployed aircraft carrier to assist the ship and the Air Wing units in mission planning, SA/DBA, maintenance, and LAN functions.

(2) The Naval Air Warfare Center - Weapons Division (NAWC - WD), Pt. Mugu is the Software Support Activity (SSA), integrator, and configuration manager for TAMPS software. Naval Air Warfare Center - Aircraft Division (NAWC - AD), Patuxent River is responsible for software Independent Verification and Validation (IV&V).

3. **Manning Concept**

a. **NavMPS**. The NavMPS manning concept is driven by the total system requirements for effective utilization and confidence in NavMPS. Functional operating requirements will be accomplished through the utilization of existing manpower. These positions

include mission planners, SAs, DBAs, and maintenance personnel. Mission planners will be squadron level aircrew (i.e., pilots, Naval Flight Officers (NFOs), navigators).

4. **NavMPS Training Concept**. The NavMPS training concept is based on the precept that the users and maintainers have attained the necessary primary Navy Officer Billet Classification (NOBC), Navy Enlisted Classification (NEC), or Military Occupational Specialty (MOS) and prerequisite levels of experience in their specialty prior to receiving NavMPS training. The NavMPS training will build upon this knowledge base and provide the student with the necessary instruction to effectively operate the NavMPS hardware and software.

The automated mission planning training concept is for an integrated training continuum that lays the foundation for automated mission planning at the Naval Aviation Training Command (Level 1) and continues to build on that knowledge at the Fleet Replacement Squadrons (FRSs) (Level 2). Intermediate level training will be conducted at the appropriate intermediate weapon schools and specific fleet squadrons (Level 3), and advanced training will be conducted at the advanced weapon schools and specific fleet squadrons (Level 4).

The intent of the NavMPS training program is to provide applicable training at each major phase of the aviation training pipeline. This will include primary pilot training and basic NFO training, FRS, and weapon school training. The goal is to teach automated mission planning as a team of products or "system of applications" so they appear as a seamless family. This will provide each aviator with the knowledge of what tools are available to assist him in planning a single flight plan or a complete strike package.

Due to the evolutionary nature of the NavMPS program and the open architecture of the software, there is potential for new MPMs/MPFs to be added to the NavMPS. As new MPMs/MPFs are developed, the developing agency will ensure the appropriate training and training material are also generated. Additionally, the developing agency will ensure that this course data is coordinated with SPAWAR C4I Programs Office, Philadelphia for distribution, prior to fleet introduction, to the impacted FRSs, weapon schools, and Navy and Marine Corps Intelligence Training Center (NMITC)/Sea-Based Weapons and Advanced Tactics School, Pacific (SWATSCOLPAC) for incorporation into their NavMPS training unit of instruction modules. The SA/DBA package is distributed to NMITC and SWATSCOLPAC while the full mission planning package is distributed to the weapon schools, FRSs, Marine Aviation Weapons and Tactics Squadron One (MAWTS-1), Marine Aircraft Wings (MAWs), and Marine Aircraft Groups (MAGs). The individual communities will modify the mission planning course materials to fit their requirements and integrate the NavMPS training into their respective mission planning curricula. The F/A-18 community has a tailored training package that has been developed for their use of NavMPS.

NSAWC is the Model Manager for the NavMPS functionality. NMITC is the Model Manager for the SA/DBA course and the maintenance course.

a. **Initial Training**. For each new software release, SPAWAR C4I Programs Office, Philadelphia provides initial SA/DBA training to the instructors at NMITC and SWATSCOLPAC and initial mission planning training to the FRS and weapon schools instructors.

b. **Follow-on Training**. Follow-on training is formal training conducted at military schools to ensure qualified operators and proper life cycle support. This is accomplished through a training methodology that tailors the courseware to the targeted student population. The ultimate goal of the NavMPS training program is to have appropriate schoolhouses provide applicable training at each major phase of the aviation training pipeline. This will include primary pilot training and basic NFO training, FRS, and weapon school training.

(1) **NavMPS Mission Planner**. Pilots and NFOs will be provided the necessary skills and knowledge requirements for proper operation of the NavMPS. The aircrew training is building block in nature and based on minimum terminal objectives. This is accomplished by integrating the required NavMPS information into the specific aircraft mission planning training syllabus at each level of an aviator's training.

(a) The Naval Air Training Command will introduce the system of applications concept with a focus on basic mission planning capabilities using the N-PFPS.

(b) All FRSs will integrate the NavMPS training into the existing type aircraft mission planning syllabus by having training materials tailored to specific platforms, utilizing basic systems applications, and focusing on combat mission planning capabilities. Courses will be updated for NavMPS upon the FRSs receipt of the appropriate hardware and software. The major objectives are to use NavMPS for basic mission planning as follows:

- Create single aircraft mission to include the Target Attack event, if applicable.
- Display chart, imagery, and elevation data background.
- Display target area threats.
- Generate single aircraft kneeboard products.
- Generate applicable aircraft digital loads.

(c) The weapons schools will integrate NavMPS training into their existing weapon system/advanced readiness program syllabi with training materials tailored to specific platforms, providing full use of system applications capabilities, and focusing on integrated combat and strike/force level mission planning. The major objectives are to use NavMPS for mission planning as follows:

- Analyze strike mission susceptibility to target threats.
- Create strike mission package.
- Generate strike mission briefing products.
- Generate products provided by the applicable mission planning modules and digital loads.

(d) Advanced weapons schools (NSAWC and MAWTS-1) will provide strike planning focused on advanced, full spectrum, strike mission planning with NavMPS products. NSAWC evaluates NavMPS training effectiveness through practical application during air wing deployments to NAS Fallon. MAWTS-1 conducts two major strike planning exercises annually.

Aircrews will attend applicable courses as part of their normal pre-deployment workups. The participating weapons schools are as follows:

- Strike Fighter Weapons School, Atlantic (SFWSLANT), NAS Oceana, VA

- Strike Fighter Weapons School, Pacific (SFWSPAC), NAS Lemoore, CA

- Strike Weapons and Tactics School, Atlantic (SWATSLANT), NAS Oceana, VA

- Sea Control Weapons School, Atlantic (SEACONWPNSLANT), NAS Jacksonville, FL

- Electronic Combat Weapons School (ECWS), NAS Whidbey Island, WA

- Sea-based Weapons and Advanced Tactics School, Pacific (SWATSCOLPAC), NAS North Island, CA

- Naval Strike and Air Warfare Center (NSAWC), NAS Fallon, NV

- Mine Warfare Training Center (MINEWARTRACEN), Ingleside, TX

- Marine Aviation Weapons and Tactics Squadron One

(MAWTS-1), MCAS Yuma, AZ

(2) **System Administrator/Database Administrator**. The intent of the SA/DBA course is to provide Navy Intelligence Specialist (IS) 3923 and Marine Corps MOS 0231 personnel in-depth database and system management training to include descriptions of database files, a functional description of the database administration subprocess, and instruction in procedures for generation and update of operational and aircraft databases. The students will also be trained to oversee and coordinate the use of NavMPS equipment, loading of upgraded software, system backup procedures, and the ability to limit access through password and level of use assignment. The Marine Corps will use the Navy training at NMITC and SWATSCOLPAC. The following is the course information:

Course Title . . . . . TAMPS System Administrator
CIN J-150-2965
Course Length . . . . . .10 Days
Ready For Training (RFT) Date (6.2K) . . . . Available
Course Location . . . . . NMITC (Stand-alone Course)
SWATSCOLPAC (Stand-alone Course)

(3) **Maintenance Technician**. The NavMPS hardware maintenance course is embedded in the Intelligenance Center Maintenance Course for Electronics Technician (ET) training for NEC 1654 (course J-150-2019). This training is available only at NMITC and provides maintenance technicians with the skills and knowledge required to perform both preventive and corrective maintenance on the NavMPS hardware. In addition, the maintenance technician will receive limited instruction on the operation of the software to facilitate troubleshooting the NavMPS in accordance with the established Maintenance Plans. The maintenance course includes the CVIC system and the SUN ULTRA 2 (1200/1300).

