NAVY TRAINING SYSTEM PLAN

FOR THE

STRIKE FIGHTER TRAINING PROGRAM

N88 NTSP-A-50-9906/A

MAY 2002

STRIKE FIGHTER TRAINING PROGRAM

EXECUTIVE SUMMARY

The Strike Fighter Training Program (SFTP) is a training concept designed to provide the infrastructure and support systems necessary for standardized and enhanced training at the fleet aircrew level. The goal is to increase flight crew readiness and combat capabilities while achieving training economy and efficiency.

The Strike Fighter Training System (SFTS) is designed to provide Navy F-14 and Navy and Marine Corps F/A-18 Strike Fighter aircrews with a comprehensive, web-based training management tool. It is designed as a single source of Strike Fighter training information to deliver training (lectures, interactive courseware), provide access to Strike Fighter reference materials, allow interactive scheduling of squadron/unit events, generate reports of aircrew qualification standards and track aircrew certification and training via electronic training jackets. The SFTS is available to all Strike Fighter squadrons and weapons schools. SFTS is an Abbreviated Acquisition program, currently in the Production and Deployment phase of the Defense Acquisition System. Initial Operational Capability (IOC) was first quarter Fiscal Year (FY) 02 and ship installs will continue through FY03 based on availability.

The SFTP is the initial model for the Aircrew Combat Training Continuum (ACTC) and consists of three pillars.

- The Strike Fighter Tactics Instructor (SFTI) program provides a cadre of formally trained instructors tasked to implement and administer the SFTP at the squadron and Type Wing Weapons School (TWWS) levels.
- The Strike Fighter Weapons and Tactics (SFWT) program is a comprehensive Weapons and Tactics syllabus that provide a framework for unit level training and sets standards of tactical proficiency and combat readiness.
- The SFTS is a comprehensive web-based training management system with the architecture, equipment, and training tools required to provide real-time support to the SFTIs and fleet aircrew, whether ashore or afloat.

A Software Database Administrator position staffed by Contractor personnel located at Naval Strike and Air Warfare Center (NSAWC) will perform data and courseware entry and afloat support. SFTIs assigned to NSAWC will serving as Subject Matter Experts (SME) and will perform lecture and courseware review and integration functions.

Analysis and Technology, Inc. delivered the initial set of hardware (and the associated software) in third quarter FY98 to NSAWC, Strike Fighter Weapons School Pacific, Strike Fighter Weapons School Atlantic, and the Strike Weapons and Tactics School Atlantic. A follow-on contract to install SFTS servers on Aircraft Carriers and Aircraft Carriers, Nuclear (CV/CVN), upgrade existing hardware from server-based to web-based, install servers at selected

Strike Fighter bases, and develop and implement a Training Management System (TMS) was awarded to Booz-Allen and Hamilton, Inc. (BAH) in February 1999. BAH will perform maintenance on the hardware during the warranty period. A third contract for development of the courseware that resides on the SFTS was awarded to Logistic Services International, Inc. (LSI) in February 1999.

The SFTP had no impact on existing manpower requirements for F-14 and F/A-18 fleet squadrons or TWWSs. Selected F-14 and F/A-18 aircrews are being trained as SFTIs, who in turn, administer the SFWT Program in fleet squadrons. Their primary responsibilities are internal, unit-level training and external standardization and evaluation. The goal is to provide one SFTI to each Fighter Attack Squadron (VFA) F/A-18A/C/E, two (one pilot, one Radar Intercept Officer (RIO)) to each Fighter Squadron (VF), and two (one pilot, one Weapons Sensor Officer (WSO)) to each VFA F/A-18F squadron. In most instances, prior to an SFTI serving as a squadron Training Officer, he or she will serve a shore tour assignment as an NSAWC instructor, TWWS instructor, Fleet Replacement Squadron (FRS) instructor or weapons test instructor. Each SFTI is assigned an Additional Qualification Designator (AQD) of DB1 upon completion of the SFTI course at NSAWC.

The Naval Research and Development Department of the Naval Air Systems Command was funded by the Chief of Naval Operations (N789), formerly N889, to produce an SFTS Interactive Courseware Style Guide and Power Point presentations. Executive Steering Committee (ESC) and Program Advisory Group (PAG) guidance is provided in the SFTP Joint Type Commander (TYCOM)/NSAWC Instruction 1525.1B. These guides provide initial training for the SFTS ESC and PAG. Analysis and Technology, Inc. conducted initial SFTS training in May and June 1998 for System Administrators at all Strike Fighter Weapons Schools to include Windows NT 4.0, Workstation 4.0, and Cheyenne Server back-up software. In addition to SFTS-related training, the Naval Strike and Air Warfare Center is responsible for follow-on training of SFTIs.