(a) The Marine Corps is conducting maintenance training on the SUN ULTRA 2 (1200/1300) for MOS 6494. This was accomplished by integrating the appropriate NavMPS data in the Aviation Logistics Tactical Information Systems (ALTIS) specialist course (C-150-2010) conducted at the Navy Supply Corps School, Athens, GA.

(4) An abbreviated NavMPS mission planning demonstration is incorporated into the Naval Intelligence Officer Basic Course (NIOBC), Course Identification Number (CIN) J-3A-0010. This will provide the attending students with a basic knowledge of TAMPS capabilities and data interface requirements.

(5) A four-day introduction class is embedded in the Afloat Strike Planning Support Course (STRIKE), CIN J-150-0987. This block of instruction will provide attending students with basic skills and an introduction to basic mission planning.

c. **Cadre Training**. Cadre Training will be conducted by the SPAWAR C4I Programs Office, Philadelphia Fleet Introduction Team (FIT). This training can cover mission planning, SA/DBA, and maintenance training for personnel at activities receiving the NavMPS hardware and/or software. Any specialized NavMPS training in addition to the training mentioned above shall also be conducted by SPAWAR C4I Programs Office, Philadelphia Fleet Introduction Team (FIT). Formal (school house) NavMPS follow-on training, however, will be obtained by activities when notified of receiving their first NavMPS system and prior to NavMPS installation. The FIT will evaluate the NavMPS training requirements at the recipient activity and tailor the training program to meet the training requirements of that activity. Upon completion of the instruction, the FIT will again evaluate the students at the recipient activity to ensure that they possess the necessary skills and knowledge to effectively operate the NavMPS hardware and software.

d. **Student Profiles**. The installation of the NavMPS will not change the existing qualitative manpower requirements in the recipient fleet activities.

(1) **Watch Station Requirements**. The display and tracking of information in relation to aircraft mission planning is currently required at all targeted NavMPS sites. NavMPS provides, organizes, and displays information already available for use by aircrew personnel.

e. **Reserve Component**. The current delivery schedule includes reserve activities that will receive NavMPS work stations. All training required for effective system utilization is available for reserve personnel by attending the active duty curriculum.

Section **I.I. ON-BOARD (IN SERVICE) TRAINING**. There is currently no on-board training required.

Section **I.J. LOGISTICS SUPPORT**

1. **Manufacturer/Contract Number**. NAWC - WD Pt. Mugu is the prime 6.2K software integrator, and SUN is the prime Sun Enterprise 4000/SUN ULTRA 2 hardware contractor. The following are the current contract numbers:

a. SUN ULTRA 2 Hardware: N66032-94-D-0012

2. **Program Documentation**. An Acquisition Logistics Support Plan (ALSP), dated April 1999, has been generated to identify the logistic support elements and the manner in which support resources will be developed for the operation and maintenance of the NavMPS systems of application.

3. **Technical Data Plan**

a. **TAMPS**. Hardware manuals are products of commercially available documentation. Software manuals have been developed and tailored to the specific requirements of each functional position. TAMPS 6.X manuals will be available concurrent with each fleet release of the software. The user manuals are available on compact disk as an alternative to the hard copy format. Additionally, distribution of the TAMPS software user manuals are available on-line.

4. **Test Sets, Tools, and Test Equipment**. In-depth analysis of the NavMPS maintenance philosophy has resulted in the identification of test equipment requirements. The test equipment requirements identified are items carried on the individual material readiness list of the recipient activities. Therefore, the installation of NavMPS does not drive additional special tools or test equipment requirements.

5. **Repair Parts**. The supply support initiated for NavMPS will provide a centralized repository of NavMPS repair parts. SPAWAR C4I Programs Office, Philadelphia will provide all repair parts provisioning. Pack up kits are provided to CV/CVN and USMC forward deployed activities to ensure limited computer "down time". Shore based activities will coordinate repair parts requirements with SPAWAR C4I Programs Office, Philadelphia.

Section **I.K. SCHEDULES**

1. **Schedule of Events**. The NavMPS systems will be delivered to CV/CVNs, USN/USMC activities, and Naval Reserve squadrons.

a. **Delivery Schedule**. Asset managers at NAVAIRLANT, NAVAIRPAC, CMC (APW), etc. will control the distribution of hardware assets for fleet and schoolhouse units. PMA-233 is responsible for overall distribution including test, NMITC, NSAWC, and SWATSCOLPAC assets.

Note:

- No additional hardware will be procured for TAMPS (Last year was FY99).
- CVIC hardware is being procured to support the JMPS Combat version.
- Hardware is refreshed on a three-year basis (five years for servers).

The following is the proposed hardware procurement plan: (Delivery of hardware may not be completed in the fiscal year that the hardware is procured.)

CVIC (JMPS) PROCUREMENT PLAN

		FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06
USN									
	CV/CVN	0	0	0	4	8	0	0	0

COMBAT PLANNING (TAMPS/JMPS) PROCUREMENT PLAN

		FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06
USN									
	VFA	15	0	0	24	0	0	24	0
	VF	5	0	0	12	0	0	12	0
	VAW	2	0	0	10	0	0	10	0
	VP	0	0	0	0	0	0	0	0
	VS	0	0	0	0	0	0	0	0
	LHD/LHA	0	0	0	0	12	0	0	12
	LPD	0	0	0	0	11	0	0	11
	LSD	0	0	0	0	16	0	0	16
USMC									
	VMFA	10	0	0	8	0	0	8	0
	VMFA(AW)	12	0	0	6	0	0	6	0
RESERVES									
USN									
	VFA	0	0	0	3	0	0	3	0
USMC									
	VMFA	0	0	0	4	0	0	4	0

Note: The above NavMPS hardware requirements are displayed for informational purposes only. Actual procurements may very depending on budget constraints. Initial delivery of assets is coordinated by SPAWAR SSC C4I Programs Office, Philadelphia following approval from the asset managers (NAVAIRLANT, NAVAIRPAC, CMC(APW), etc.). Refer to the asset managers for any questions regarding distribution of NavMPS hardware.

FLIGHT PLANNING (N-PFPS/JMPS) PROCUREMENT PLAN

		FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06
USN									
	VFA	48	48	24	0	48	24	0	48
	VF	24	20	12	12	24	0	12	24
	VP	36	12	0	24	12	0	24	12
	VPU	4	2	0	2	2	0	2	2
	VAQ	28	14	0	15	15	0	15	15
	VAW	10	10	10	0	0	10	0	0
	VQ	12	4	0	8	4	0	8	4
	VS	20	10	0	10	10	0	10	10
	VRC	4	5	0	0	4	0	0	4
	VC	0	0	0	2	0	0	2	0
	HS	20	10	0	10	10	0	10	10
	HC	5	5	5	5	5	5	5	5
	HSL	60	20	20	20	20	20	20	20
	HM	2	2	0	0	2	0	0	2
	UH-1N DETs	0	0	9	0	0	9	0	0
	NAS	4	0	31	4	0	31	4	0
USMC									
	VMFA	24	16	8	0	16	8	0	16
	VMFA(AW)	18	12	6	0	12	6	0	12
	VMAQ	8	4	0	8	4	0	8	4
	VMGR	18	6	0	12	6	0	12	6
	VMA	28	14	7	21	14	7	21	14
	HMX-1	3	2	0	1	2	0	1	2
	HMH	30	9	0	18	9	0	18	9
	HMM/VMM	45	14	14	17	14	14	17	14
	HMLA	36	6	6	24	6	6	24	6
	MCAS	2	0	8	2	0	8	2	0

Note: The above NavMPS hardware requirements are displayed for informational purposes only. Actual procurements may very depending based on budget constraints. Initial delivery of assets is coordinated by SPAWAR SSC C4I Programs Office, Philadelphia following approval from the asset managers (NAVAIRLANT, NAVAIRPAC, CMC(APW), etc.). Refer to the asset managers for any questions regarding distribution of NavMPS hardware.