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LIST OF ACRONYMS

ACOL	Air Combat On Line
ACTC	Aircrew Combat Training Continuum
AOB	Average Onboard
AQD	Additional Qualification Designator
ATIR	Annual Training Input Requirement
ATRR	Aircrew Training Requirements Review
BAH	Booz-Allen and Hamilton, Inc.
CAI	Computer-Aided Instruction
CBT	Computer-Based Training
CIN	Course Identification Number
CINCLANTFLT	Commander in Chief, United States Atlantic Fleet
CINCPACFLT	Commander in Chief, United States Pacific Fleet
CINCUSNAVEUR	Commander in Chief, United States Naval Forces Europe
CNO	Chief of Naval Operations
COMNAVAIRLANT	Commander Naval Air Force, U. S. Atlantic Fleet
COMNAVAIRPAC	Commander Naval Air Force, U. S. Pacific Fleet
COMNAVAIRESFOR	Commander Naval Air Reserve Force
COTS	Commercial Off-The-Shelf
CPU	Central Processing Unit
CV	Aircraft Carrier
CVN	Aircraft Carrier, Nuclear
DAA	Designated Approval Authority
DIA	Defense Intelligence Agency
DITSCAP	Defense Information Technology Security Certification and Accreditation Process
ESC	Executive Steering Committee
ETJ	Electronic Training Jacket
FRD	Functional Requirements Document
FRS	Fleet Replacement Squadron
FY	Fiscal Year
GCI	Ground Controlled Intercept
GOTS	Government Off The Shelf

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LIST OF ACRONYMS

HTML	Hyper-Text Markup Language
ICW	Interactive Courseware
IOC	Initial Operational Capability
IT	Information Technology Specialist
IT21	Information Technology for the 21st Century
JICPAC	Joint Intelligence Center Pacific
JMEM	Joint Munitions Effectiveness Manual
LAN	Local Area Network
LRU	Lowest Replaceable Units
LSI	Logistics Services International
MACE	Missile Air Combat Evaluator
MAWTS	Marine Aviation Weapons and Tactics Squadron
MCAS	Marine Corps Air Station
MNS	Mission Needs Statement
NA	Not Applicable
NAF	Naval Air Facility
NALCOMIS	Naval Aviation Logistics Command Management Information System
NAS	Naval Air Station
NATOPS	Naval Air Training and Operating Procedures Standardization
NATSAG	Naval Aviation Training Strategic Advisory Group
NAVAIRSYSCOM	Naval Air System Command
NAVPERSCOM	Navy Personnel Command
NAWCWD	Naval Air Warfare Center Weapons Division
NCCOSC	Naval Command, Control, and Oceanographic System Center
NMCI	Navy Marine Corps Internet
NRaD	Naval Research and Development
NSA	National Security Agency
NSAWC	Naval Strike and Air Warfare Center
NTSP	Navy Training System Plan
OPNAV	Office of the Chief of Naval Operations
OPO	Office of the Chief of Naval Operations (OPNAV) Principal Official
PAG	Program Advisory Group

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LIST OF ACRONYMS

PMA	Program Manager, Air
RDBMS	Relational Database Management System
RFT	Ready For Training
RIO	Radar Intercept Officer
SFOL	Strike Fighter On Line
SFTI	Strike Fighter Tactics Instructor
SFTP	Strike Fighter Training Program
SFTS	Strike Fighter Training System
SFTST	Strike Fighter Training System Team
SFWSL	Strike Fighter Weapons School Atlantic
SFWSP	Strike Fighter Weapons School Pacific
SFWT	Strike Fighter Weapons and Tactics
SHARP	Sierra Hotel Aviation Readiness Program
SIPRNET	Secret Internet Protocol Router Network
SME	Subject Matter Expert
SPAWAR	Space and Naval Warfare Systems Command
SSAA	System Security Authorization Agreement
SWATSLANT	Strike Weapons and Tactics School Atlantic
TACTS	Tactical Air Combat Training System
TAMPS	Tactical Aircraft Mission Planning System
TD	Training Device
TMS	Training Management System
T&RM	Training and Readiness Matrix
TTE	Technical Training Equipment
TWWS	Type Wing Weapons School
TYCOM	Type Commander
USS	United States Ship
VA	Attack Squadron
VFA	Fighter Attack Squadron
WAN	Wide Area Network
WSO	Weapons Sensor Officer

STRIKE FIGHTER TRAINING PROGRAM

PREFACE

This Approved Navy Training System Plan (NTSP) for the Strike Fighter Training Program (SFTP), hereafter referred to as SFTP, has been developed to update the SFTP Draft NTSP N88-NTSP-A-50-9906/D dated March 2001. This document has been developed in accordance with guidelines set in Office of Chief of Naval Operations (OPNAV) publication P-751-1-9-97. This document reflects current SFTP logistics support requirements for training activities that provide instruction on the maintenance and operational use of the SFTP and identifies training courses that are affected by the SFTP. Comments from three reviewing activities are also incorporated. These comments serve to clarify many points in the previous (Draft) version.