FLIGHT PLANNING (N-PFPS/JMPS) PROCUREMENT PLAN

		FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06
RESERVES									
USN									
	VFA	6	3	0	6	3	0	6	3
	VAQ	2	1	0	1	1	0	1	1
	VP	21	7	0	14	7	0	14	7
	VAW	2	2	2	0	0	2	0	0
	VR	16	4	4	8	4	4	8	4
	HCS	4	0	0	4	0	0	4	0
	HM	2	0	0	2	0	0	2	0
	HS	2	1	0	1	1	0	1	1
USMC									
	VMFA	8	4	4	4	4	4	4	4
	VMGR	8	4	4	0	4	4	0	4
	HMH	6	2	0	4	2	0	4	2
	HMM	6	2	0	4	2	0	2	2
	HMLA	8	4	2	2	4	2	2	4

Note: The above NavMPS hardware requirements are displayed for informational purposes only. Actual procurements may very depending based on budget constraints. Initial delivery of assets is coordinated by SPAWAR SSC C4I Programs Office, Philadelphia following approval from the asset managers (NAVAIRLANT, NAVAIRPAC, CMC(APW), etc.). Refer to the asset managers for any questions regarding distribution of NavMPS hardware.

b. **Time Required to Install at NavMPS Operational Sites**

The NavMPS hardware will require approximately one week for equipment installation, software loading, and system testing. Training, at the recipient's site by SPAWAR C4I Programs Office-Philadelphia, will not take place until the hardware and software have been installed and tested and prerequisite training requirements have been met. JMPS Combat level hardware will be less timely to install. Estimates will be available in FY02.

c. **Technical Training Equipment (TTE) Delivery Schedule**.

TTE will be utilized at fleet training sites in order to fulfill follow-on training requirements. NMITC and SWATSCOLPAC TTE requirements are based upon one NavMPS workstation per student. The following is the TTE delivery schedule:

CVIC (JMPS) TTE PROCUREMENT PLAN

	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06
USN								
NSAWC	0	0	0	1	0	0	0	0
NMITC	0	0	0	1	0	0	0	0
SWATSCOLPAC	0	0	0	1	0	0	0	0

COMBAT PLANNING (TAMPS/JMPS) TTE PROCUREMENT PLAN

		FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06
USN									
	NSAWC	2	0	0	5	0	0	5	0
	NMITC	3	0	0	6	0	0	6	0
	SWATSCOLPAC	2	0	0	6	0	0	6	0
	SWATLANT	0	0	0	1	0	0	1	0
	SFWSLANT	1	0	0	2	0	0	2	0
	SFWSPAC	3	0	0	2	0	0	2	0
	AEW WTU	0	0	0	1	0	0	1	0
	MINEWARTRACEN	0	0	0	1	0	0	1	0
	VFA-106	2	0	0	1	0	0	1	0
	VFA-125	2	0	0	1	0	0	1	0
	VFA-122	0	0	0	1	0	0	1	0
	VF-101	1	0	0	1	0	0	1	0
	VAW-120	0	0	0	1	0	0	1	0
USMC									
	MAWTS-1	0	0	0	1	0	0	1	0
	VMFAT-101	2	0	0	1	0	0	1	0
	NSCS	1	0	0	5	0	0	5	0

FLIGHT PLANNING (N-PFPS/JMPS) TTE PROCUREMENT PLAN

		FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06
USN									
	NSAWC	4	0	0	4	0	0	4	0
	SWATSCOLPAC	4	0	0	4	0	0	4	0
	SWATLANT	2	5	0	2	4	0	2	4
	SFWSLANT	2	5	0	2	4	0	2	4
	SFWSPAC	6	1	0	6	0	0	6	0
	ECWS	3	0	0	3	0	0	3	0
	AEW WTU	3	0	0	3	0	0	3	0
	HS WTU PAC	3	1	0	2	1	0	2	1
	HS WTU LANT	3	1	0	2	1	0	2	1
	SEACONWPNSLANT	4	0	0	3	0	0	3	0
	VFA-106	10	4	0	6	4	0	6	4
	VFA-125	10	0	0	10	0	0	10	0
	VFA-122	12	2	0	8	2	0	8	2
	VF-101	6	4	0	6	4	0	6	4
	VP-30	4	2	0	2	2	0	2	2
	VAQ-129	2	1	0	1	1	0	1	1
	VAW-120	2	0	0	2	0	0	2	0
	VS-41	4	2	0	2	2	0	2	2
	VT/HT	23	0	6	30	0	6	30	0
	HS-10	6	0	0	6	0	0	6	0
	HC-2	1	0	0	1	0	0	1	0
	HC-3	1	0	0	1	0	0	1	0
	HSL-40	6	0	2	4	0	2	4	0
	HSL-41	6	0	2	4	0	2	4	0
USMC									
	MAWTS-1	8	1	0	8	0	0	8	0
	VMFAT-101	10	2	0	8	2	0	8	2
	VMGRT-253	4	0	2	2	0	2	2	0
	VMAT-203	5	0	1	4	0	1	4	0
	VMMT-204	3	0	0	3	0	0	3	0
	HMT-301	3	0	0	3	0	0	3	0
	HMT-302	3	0	0	3	0	0	3	0
	HMT-303	3	0	0	3	0	0	3	0

Section **I.L. GOVERNMENT FURNISHED EQUIPMENT (GFE) AND CONTRACTOR FURNISHED EQUIPMENT (CFE) TRAINING REQUIREMENTS**. There are currently no GFE or CFE training requirements beyond the current NavMPS training program.

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

NTSP/DOCUMENT TITLE	DOCUMENT/ NTSP NUMBER	DA CODE	STATUS
AH-1W Aircraft	A-50-8520D	PMA276	Approved February 96
C-2A (Reserve)	A-50-8308B	PMA221	Approved October 96
C-9B/DC-9 Logistics Aircraft (Reserves)	R-50-9402	COMNAVRESFOR	Approved December 94
CH-53E Helicopter	A-50-7604F	PMA261	Draft
E-2C Aircraft	A-50-8716D	PMA231	Approved December 97
E-2C Aircraft Transition to Reserves	A-50-8715B	PMA231	Approved March 93
E-6A TACAMO Aircraft	A-50-8516D	PMA271	Approved July 99
EA-6B ICAP II Aircraft, Block 89	A-50-7904C	PMA234	Draft
EP-3E ARIES II Aircraft	A-50-8605D	PMA290	Draft
ES-3A Aircraft	A-50-8818B	PMA244	Approved March 93
F-14A/B/D Aircraft	A-50-8511B	PMA241	Approved March 00

NTSP/DOCUMENT TITLE	DOCUMENT/ NTSP NUMBER	DA CODE	STATUS
F-18 Aircraft Weapon System	A-50-7703G	PMA265	Approved November 97
H-46 Communication Navigation Control System	A-50-9409	PMA226	Draft
HH/UH-1N Aircraft	A-50-9404	PMA(F)225	Approved October 94
KC-130T Aircraft	A-50-8423	PMA200	Approved June 85
MH-53E Helicopter	A-50-8417C	PMA261	Draft
Navy Undergraduate Jet Flight Training System, T45TS	A-50-8703B	PMA273	Approved February 95
P-3C Update II.5/III and ASUW Improvement Program	A-50-8112B	PMA290	Approved June 98
S-3B Aircraft	A-50-8310D	PMA244	Draft
SH-60B LAMPS MK-III Part B, Aircraft Subsystems	A-50-7702D	PMA299	Proposed
SH-60F Carrier Inner Zone Helicopter	A-50-8508D	PMA299	Approved August 00
SH-60R Multi Purpose Helicopter	A-50-9403	PMA299	Proposed
V-22A Aircraft	A-50-8412D	PMA275	Approved August 99

NTSP/DOCUMENT TITLE	DOCUMENT/ NTSP NUMBER	DA CODE	STATUS
Afloat Planning System (APS)	A-00-9001	PMA281	Approved December 90
AGM-84E SLAM	A-50-8813B	PMA258	Approved May 96
AGM-84H SLAM Expanded Response	A-50-9502	PMA258	Approved May 96
AGM-88A HARM Missile	A-50-8101B	PMA242	Approved September 00
AN/ARC-210(V) Electronic Protection Radio	A-50-9012B	PMA209	Proposed
Joint Direct Attack Munitions (JDAM)	A-50-9104	PMA201	Draft
Joint Stand Off Weapon (JSOW)	A-50-8906A	PMA201	Approved March 00
Joint Tactical Information Distribution System (JTIDS)	E-70-8901B	PMW159	Approved July 94
JMCIS	E-70-9401A	PMW172	Approved January 96
NAVSTAR Global Positioning System (GPS)	E-70-8215F	PMW177	Approved July 95

PART II - BILLET AND PERSONNEL REQUIREMENTS

Section II.A. **BILLET REQUIREMENTS**

Element II.A.1.a. **Operational and Fleet Support Activity Activation Schedule**

DATE: January 2001

ACTIVITY/UIC	PFYs	CFY	FY02	FY03	FY04	FY05
USN						
ACDU						
Fleet Operational Units	86	0	0	39	0	0
SELRES						
Fleet Operational Units	1	0	0	0	0	0
USMC						
ACDU						
Fleet Operational Units	27	0	0	0	0	0

Note: The above delivery schedule denotes only initial TAMPS deliveries to an activity and are displayed only to identify the training requirements generated by the introduction of TAMPS.

Element II.A.1.b. **Billets Required for Operational and Fleet Support Activities**

ACTIVITY/UIC	BILLETS OFF	BILLETS ENL	DSGNTR RATING	PNEC/SNEC PMOS/SMOS
USN				
Fleet NavMPS Activity	1	0	163X/1311/1321	9680
	0	1	IS	3923
USMC				
Fleet NavMPS Activity	1	0	USMC	0202 75XX
	0	1	USMC	0231

Note: The introduction of the NavMPS system does not change the existing manpower at the recipient activities. The above functions are displayed only to identify the training requirements generated by the introduction of NavMPS.

Element II.A.1.c. **Total Billets Required for Operational and Fleet Support Activities**

DSGNR RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY01 OFF	CFY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL
OPERATIONAL ACTIVITIES - ACDU													
OTHER													
163X/ 1311/ 1321	9680	86	0	0	0	0	0	39	0	0	0	0	0
IS	3923	0	86	0	0	0	0	0	39	0	0	0	0
OPERATIONAL ACTIVITIES - SELRES													
OTHER													
163X/ 1311/ 1321	9680	1	0	0	0	0	0	0	0	0	0	0	0
IS	3923	0	1	0	0	0	0	0	0	0	0	0	0
OPERATIONAL ACTIVITIES - AD													
OTHER													
USMC	0202/ 75XX	27	0	0	0	0	0	0	0	0	0	0	0
USMC	0231	0	27	0	0	0	0	0	0	0	0	0	0

Element II.A.1.c. **Total Billets Required for Operational and Fleet Support Activities** (Cont'd)

DSGNR RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY01 OFF	CFY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL
SUMMARY TOTALS													
OPERATIONAL													
ACDU		86	86	0	0	0	0	39	39	0	0	0	0
SELRES		1	1	0	0	0	0	0	0	0	0	0	0
AD		27	27	0	0	0	0	0	0	0	0	0	0
GRAND TOTALS													
ACDU		86	86	0	0	0	0	39	39	0	0	0	0
SELRES		1	1	0	0	0	0	0	0	0	0	0	0
AD		27	27	0	0	0	0	0	0	0	0	0	0

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

DATE: January 2001

ACTIVITY/UIC	PFYs	CFY	FY02	FY03	FY04	FY05

The NavMPS system does not change the existing manpower at the recipient activities, therefore, no manpower will be phased out.

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

ACTIVITY/UIC	BILLETS OFF	BILLETS ENL	DSGNTR RATING	PNEC/SNEC PMOS/SMOS

The NavMPS system does not change the existing manpower at the recipient activities, therefore, no manpower will be phased out.

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

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

The NavMPS system does not change the existing manpower at the recipient activities, therefore, no manpower will be phased out.

Element II.A.3. **Training Activities Instructor and Support Billet Requirements**

INSTRUCTOR BILLETS

TRAINING ACTIVITY, LOCATION, UIC

NMITC
Dam Neck, VA
0387A

DSGNR RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY01 OFF	CFY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL
ACDU													
IS	3923	0	1	0	0	0	0	0	0	0	0	0	0

TRAINING ACTIVITY, LOCATION, UIC

SWATSCOLPAC
NAS North Island, CA
47721

DSGNR RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY01 OFF	CFY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL
ACDU													
IS	3923	0	1	0	0	0	0	0	0	0	0	0	0

Element II.A.4. **Chargeable Student Billet Requirements**

ACTIVITY, LOCATION, UIC	USN/ USMC	CFY01 OFF	CFY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL
NMITC	USN	1	1	2	2	1	1	2	2	1	1
Dam Neck, VA	USMC	1	1	1	1	1	1	1	1	1	1
0387A											
SWATSCOLPAC	USN	1	1	2	2	1	1	2	2	1	1
NAS North Island, CA	USMC	1	1	1	1	1	1	1	1	1	1
47721											
SUMMARY TOTALS:											
	USN	2	2	4	4	2	2	4	4	2	2
	USMC	2	2	2	2	2	2	2	2	2	2
GRAND TOTAL:											
		4	4	6	6	4	4	6	6	4	4

Element II.A.5. **Annual Incremental and Cumulative Billets**

a. **OFFICER - USN**

DESIGNATOR	BILLET BASE	CFY01 +/-	CFY01 CUM	FY02 +/-	FY02 CUM	FY03 +/-	FY03 CUM	FY04 +/-	FY04 CUM	FY05 +/-	FY05 CUM
Chargeable Student Billets ACDU											
163X/1311/1321	2	0	2	2	4	-2	2	2	4	-2	2

b. **ENLISTED - USN**

RTNG	PNEC/SNEC	BILLET BASE	CFY99 +/-	CFY99 CUM	FY00 +/-	FY00 CUM	FY01 +/-	FY01 CUM	FY02 +/-	FY02 CUM	FY03 +/-	FY03 CUM
Instructor and Support (Staff) Billets ACDU												
IS	3923	2	0	2	0	2	0	2	0	2	0	2
Chargeable Student Billets ACDU												
IS	3923	2	0	2	2	4	-2	2	2	4	-2	2

Element II.A.5. **Annual Incremental and Cumulative Billets** (Cont'd)

c. **OFFICER - USMC**

DESIGNATOR	BILLET BASE	CFY99 +/-	CFY99 CUM	FY00 +/-	FY00 CUM	FY01 +/-	FY01 CUM	FY02 +/-	FY02 CUM	FY03 +/-	FY03 CUM
Chargeable Student Billets AD											
0202/75XX	2		0/2		0/2		0/2		0/2		0/2

d. **ENLISTED - USMC**

RTNG	PNEC/SNEC	BILLET BASE	CFY99 +/-	CFY99 CUM	FY00 +/-	FY00 CUM	FY01 +/-	FY01 CUM	FY02 +/-	FY02 CUM	FY03 +/-	FY03 CUM
Chargeable Student Billets AD												
USMC	0231	2		0/2		0/2		0/2		0/2		0/2