PART I - TECHNICAL PROGRAM DATA

A. NOMENCLATURE-TITLE-PROGRAM

1. **Nomenclature-Title-Acronyms.** Strike Fighter Training Program (SFTP)

2. **Program Element.** 07500N

B. SECURITY CLASSIFICATION

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

For information pertaining to all elements of program management contact the Developing Agency, Program Manager, Air (PMA) 205.

C. MANPOWER, PERSONNEL, AND TRAINING PRINCIPALS

OPNAV Principal Official (OPO) Program Sponsor..... CNO (N789F)

OPO Resource Sponsor ..... CNO (N789F)

Developing Agency..... NAVAIRSYSCOM (PMA205)

Training Agency .....COMNAVAIRLANT
COMNAVAIRPAC
NSAWC

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

Manpower and Personnel Mission Sponsor ..... CNO (N12)
NAVPERSCOM (PERS-433, PERS-4)

Director of Naval Training ..... CNO (N795)

D. SYSTEM DESCRIPTION

1. Operational Uses. The SFTP provides a comprehensive web-based training management tool designed to provide Strike Fighter aircrew with a single source of training information. SFTP is comprised of three components called "pillars":

- Strike Fighter Tactics Instructor (SFTI)
- Strike Fighter Weapons and Tactics (SFWT) Syllabus
- Strike Fighter Training System (SFTS)

The goal of the SFTP is to increase aircrew readiness and combat capabilities while achieving training economies and efficiencies. Specifically, the SFTP develops weapons employment and tactics development skills among Navy F/A-18 and F-14 squadrons and Marine Aviation Weapons and Tactics Squadron (MAWTS) 1.

Prior to July 1995, a "training continuum" for F-14 and F/A-18 aircrew personnel did not exist, with formalized instruction residing at the Fleet Replacement Squadron (FRS), Strike U., and TOPGUN. Following FRS training, aircrew personnel received On-the-Job Training in their respective squadrons in order to fulfill the requisite training and readiness goals as directed by the Type Commanders (TYCOM). Instruction varied by individual units and lacked standardization. This, in turn, affected the aircrew's ability to maintain proficiency and provided no means to adequately determine a unit's true readiness level. Additionally, there was no mechanism in place to effectively distribute training materials, nor the ability to quickly update changes to weapons, sensors, and tactics employment doctrine.

In November 1995, a Mission Need Statement (MNS) for the Fleet Aircrew Training Support System was jointly endorsed by the Commander in Chief, United States Naval Forces, Europe (CINCUSNAVEUR); Commander in Chief, United States Pacific Fleet (CINCPACFLT); and Commander in Chief, United States Atlantic Fleet (CINCLANTFLT). From that document, the Aircrew Combat Training Continuum (ACTC) concept was established with the SFTP as the lead element. The SFTP includes:

- **Strike Fighter Tactics Instructors.** Fully qualified instructors who administer internal squadron training and external standardization.

- **Strike Fighter Weapons and Tactics Syllabus.** Structured academic, simulator, and flight syllabi that ensures aircrews are fully trained in critical combat skills and thus achieving the highest degree of readiness.

- **Strike Fighter Training System.** A comprehensive secure networked web-based training tool designed to provide Strike Fighter aircrews with a single source of training information to deliver training, provide access to Strike Fighter reference materials, allow interactive scheduling of squadron and unit events, generate aircrew qualification status reports, and track aircrew certification and training via Electronic Training Jackets (ETJ).

The ACTC and SFTP were approved by the Naval Aviation Training Strategic Advisory Group (NATSAG) and retained a "Number One Priority" status through Calendar Year 2000. Subsequently, the Strike Fighter Training System Team (SFTST) was established through the collaboration of CINCPACFLT, CINCLANTFLT, CINCUSNAVEUR, and Naval Strike and Air Warfare Center (NSAWC). It has since evolved into the SFTP Executive Steering Committee (ESC) and its subordinate structure, comprised of the Program Advisory Group (PAG) and component working groups. Principal members of the ESC are:

- Commander, NSAWC
- Commander Naval Air Force, United States Pacific Fleet (COMNAVAIRPAC)
- Commander Naval Air Force, United States Atlantic Fleet (COMNAVAIRLANT)
- Commander Naval Air Reserve Force (COMNAVAIRRESFOR)

Additional voting members of the ESC are:

- Commanders, East and West Coast Type Wing
- Commanding Officer, MAWTS 1
- Commanding Officer, Strike Fighter Weapons School, Pacific (SFWSP)
- Commanding Officer, Strike Fighter Weapons School, Atlantic (SFWSL)
- Commanding Officer, Strike Weapons and Tactics School, Atlantic (SWATSLANT)

Additionally, the ESC advisory members are N789F, PMA205, PMA241, and PMA265.