Section PART II.B. **PERSONNEL REQUIREMENTS**

Element II.B.1. **Annual Training Input Requirements**

CIN: J-150-2965 COURSE TITLE: TAMPS System Administrator
COURSE LENGTH: 2 Weeks SEA TOUR LENGTH: 3 Years
ATTRITION FACTOR: 0% BACKOUT FACTOR: 0.0

TRAINING ACTIVITY	SOURCE	ACDU/ TAR/ SELRES	CFY01 OFF	CFY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL
NMITC Dam Neck, VA	USN	ACDU	30	30	35	35	63	63	30	30	35	35
0387A	USMC	AD	10	10	10	10	14	14	10	10	10	10
TOTALS:			40	40	45	45	77	77	40	40	45	45
ACTIVITY TOTAL:			40	40	45	45	77	77	40	40	45	45
SWATSCOLPAC NAS North Island, CA 47721	USN	ACDU	30	30	35	35	62	62	30	30	35	35
		SELRES	1	1	0	0	0	0	1	1	0	0
	USMC	AD	10	10	10	10	13	13	10	10	10	10
TOTALS:			41	41	45	45	75	75	41	41	45	45
ACTIVITY TOTAL:			41	41	45	45	75	75	41	41	45	45

PART III - TRAINING REQUIREMENTS

Section III.A. **TRAINING COURSE REQUIREMENTS**

Element III.A.1. **Initial Training Requirements**

COURSE TITLE: Mission Planning Systems Application for TAMPS 6.2.1
COURSE DEVELOPER: C4I Program Office Philadelphia
INSTRUCTOR: Kevin O'Malley
COURSE LENGTH: 2 days

LOCATION, UIC	DATE BEGIN	STUDENTS OFF	ENL	CIV	ACTIVITY DESTINATION
NMITC 0387A	Jun 01	8			Dam Neck, VA
SWATSCOLPAC 47721	Jun 01		8		NAS North Is, CA

COURSE TITLE: System Administrator/Database Administrator Systems Application for TAMPS 6.2.1
COURSE DEVELOPER: C4I Program Office Philadelphia
INSTRUCTOR: Tim Boyce
COURSE LENGTH: 3 days

LOCATION, UIC	DATE BEGIN	STUDENTS OFF	ENL	CIV	ACTIVITY DESTINATION
NMITC 0387A	Jun 01	8			Dam Neck, VA
SWATSCOLPAC 47721	Jun 01		8		NAS North Is, CA

Element III.A.2. **Follow-On Training**

Element III.A.2.a. **Existing Courses**

TRAINING ACTIVITY: NMITC
LOCATION, UIC: Dam Neck, VA 0387A

CIN, COURSE TITLE: J-150-2965
TAMPS System Administrator

SOURCE: USN STUDENT CATEGORY: ACDU

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
30	30	35	35	63	63	30	30	35	35	ATIR
30	30	35	35	63	63	30	30	35	35	Output
1.0	1.0	1.2	1.2	2.1	2.1	1.0	1.0	1.2	1.2	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

SOURCE: USMC STUDENT CATEGORY: AD

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
5	5	25	25	12	12	15	15	12	12	ATIR
5	5	25	25	12	12	15	15	12	12	Output
0.2	0.2	0.8	0.8	0.4	0.4	0.5	0.5	0.4	0.4	AOB
0.2	0.2	0.8	0.8	0.4	0.4	0.5	0.5	0.4	0.4	Chargeable

Element III.A.2.a. **Existing Courses** (Cont'd)

TRAINING ACTIVITY: SWATSCOLPAC
LOCATION, UIC: NAS North Island, CA 47721

CIN, COURSE TITLE:
TAMPS System Administrator

SOURCE: USN STUDENT CATEGORY: ACDU

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
30	30	35	35	62	62	30	30	35	35	ATIR
30	30	35	35	62	62	30	30	35	35	Output
1.0	1.0	1.2	1.2	2.0	2.0	1.0	105	1.2	1.2	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

SOURCE: USN STUDENT CATEGORY: SELRES

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

SOURCE: USMC STUDENT CATEGORY: AD

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
10	10	10	10	13	13	10	10	10	10	ATIR
10	10	10	10	13	13	10	10	10	10	Output
0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

Section IV.A. **TRAINING HARDWARE**

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

TRAINING ACTIVITY: NSAWC
LOCATION, UIC: NAS Fallon, NV

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
001	CVIC Hardware/Software		1	FY98	GFE	RFT
002	CVIC Hardware/Software		1	FY02	GFE	
003	Ultra 2 Hardware/ Software		1	FY98	GFE	RFT
004	Ultra 2 Hardware/ Software		4	FY99	GFE	RFT
005	Combat Planning Hardware/ Software		5	FY02	GFE	
006	Combat Planning Hardware/ Software		5	FY05	GFE	
007	N-PFPS Hardware/ Software		4	FY99	GFE	RFT
008	Flight Planning Hardware/ Software		4	FY02	GFE	
009	Flight Planning Hardware/ Software		4	FY05	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: SWATSLANT
LOCATION, UIC: NAS Oceana, VA 47157

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
010	Ultra 2 Hardware/ Software		3	FY98	GFE	RFT
011	Combat Planning Hardware/ Software		1	FY02	GFE	
012	Combat Planning Hardware/ Software		1	FY05	GFE	
013	N-PFPS Hardware/ Software		2	FY99	GFE	RFT
014	Flight Planning Hardware/ Software		2	FY02	GFE	
015	Flight Planning Hardware/ Software		4	FY03	GFE	
016	Flight Planning Hardware/ Software		2	FY05	GFE	
017	Flight Planning Hardware/ Software		4	FY06	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: SFWSPAC
LOCATION, UIC: NAS Lemoore, CA 35185

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
018	Ultra 2 Hardware/ Software		3	FY99	GFE	RFT
019	Combat Planning Hardware/ Software		2	FY02	GFE	
020	Combat Planning Hardware/ Software		2	FY05	GFE	
021	N-PFPS Hardware/ Software		6	FY99	GFE	RFT
022	N-PFPS Hardware/ Software		1	FY00	GFE	RFT
023	Flight Planning Hardware/ Software		6	FY02	GFE	
024	Flight Planning Hardware/ Software		6	FY05	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: SFWSLANT
LOCATION, UIC: NAS Oceana, VA 47084

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
025	ULTRA 2 Hardware/ Software		1	FY99	GFE	RFT
026	Combat Planning Hardware/ Software		2	FY02	GFE	
027	Combat Planning Hardware/ Software		2	FY05	GFE	
028	N-PFPS Hardware/ Software		2	FY99	GFE	RFT
029	N-PFPS Hardware/ Software		5	FY00	GFE	RFT
030	Flight Planning Hardware/ Software		2	FY02	GFE	
031	Flight Planning Hardware/ Software		4	FY03	GFE	
032	Flight Planning Hardware/ Software		2	FY05	GFE	
033	Flight Planning Hardware/ Software		4	FY06	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: ECWS
LOCATION, UIC: NAS Whidbey Island, WA 47445

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
034	N-PFPS Hardware/ Software		3	FY99	GFE	RFT
035	Flight Planning Hardware/ Software		3	FY02	GFE	
036	Flight Planning Hardware/ Software		3	FY05	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: AEW WTU
LOCATION, UIC: NAWC Pt Mugu, CA

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
037	Combat Planning Hardware/ Software		1	FY02	GFE	
038	Combat Planning Hardware/ Software		1	FY05	GFE	
039	N-PFPS Hardware/ Software		3	FY99	GFE	RFT
040	Flight Planning Hardware/ Software		3	FY02	GFE	
041	Flight Planning Hardware/ Software		3	FY05	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: HS WTU PAC
LOCATION, UIC: NAS North Island, CA

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
042	N-PFPS Hardware/ Software		3	FY99	GFE	RFT
043	N-PFPS Hardware/ Software		1	FY00	GFE	RFT
044	Flight Planning Hardware/ Software		2	FY02	GFE	
045	Flight Planning Hardware/ Software		1	FY03	GFE	
046	Flight Planning Hardware/ Software		2	FY05	GFE	
047	Flight Planning Hardware/ Software		1	FY06	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: HS WTU LANT
LOCATION, UIC: NAS Mayport, FL

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
048	N-PFPS Hardware/ Software		3	FY99	GFE	RFT
049	N-PFPS Hardware/ Software		1	FY00	GFE	RFT
050	Flight Planning Hardware/ Software		2	FY02	GFE	
051	Flight Planning Hardware/ Software		1	FY03	GFE	
052	Flight Planning Hardware/ Software		2	FY05	GFE	
053	Flight Planning Hardware/ Software		1	FY06	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: SEACONWPNSLANT
LOCATION, UIC: NAS North Island, CA 47721

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
054	N-PFPS Hardware/ Software		4	FY99	GFE	RFT
055	Flight Planning Hardware/ Software		3	FY02	GFE	
056	Flight Planning Hardware/ Software		3	FY05	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: MINEWARTRACEN
LOCATION, UIC: Ingleside, TX 62603

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
057	Ultra 2 Hardware/ Software		1	FY02	GFE	
058	Combat Planning Hardware/ Software		1	FY05	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: MAWTS-1
LOCATION, UIC: MCAS Yuma, AZ 62974

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
059	Ultra 2 Hardware/ Software		1	FY99	GFE	RFT
060	Combat Planning Hardware/ Software		1	FY02	GFE	
061	Combat Planning Hardware/ Software		1	FY05	GFE	
062	N-PFPS Hardware/ Software		8	FY99	GFE	RFT
063	N-PFPS Hardware/ Software		1	FY00	GFE	RFT
064	Flight Planning Hardware/ Software		8	FY02	GFE	
065	Flight Planning Hardware/ Software		8	FY05	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: SWATSCOLPAC
LOCATION, UIC: NAS North Island, CA 47721

CIN, COURSE TITLE: Mission Planning
TAMPS System Administrator

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
066	CVIC Hardware/ Software		1	FY98	GFE	RFT
067	CVIC Hardware/ Software		1	FY02	GFE	
068	Ultra 2 Hardware/ Software		2	FY99	GFE	RFT
069	Combat Planning Hardware/ Software		6	FY02	GFE	
070	Combat Planning Hardware/ Software		6	FY05	GFE	
071	N-PFPS Hardware/ Software		4	FY99	GFE	RFT
072	Flight Planning Hardware/ Software		4	FY02	GFE	
073	Flight Planning Hardware/ Software		4	FY05	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: NMITC
LOCATION, UIC: Dam Neck, VA 0387A

CIN, COURSE TITLE: TAMPS System Administrator

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
074	CVIC Hardware/ Software		1	FY98	GFE	RFT
075	CVIC Hardware/ Software		1	FY02	GFE	
076	Ultra 2 Hardware/ Software		3	FY99	GFE	RFT
077	Combat Planning Hardware/ Software		6	FY02	GFE	
078	Combat Planning Hardware/ Software		6	FY05	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: VFA-106
LOCATION, UIC: NAS Oceana, VA 65550

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
079	Ultra 2 Hardware/ Software		2	FY99	GFE	RFT
080	Combat Planning Hardware/ Software		1	FY02	GFE	
081	Combat Planning Hardware/ Software		1	FY05	GFE	
082	N-PFPS Hardware/ Software		10	FY99	GFE	RFT
083	N-PFPS Hardware/ Software		4	FY00	GFE	RFT
084	Flight Planning Hardware/ Software		6	FY02	GFE	
085	Flight Planning Hardware/ Software		4	FY03	GFE	
086	Flight Planning Hardware/ Software		6	FY05	GFE	
087	Flight Planning Hardware/ Software		4	FY06	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: VFA-125
LOCATION, UIC: NAS Lemoore, CA 65559

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
088	Ultra 2 Hardware/ Software		2	FY99	GFE	RFT
089	Combat Planning Hardware/ Software		1	FY02	GFE	
090	Combat Planning Hardware/ Software		1	FY05	GFE	
091	N-PFPS Hardware/ Software		10	FY99	GFE	RFT
092	Flight Planning Hardware/ Software		10	FY02	GFE	
093	Flight Planning Hardware/ Software		10	FY05	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: VFA-122
LOCATION, UIC: NAS Lemoore, CA

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
094	Combat Planning Hardware/ Software		1	FY02	GFE	
095	Combat Planning Hardware/ Software		1	FY05	GFE	
096	N-PFPS Hardware/ Software		12	FY99	GFE	RFT
097	N-PFPS Hardware/ Software		2	FY00	GFE	RFT
098	Flight Planning Hardware/ Software		8	FY02	GFE	
099	Flight Planning Hardware/ Software		2	FY03	GFE	
100	Flight Planning Hardware/ Software		8	FY05	GFE	
101	Flight Planning Hardware/ Software		2	FY06	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: VF-101
LOCATION, UIC: NAS Oceana, VA

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
102	Ultra 2 Hardware/ Software		1	FY99	GFE	RFT
103	Combat Planning Hardware/ Software		1	FY02	GFE	
104	Combat Planning Hardware/ Software		1	FY05	GFE	
105	N-PFPS Hardware/ Software		6	FY99	GFE	RFT
106	N-PFPS Hardware/ Software		4	FY00	GFE	RFT
107	Flight Planning Hardware/ Software		6	FY02	GFE	
108	Flight Planning Hardware/ Software		4	FY03	GFE	
109	Flight Planning Hardware/ Software		6	FY05	GFE	
110	Flight Planning Hardware/ Software		4	FY06	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: VP-30
LOCATION, UIC: NAS Jacksonville, FL 09047

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
111	N-PFPS Hardware/ Software		4	FY99	GFE	RFT
112	N-PFPS Hardware/ Software		2	FY00	GFE	RFT
113	Flight Planning Hardware/ Software		2	FY02	GFE	
114	Flight Planning Hardware/ Software		2	FY03	GFE	
115	Flight Planning Hardware/ Software		2	FY05	GFE	
116	Flight Planning Hardware/ Software		2	FY06	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: VAQ-129
LOCATION, UIC: NAS Whidbey Island, WA 30694

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
117	N-PFPS Hardware/ Software		2	FY99	GFE	RFT
118	N-PFPS Hardware/ Software		1	FY00	GFE	RFT
119	Flight Planning Hardware/ Software		1	FY02	GFE	
120	Flight Planning Hardware/ Software		1	FY03	GFE	
121	Flight Planning Hardware/ Software		1	FY05	GFE	
122	Flight Planning Hardware/ Software		1	FY06	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: VAW-120
LOCATION, UIC: NAS Norfolk, VA 09527

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
123	Ultra 2 Hardware/ Software		1	FY99	GFE	RFT
124	Combat Planning Hardware/ Software		1	FY02	GFE	
125	Combat Planning Hardware/ Software		1	FY05	GFE	
126	N-PFPS Hardware/ Software		2	FY99	GFE	RFT
127	Flight Planning Hardware/ Software		2	FY02	GFE	
128	Flight Planning Hardware/ Software		2	FY05	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: VS-41
LOCATION, UIC: NAS North Island, CA 55138

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
129	N-PFPS Hardware/ Software		4	FY99	GFE	RFT
130	N-PFPS Hardware/ Software		2	FY00	GFE	RFT
131	Flight Planning Hardware/ Software		2	FY02	GFE	
132	Flight Planning Hardware/ Software		2	FY03	GFE	
133	Flight Planning Hardware/ Software		2	FY05	GFE	
134	Flight Planning Hardware/ Software		2	FY06	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: HS-10
LOCATION, UIC: NAS North Island, CA 09299

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
135	N-PFPS Hardware/ Software		6	FY99	GFE	RFT
136	Flight Planning Hardware/ Software		6	FY02	GFE	
137	Flight Planning Hardware/ Software		6	FY05	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: HC-2
LOCATION, UIC: NAS Norfolk, VA