The SFTP ESC determines and communicates actual operational training system requirements to support fleet combat readiness. Additionally, the ESC identifies and plans for future training requirements, and generates standards for integration and interoperability of various training system components. This is all part of the post-FRS training continuum concept as envisioned in the original MNS and communicated through the ACTC program. The SFTP ESC/PAG process provides an annual review of the SFTP, including program recommendations to the Air Board, NATSAG, and NATSAG ESC. The Chief of Naval Operations (CNO) N789, CNO N795, TYCOMs, Naval Air Warfare Center Weapons Division (NAWCWD), NAWCTSD, PMA205, PMA241, and PMA265 are supporting members of the ESC/PAG. The supporting members provide funding, contractual, engineering, and strategic support for the F-14 and F/A-18 communities.

2. Foreign Military Sales. Not Applicable (NA)

E. DEVELOPMENTAL TEST AND OPERATIONAL TEST. From April to June 2000, Booz-Allen and Hamilton, Inc. (BAH) and the Space and Naval Warfare Systems Command (SPAWAR) performed Technical Evaluation (TECHEVAL) integrated testing of the Strike Fighter On Line (SFOL) software. BAH and SPAWAR performed Operational Evaluation (OPEVAL) of the SFTS hardware in July 2000.

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

G. DESCRIPTION OF NEW DEVELOPMENT

1. Functional Description. As mentioned in the preceding section, the SFTP is comprised of three distinct components. Their specific functions and intents are:

a. Strike Fighter Tactics Instructor. The SFTI course objective is to graduate officers who are fully qualified to execute the Strike Fighter Weapons and Tactics (SFWT) program and provide internal training and external evaluation at the fleet squadron level. The SFTI course taught at TOPGUN includes flight instruction, command and control integration, strike planning, and academics. The course is nine weeks, is conducted three times annually, and produces one replacement SFTI to satisfy fleet requirements every 18 months. Fleet squadron SFTI manning requirements are as follows:

- F/A-18A/C/E Squadrons - one SFTI each
- F/A-18F Squadrons - two SFTIs each (one Pilot and one Weapons Sensor Officer (WSO))
- F-14 Squadrons - two SFTIs each (one Pilot and one Radar Intercept Officer (RIO))

NSAWC provides guidance regarding SFTI candidate prerequisites and implements and promulgates the SFTI course syllabus and class quota control. Type Wing Commanders promulgate and oversee the SFTI applicant selection process. NSAWC and Type Wing Commanders provide input to Navy Personnel Command (NAVPERSCOM) concerning SFTI career paths and distribution.

b. Strike Fighter Weapons and Tactics Syllabus. The SFWT is a comprehensive training, qualification, and certification syllabus that includes academics, simulators, flights, and external evaluations. The syllabus objective is to maximize tactical proficiency and increase combat effectiveness. A five-tiered (Levels I-V) approach in designation of aircrew will be employed. Level V is used to designate SFTI course graduates. Current SFWT designations include:

- Level I..... (FRS Complete)
- Level II..... (Combat Wingman)
- Level III .... (Combat Section Lead)
- Level IV .... (Combat Division Lead)
- Level V ..... (SFTI Designation)

The SFWT syllabus and associated qualification and currency guidance will be promulgated via a joint Type Wing instruction. Aviation Type Commander/NSAWC function in an advisory role to ensure concurrence with Training and Readiness directives and the SFTI training syllabus.

c. Strike Fighter Training System. The SFTS is a critical element of the program as it encompasses the distribution network (hardware and software) for the Strike Fighter aircrews. SFTS includes the technology, materials, organizational structure, and inherent

processes that are integrated to provide effective program management and oversight. It enables courseware development processes, and produces a repository that delivers high quality training materials to fleet Aviators. Furthermore, it provides a tracking system that quickly, easily, and accurately manages Flight Crew SFWT status. Finally, it provides a web-based distributed network that allows classified connectivity between NSAWC, local weapon schools, CV/CVNs, and all VF and VFA squadrons.

(1) Strike Fighter Training System Hardware. SFTS servers, desktop computers, laptop computers and laptop web servers are composed of Commercial Off-The-Shelf (COTS) and Government Off-The-Shelf (GOTS) hardware and software. All COTS hardware and software meets or exceed the minimum requirement in accordance with the Navy's Information Technology for the 21st century (IT21) specifications and Navy Marine Corps Internet (NMCI) specifications (where operational) that support the delivery, training management, and administration requirements. IT21 specifications were implemented and approved by Department of the Navy Chief of Information Office. NMCI will periodically update the hardware, software, and networks to keep up with current technology.

All SFTS computers are fully accessible to the classified Local Area Network (LAN), and Secret Internet Protocol Router Network (SIPRNET) Wide Area Network (WAN). SFTS computers will be used by the Type Wing Weapons School (TWWS) and fleet aircrew to deliver training, deliver reference material, schedule squadron and unit events, generate reports of aircrew qualification status, and track aircrew certification and training via ETJs.