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
138	N-PFPS Hardware/ Software		1	FY99	GFE	RFT
139	Flight Planning Hardware/ Software		1	FY02	GFE	
140	Flight Planning Hardware/ Software		1	FY05	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: HC-3
LOCATION, UIC: NAS North Island, CA 69822

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
141	N-PFPS Hardware/ Software		1	FY99	GFE	RFT
142	Flight Planning Hardware/ Software		1	FY02	GFE	
143	Flight Planning Hardware/ Software		1	FY05	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: HSL-40
LOCATION, UIC: NAS Mayport, FL 53912

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
144	N-PFPS Hardware/ Software		6	FY99	GFE	RFT
145	Flight Planning Hardware/ Software		2	FY01	GFE	
146	Flight Planning Hardware/ Software		4	FY02	GFE	
147	Flight Planning Hardware/ Software		2	FY04	GFE	
148	Flight Planning Hardware/ Software		4	FY05	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: VMFAT-101
LOCATION, UIC: MCAS Miramar, CA 45526

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
149	Ultra 2 Hardware/ Software		2	FY99	GFE	RFT
150	Combat Planning Hardware/ Software		1	FY02	GFE	
151	Combat Planning Hardware/ Software		1	FY05	GFE	
152	N-PFPS Hardware/ Software		10	FY99	GFE	RFT
153	N-PFPS Hardware/ Software		2	FY00	GFE	RFT
154	Flight Planning Hardware/ Software		8	FY02	GFE	
155	Flight Planning Hardware/ Software		2	FY03	GFE	
156	Flight Planning Hardware/ Software		8	FY05	GFE	
157	Flight Planning Hardware/ Software		2	FY06	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: VMGRT-253
LOCATION, UIC: MCAS Cherry Point, NC 28533

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
158	N-PFPS Hardware/ Software		4	FY99	GFE	RFT
159	Flight Planning Hardware/ Software		2	FY01	GFE	
160	Flight Planning Hardware/ Software		2	FY02	GFE	
161	Flight Planning Hardware/ Software		2	FY04	GFE	
162	Flight Planning Hardware/ Software		2	FY05	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: VMAT-203
LOCATION, UIC: MCAS Cherry Point, NC 45483

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
163	N-PFPS Hardware/ Software		5	FY99	GFE	RFT
164	Flight Planning Hardware/ Software		1	FY01	GFE	
165	Flight Planning Hardware/ Software		4	FY02	GFE	
166	Flight Planning Hardware/ Software		1	FY04	GFE	
167	Flight Planning Hardware/ Software		4	FY05	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: VMMT-204
LOCATION, UIC: MCAS New River, NC 28545

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
168	N-PFPS Hardware/ Software		3	FY99	GFE	RFT
169	Flight Planning Hardware/ Software		3	FY02	GFE	
170	Flight Planning Hardware/ Software		3	FY05	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: HMT-301
LOCATION, UIC: MCAS Kaneohe, HI 52843

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
171	N-PFPS Hardware/ Software		3	FY99	GFE	RFT
172	Flight Planning Hardware/ Software		3	FY02	GFE	
173	Flight Planning Hardware/ Software		3	FY05	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: HMT-302
LOCATION, UIC: MCAS New River, NC 28545

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
174	N-PFPS Hardware/ Software		3	FY99	GFE	RFT
175	Flight Planning Hardware/ Software		3	FY02	GFE	
176	Flight Planning Hardware/ Software		3	FY05	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

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

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
177	N-PFPS Hardware/ Software		3	FY99	GFE	RFT
178	Flight Planning Hardware/ Software		3	FY02	GFE	
179	Flight Planning Hardware/ Software		3	FY05	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: NSCS
LOCATION, UIC: Athens, GA

CIN, COURSE TITLE: Aviation Logistics Tactical Information Systems Specialist (ALTIS) Course

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
180	N-PFPS Hardware/ Software		4	FY98	GFE	RFT
181	N-PFPS Hardware/ Software		1	FY99	GFE	RFT
182	Flight Planning Hardware/ Software		5	FY02	GFE	
183	Flight Planning Hardware/ Software		5	FY05	GFE	

Element IV.A.2. **Training Devices**

DEVICE:
DESCRIPTION OF DEVICE:
MANUFACTURER:
CONTRACT NUMBER:
TEE STATUS:

TRAINING ACTIVITY LOCATION, UIC	QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED

Not Applicable

Section IV.B. **COURSEWARE REQUIREMENTS**

Element IV.B.1. **Training Services**

COURSE/TYPE OF TRAINING	SCHOOL, LOCATION, UIC	NO. OF PERSONNEL	MAN WEEKS REQUIRED	BEGIN DATE
Mission Planning TAMPS 6.2.1	NMITC Dam Neck, VA	1	1	Jun 01
SA/DBA TAMPS 6.2.1	NMITC Dam Neck, VA	1	1	Jun 01
Mission Planning TAMPS 6.2.1	SWATSCOLPAC NAS North Island, CA	1	1	Jun 01
SA/DBA TAMPS 6.2.1	SWATSCOLPAC NAS North Island, CA	1	1	Jun 01

Note: Initial training for TAMPS 6.2.1 will be provided by C4I Program Office, Philadelphia, PA.

Element IV.B.2. **Curricula Materials and Training Aids**

TRAINING ACTIVITY: VFA-106
LOCATION, UIC: NAS Oceana, VA 65550

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(1) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2.1 will be incorporated into the existing syllabus concurrent with the software installation.

TRAINING ACTIVITY: VFA-122
LOCATION, UIC: NAS Lemoore, CA

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(1) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2.1 will be incorporated into the existing syllabus concurrent with the software installation.

Element IV.B.2. **Curricula Materials and Training Aids** (Cont'd)

TRAINING ACTIVITY: VFA-125
LOCATION, UIC: NAS Lemoore, CA 65559

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(1) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2.1 will be incorporated into the existing syllabus concurrent with the software installation.

TRAINING ACTIVITY: VF-101
LOCATION, UIC: NAS Oceana, VA 65552

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(1) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2.1 will be incorporated into the existing syllabus concurrent with the software installation.

Element IV.B.2. **Curricula Materials and Training Aids** (Cont'd)

TRAINING ACTIVITY: VAW-120
LOCATION, UIC: NAS Norfolk, VA 09527

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(1) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2.1 will be incorporated into the existing syllabus concurrent with the software installation.

TRAINING ACTIVITY: SWATSLANT
LOCATION, UIC: NAS Oceana, VA 47457

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(20) Training Course, Trainee Guide			
(3) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus. Applicable instructional material for TAMPS software release 6.2.1 will be incorporated into the existing syllabus concurrent with the software installation.

Element IV.B.2. **Curricula Materials and Training Aids** (Cont'd)

TRAINING ACTIVITY: SFWSLANT
LOCATION, UIC: NAS Cecil Field, FL 47084

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(20) Training Course, Trainee Guide			
(3) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus. Applicable instructional material for TAMPS software release 6.2.1 will be incorporated into the existing syllabus concurrent with the software installation.

TRAINING ACTIVITY: SFWSPAC
LOCATION, UIC: NAS Lemoore, CA 35185

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(20) Training Course, Trainee Guide			
(3) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

Element IV.B.3. **Technical Manuals** (Cont'd)
TRAINING ACTIVITY: SWATSCOLPAC
LOCATION, UIC: NAS North Island, CA 47721

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(20) Training Course, Trainee Guide			
(3) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus. Applicable instructional material for TAMPS software release 6.2.1 will be incorporated into the existing syllabus concurrent with the software installation.

TRAINING ACTIVITY: NMITC
LOCATION, UIC: Dam Neck, VA 0387A

CIN, COURSE TITLE: TAMPS System Administrator

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(25) Student achievement Test			
(25) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus. Applicable instructional material for TAMPS software release 6.2.1 will be incorporated into the existing syllabus concurrent with the software installation.