SFTS, as a web-based management tool, is designed to deliver training at NSAWC, TWWSs, and in F-14 and F/A-18 squadrons. Training materials include lectures (Computer Aided Instruction (CAI)), Interactive Courseware (ICW), and Tests. CAI is provided in two forms:

- Power Point, which can be downloaded to the desktop computer for modification
- Hyper-Text Markup Language (HTML), for review without modification

All training materials, including ICW and tests, can be used for self-paced learning or for group presentations.

(2) Training Management System. The Training Management System (TMS) portion of SFTS is called Strike Fighter On Line (SFOL), which will become Air Combat On Line (ACOL) in ACTC. SFOL is a web-based training and learning management portal that permits aircrew to access and manage training materials, courseware, and training records in a secure, on-line environment. A Relational Database Management System (RDBMS) supports SFTS, providing a variety of tools for aircrew and staffs to maintain and process training data to enhance community knowledge management and decision-making initiatives. Capabilities include:

- Facilitating training scheduling by automating training events. The Training Management System manages resource scheduling and resolves scheduling conflicts, and then generates schedules for training.

- Administering and tracking aircrew training. Provides a full spectrum management from ground-based training through the briefing for a training event, the event, and post-event debriefing process, including tools for reviewing aircrew progress and remediation.
- Will be able to assess training system effectiveness, and provide tools for measuring and reporting squadron readiness via Sierra Hotel Aviation Readiness Program (SHARP).
- Managing, measuring, and reporting all aircrew qualifications, proficiency, and currency, ensuring that access to squadron level data is controlled so that all data is available at the squadron level, but access by others is limited.

(a) Information Management System. The Information Management System's purpose is to:

- Disseminate data by generating aircrew qualification reports.
- Track aircrew certification and training.
- Provide access to reference materials. All technical, tactical, and operational publications that support the SFTS are stored in the SFTS database as well as aircrew data in the electronic training jackets.

(b) System Administration and Maintenance System. The System Administration and Maintenance System provides SFTIs and network administrators the ability to perform system administration at their activity to include:

- Controlling system access.
- Monitoring aircrew performance.
- Performing system operations tasks.
- Administering the SFTS, the SIPRNET WAN, and LAN.
- Ensuring system security.

2. Physical Description. The SFTS has a database, file, print, and communication server at NSAWC, SFWSP, SFWSL, SWATSLANT, and 12 CV or CVNs. All servers are in a secure location. Each server will have two sets of duplicate hardware that will meet the requirements of IT21 and NMCI specifications at the time of delivery. The hardware and software specifications listed below are:

NOMENCLATURE	**DESKTOP WORKSTATION**
Central Processing Unit (CPU)	Pentium III, 866MHz with 256K cache, 128MB/100MHz SDRAM, 10GB HD, 16X DVD ROM, 3.5" Floppy, 10/100 Network Card

NOMENCLATURE	DESKTOP WORKSTATION
Monitor	17” Color (16” Viewable)
Keyboard-Mouse	Standard
Software	Windows 2000, MS Office 2000 Professional, MS Exchange/ Outlook, Internet Explorer 5.0, Smart Card Support, NetMeeting 3.0, Norton A/V, Quicktime 4.1, Shockwave 8.0, Flash 4.0, Adobe Acrobat Viewer, WinZip

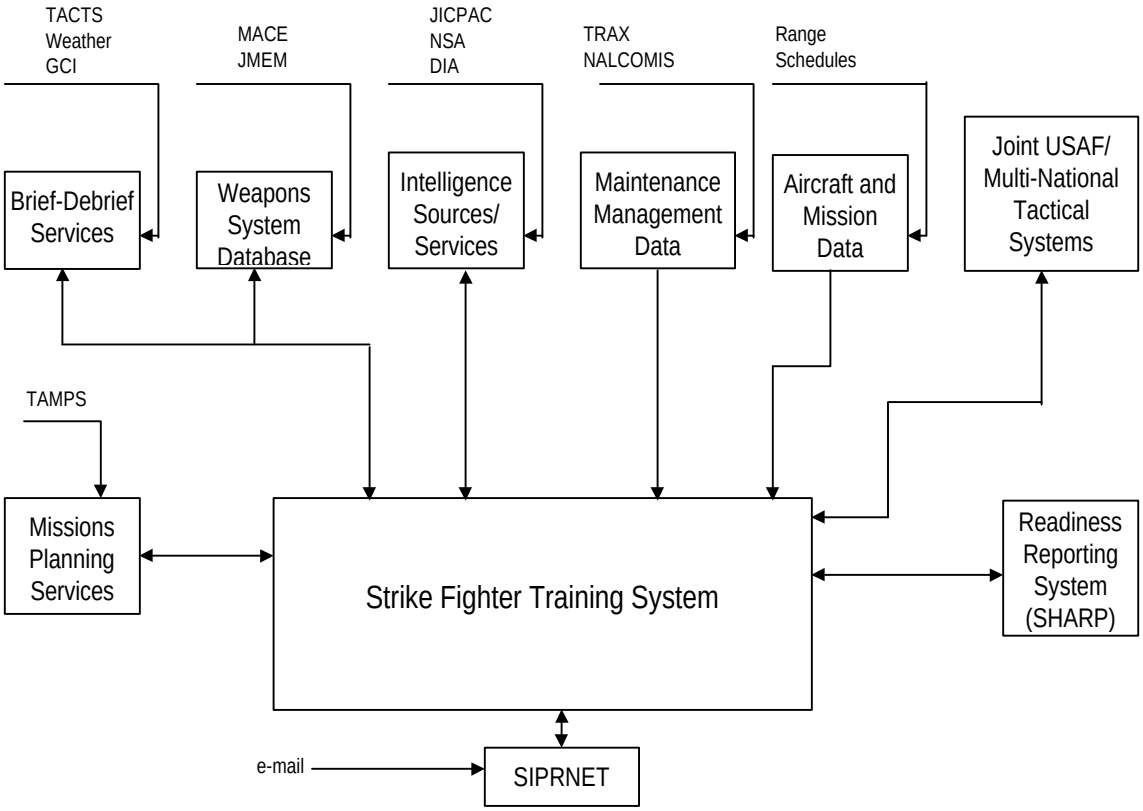
NOMENCLATURE	PORTABLE SEAT (LAPTOP)
CPU	Pentium III, 750MHz, 128MB/100MHz SDRAM, 6GB HD, 3.5” Floppy, 24X/10X Variable CD, 56K Modem, Integrated 3Com NIC, Battery, Case
Monitor	14.1” XGA Active X / 17” Color (16” Viewable)
Keyboard-Mouse	Standard
Software	Windows 2000, MS Office 2000 Professional, MS Exchange/ Outlook, Smart Card Support, NetMeeting 3.0, Norton A/V, Internet Explorer 5.0, Quicktime 4.1, Shockwave 8.0, Flash 4.0, Adobe Acrobat Viewer, WinZip

NOMENCLATURE	LAPTOP WEB SERVER
CPU	Pentium III, 700MHz, 256MB/100MHz SDRAM, 18GB HD, 3.5” Floppy, 40X CD, 56K Modem, Integrated 3Com 10/100 NIC, Battery, AC/DC Power Adapter
Monitor	14.1” XGA Active X Color
Keyboard-Mouse	Standard
Software	Windows NT 4.0 Server with SP 6A, MS Office 2000 Professional, Cold Fusion 4.0, Sybase ASA 6.0, Norton A/V, Internet Explorer 5.5, Quicktime 4.1, Shockwave 8.0, Flash 4.0, Adobe Acrobat Viewer, WinZip, Windows NT Option Pack, Unicenter TNG Framework

NOMENCLATURE	WEB SERVER
CPU	Dual Pentium III, 550MHz with 512K Cache, 256MB/100MHz SDRAM, 6-18.2GB and 2-9.1GB HDs, 40XCD, 3.5” Floppy, 10/100 Network Card; DLT Backup Tape Drive
Monitor	15” Color
Keyboard-Mouse	Standard
Software	Windows NT 4.0 Server with SP 6A, ArcServe for NT Working Group, Cold Fusion 4.0, PkWare, Sybase ASA 6.0, Norton A/V, Internet Explorer 5.0, Quicktime 4.1, Shockwave 8.0, Flash 4.0, Adobe Acrobat Viewer, WinZip, Windows NT Option Pack, Unicenter TNG Framework

3. New Development Introduction. The SFTP is a new program designed to standardize the current fleet training requirements and qualification standards at NSAWC, fleet squadrons, and the TWWSs. Introduction of SFTIs to the fleet began in third quarter Fiscal Year (FY) 95 and training of new SFTIs will continue indefinitely. Introduction of the simulator and flight portions of the SFWT syllabus began in fourth quarter FY95. The academic portion of the SFWT syllabus will be introduced to the fleet in second quarter FY02. The SFWT syllabus consist of level II, III, and IV simulator and flight events, and level II academics (ICW, CAI, and tests). Completion of the level II academics contract is expected sometime during the third quarter FY02. Revision and Upgrades to the first delivered syllabi will begin at that time. The first installation of SFTS equipment to NSAWC and the Strike Fighter Weapons Schools was completed by A&T in June 1998. The original server-based equipment was replaced with web-based equipment by BAH in March 1999. SIPERNET access has been installed at Naval Air Station (NAS) Oceana, Virginia, and NAS Fallon, Nevada, and is currently being installed at NAS Lemoore, California.