Element IV.B.2. **Curricula Materials and Training Aids** (Cont'd)

TRAINING ACTIVITY: SWATSCOLPAC
LOCATION, UIC: NAS North Island, CA 47721

CIN, COURSE TITLE: TAMPS System Administrator

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(25) Student Achievement Test			
(25) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus. Applicable instructional material for TAMPS software release 6.2.1 will be incorporated into the existing syllabus concurrent with the software installation.

Element IV.B.3. **Technical Manuals**

TRAINING ACTIVITY: VFA-106
LOCATION, UIC: NAS Cecil Field, FL 65550

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	RFT	
System Administrator Manual	Hard Copy	1	RFT	

TRAINING ACTIVITY: VFA-122
LOCATION, UIC: NAS Lemoore, CA

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	FY00	
System Administrator Manual	Hard Copy	1	FY00	

TRAINING ACTIVITY: VFA-125
LOCATION, UIC: NAS Lemoore, CA 65559

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	RFT	
System Administrator Manual	Hard Copy	1	RFT	

Element IV.B.3. **Technical Manuals** (Cont'd)

TRAINING ACTIVITY: VF-101
LOCATION, UIC: NAS Oceana, VA 65552

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	RFT	
System Administrator Manual	Hard Copy	1	RFT	

TRAINING ACTIVITY: VAW-120
LOCATION, UIC: NAS Norfolk, VA 09527

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	RFT	
System Administrator Manual	Hard Copy	1	RFT	

TRAINING ACTIVITY: VAQ-129
LOCATION, UIC: NAS Whidbey Island, WA 30694

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	RFT	
System Administrator Manual	Hard Copy	1	RFT	

Element IV.B.3. **Technical Manuals** (Cont'd)

TRAINING ACTIVITY: VMFAT-101
LOCATION, UIC: NAS Miramar, CA 45526

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	RFT	
System Administrator Manual	Hard Copy	1	RFT	

TRAINING ACTIVITY: SWATSLANT
LOCATION, UIC: NAS Oceana, VA 47157

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	8	RFT	
System Administrator Manual	Hard Copy	2	RFT	

TRAINING ACTIVITY: SFWSLANT
LOCATION, UIC: NAS Cecil Field, FL 47084

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	8	RFT	
System Administrator Manual	Hard Copy	2	RFT	

TRAINING ACTIVITY: SFWSPAC
LOCATION, UIC: NAS Lemoore, CA 35185

CIN, COURSE TITLE: Mission Planning

Element IV.B.3. **Technical Manuals** (Cont'd)

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	8	RFT	
System Administrator Manual	Hard Copy	2	RFT	

TRAINING ACTIVITY: SWATSCOLPAC
LOCATION, UIC: NAS North Island, CA 47721

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	8	RFT	

TRAINING ACTIVITY: AEW WTU
LOCATION, UIC: NAWC Pt Mugu, CA

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	8	RFT	
System Administrator Manual	Hard Copy	2	RFT	

TRAINING ACTIVITY: MINEWARTRACEN
LOCATION, UIC: Ingleside, TX 62603

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	8	RFT	
System Administrator Manual	Hard Copy	2	RFT	

Element IV.B.3. **Technical Manuals** (Cont'd)

TRAINING ACTIVITY: MAWTS-1
LOCATION, UIC: MCAS Yuma, AZ 62974

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	8	RFT	
System Administrator Manual	Hard Copy	2	RFT	

TRAINING ACTIVITY: NMITC
LOCATION, UIC: Dam Neck, VA 0387A

CIN, COURSE TITLE: TAMPS System Administrator

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
System Administrator User's Manual	Hard Copy	10	RFT	
Mission Planner User's Manual	Hard Copy	4	RFT	

TRAINING ACTIVITY: SWATSCOLPAC
LOCATION, UIC: NAS North Island, CA 47721

CIN, COURSE TITLE: TAMPS System Administrator

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
System Administrator User's Manual	Hard Copy	10	RFT	

PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
PEO (CU)	Commence Analysis of Manpower, Personnel and Training Requirements		Complete
PMA233	Fleet Introduction of TAMPS Hosted on Microvax		Complete
FRS/NMITC	Commence TAMPS/Microvax Follow-on Training		Complete
PMA233	Begin Fleet Introduction of TAMPS Hosted on DTC-II		Complete
FRS/Weapon School	Commence DTC-II/Software Release 5.0 Aircrew Follow-on Training		Complete
N6	Approve and Promulgate NTP		Complete
NMITC	Commence DTC-II/Software Release 5.0 System Administrator Follow-on Training		Complete
N6	Approve and Promulgate Updated NTP (Revision A)		Complete
PMA233	Begin Fleet Introduction of TAMPS Hosted on TAC-III		Complete
PMA233	Begin Fleet Introduction of TAMPS Hosted on ACE/VME		Complete
NMITC/ SWATSCOLPAC	Commence TAMPS/Software Release 6.0.3 System Administrator Follow-on Training		Complete
FRS/Weapon School	Commence TAMPS/Software Release 6.0.3 Aircrew Follow-on Training		Complete
N6	Approve and Promulgate Update NTP (Revision B)		Complete
NMITC/ SWATSCOLPAC	Commence TAMPS/Software Release 6.1 System Administrator Follow-on Training		Complete
FRS/Weapon School	Commence TAMPS/Software Release 6.1 Aircrew Follow-on Training		Complete
PMA205	Promulgate Draft Update NTSP (Revision C) to ALCON for Review and Comment		Complete
PMA205	Submit Proposed Update NTSP (Revision C) for OPNAV Review		Complete
N889	Approve and Promulgate Update NTSP (Revision C)		Complete
PMA205	Submit Draft Update NTSP (Revision D) for OPNAV Review		

PART VI - DECISION ITEMS/ACTION REQUIRED

DECISION ITEM OR ACTION REQUIRED	COMMAND ACTION	DUE DATE	STATUS

No Decision Items/Actions Required are pending at this time.

PART VII - POINTS OF CONTACT

NAME/ACTIVITY/CODE	FUNCTION	TELEPHONE NUMBER DSN/COMMERCIAL
LCDR R. Rivera CNO/N62H1	Resource/Program Sponsor	DSN 329-1444 Comm 703-601-1444
LT P. Mijares CNO/N6TT1C	Assistant for Training	DSN 329-1485 Comm 703-601-1485
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CAPT F. Smith CNO/N889H2	Aviation Technical Training	DSN 664-7730 Comm 703-604-7730
CAPT R. Moebius PEO(T)/PMA233	NavMPS Program Manager	DSN 757-8024 Comm 301-757-8024
Mr. Stan Rivers PEO(T)/PMA2334	NavMPS Fleet Liaison	DSN 757-8015 Comm 301-757-8015
Mr. M. Mancini NAVAIRSYSCOM/ PMA205-3F	NavMPS APMTS	DSN 757-8132 Comm 301-757-8132
Mr. J. Cleer NAVAIRSYSCOM/ PMA233L	NavMPS APML	DSN 757-7279 Comm 301-757-7279
Mr. D. Salmon SPAWAR C4I Programs Office, Philadelphia	Fleet Support	DSN 442-8071 Comm 215-214-8071
Mr. D. Gleiter NAWC A/C Division	System Software Design	DSN 441-2488 Comm 215-441-2488
CAPT Taylor NSAWC/092	NavMPS Model Manager	DSN 830-3812 Comm 702-426-3812
LCDR D. Erickson COMOPTEVFOR/521	Operational Test Coordinator	DSN 564-5088 Comm 804-444-5088
LCDR M. Thompson COMTRALANT/N731		DSN 564-2714 Comm 804-444-2714
LCDR Williams NMITC/N26		DSN 433-0098 Comm 757-433-0098