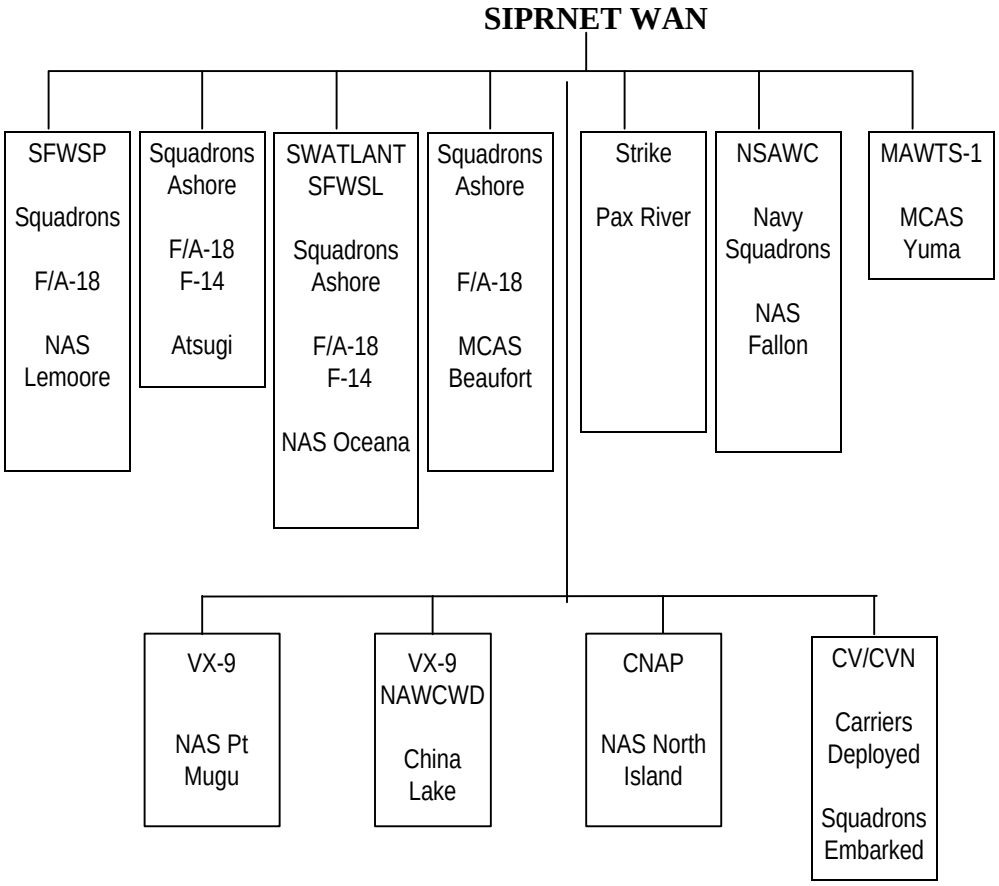
4. Significant Interfaces. The SFTP is a new program that introduces SFTS, which is a comprehensive, web-based training management tool designed to provide Strike Fighter aircrew with a single source of training information. SFTP will serve as the benchmark or prototype program for all other programs developed for the ACTC. SFTP requires SFTS compliance with internet protocols, Intelligence Services, Maintenance Management Data, Weapon System Databases, Brief-Debrief Services, Aircraft and Mission Planning Services, and Joint United States Air Force/Multi-National Tactical Systems through use of the LAN and SIPERNET WAN to reach full operating potential. This infrastructure is necessary if realistic F/A-18 and F-14 mission planning and training functions are to be achieved. The relationship of each interface to SFTS is illustrated below:



SFTS INTERFACE RELATIONSHIPS

a. Local Area Network. The SFTS LAN uses a network encryption device for secure and unsecure modes to protect from external sources and features IT21 high-speed fiber optics technology. A System LAN Administrator provided by NMCI, Government Service, Contractor, or Military Automated Information Specialist will be required at NSAWC, SFWSP, and SFWSL to maintain the government LAN.

b. Secret Internet Protocol Router Network Wide Area Network. The SIPERNET WAN will be used for secure modes to protect from external sources. SIPERNET WAN will link to NSAWC, F-14 and F/A-18 squadrons, Strike Fighter Weapons Schools, and CV/CVNs as illustrated below:



SIPRNET WAN LINK

5. New Features, Configurations, or Material. NA

H. CONCEPTS

1. Operational Concept. Funding for the SFTP is provided by CNO N789 and managed by NAVAIRSYSCOM PMA205 during program development. In second quarter FY02, the TYCOMs and NSAWC will assume operation and support of the program.

The ESC is responsible for SFTP oversight, providing executive level management and requirements/policy decision making for major SFTP issues. The PAG advises the ESC in these matters. NSAWC and the TYCOMs provide daily oversight and execution of the SFTP.

The SFTIs at NSAWC, SFWSL, SFWSP, and fleet squadrons will have the ability to deliver training, schedule squadron and/or unit events, generate aircrew qualification reports, and track aircrew certification and training 24 hours a day, whether ashore or afloat.

2. Maintenance Concept

a. Organizational Maintenance. NMCI, command, or base Automated Information Specialist personnel will perform organizational level maintenance on SFTS hardware. Organizational level maintenance is defined as the removal and replacement of Lowest Replaceable Units (LRU) at the equipment level (i.e., CPU, monitor, keyboard, printer, etc.).

BAH will assist or will perform organizational level maintenance during the warranty period (approximately two years).

Government Service or contractor personnel will be located at all Strike Fighter locations to load courseware, assist SFTIs with account maintenance security, and monitor the overall status of the local server. The Software Database Administrator will monitor the overall status of all SFTS servers, including those afloat and at forward-deployed stations, and perform preventive and corrective maintenance. CVs and CVNs afloat will have an Information Technology Specialist (IT) that should be familiar with the SOP provided during the installation. Attention should be focused on familiarity with the database and replication configuration and routines. An adequately trained IT with experience or training in System Administration skills for NT, IIS, and database administration will be able to handle most if not all discrepancies with the SFTS server.

(1) Preventive Maintenance. Preventive maintenance actions will consist of scheduled system backups, periodic defragmentation of disk drives, and general cleaning.

(2) Corrective Maintenance. Corrective maintenance will consist of replacing failed LRUs and rebuilding corrupted files.

b. Intermediate. NA

c. Depot. Depot level repair of SFTS will be conducted by NMCI or Automated Information Specialist personnel.

d. Interim Maintenance. BAH will provide the interim maintenance for the SFTS hardware and associated SFOL during the warranty period (approximately two years), ending in fourth quarter FY02.

e. Life Cycle Maintenance Plan. Components will be repaired or replaced as they fail. Life cycle maintenance is not currently planned.

3. Manning Concept. The SFTP has no impact on existing manpower requirements for F-14 and F/A-18 communities. NSAWC, F-14 and F/A-18 squadrons, and Strike Fighter Weapons Schools have SFTIs for their activity. "DB1" is the Additional Qualification Designator (AQD) for an SFTI. The SFTIs will conduct training, schedule squadron and unit events, generate aircrew qualification status reports, and track aircrew certification and training. Additionally, SFTIs at NSAWC will continually monitor training materials for accuracy and currency.

NSAWC is responsible for training SFTIs. The following are requirements to attend the SFTI courses:

- Endorsement by Commanding Officer, Air Wing Commander, or Type Wing Commander with emphasis on leadership, tactical ability, aviation skills, and instructing capability.
- Selection by Type Wing selection board, which will convene prior to class convening dates.
- Acknowledging acceptance to the SFTI course requires a 24-month active duty sea duty obligation after completion of a shore duty assignment at NSAWC, TWWS, FRS, or Air Test Squadron and after completion of the SFTI course.

4. Training Concept. NSAWC provides follow-on training. SFTIs serve as the cornerstone of the SFWT program and are responsible for conducting training, generating aircrew qualification reports, and tracking aircrew certification and training at their sites. SFTIs develop and retain expert knowledge and core competencies and maintain program continuity. SFTIs at NSAWC and the Type Wings are Subject Matter Experts (SME), who are the hub for weapons and tactical information flow to and from fleet SFTIs.

The SFWT syllabus provides FRS, TWWS, and aircrews standardized, graduate level training and certification. The SFWT syllabus includes formalized academics, simulators, and flights. Simulator and flight events will be representative of those listed in the community Training and Readiness Matrix (T&RM), and are not additional events beyond those listed in the T&RM. The SFWT syllabus also has external standardization evaluation within a five-tiered approach.

- Level I .....FRS Complete
- Level II.....Combat Wingman
- Level III.....Combat Section Lead
- Level IV.....Combat Division Lead
- Level V.....SFTI Designation

SFTIs will maintain training records for all aircrew members at their respective squadrons on SFTS. These records are kept as part of the SFOL database and will be used to track the following information:

- Qualification
- Academic Completions
- Open and Closed Book Examinations
- Trainer and Flight Event Grade Sheets
- Certifications
- Unsatisfactory Events
- External Standard Evaluations
- Level 2, 3, and 4 Wing Recommendations

- Individual and Unit Level Training Readiness

a. Initial Hardware Training. The Naval Research and Development (NRaD) Division of the Naval Command, Control and Oceanographic System Center (NCCOSC), was funded by PMA205 to produce an SFTS Courseware Style Guide. This action ensured the standardization of courseware during the development process. Analysis and Technology, Inc. provided initial server-based SFTS training for System Administrators at NSAWC and at all Strike Fighter Weapons Schools from May to June 1998. The initial training length varied, depending on the level of experience of the System Administrators and was recorded as follows: NSAWC (three days), SFWSP (one and a one half days), SFWSL (one and one half days), and SWATSLANT (ten days). BAH began initial web-server and TMS training at NSAWC during third quarter FY00.

b. Follow on Training. The SFTI course is an existing course with CNO approval. A Course Identification Number (CIN) does not apply.

(1) Operator

Title	**TOPGUN Strike Fighter Tactics Instructor (Navy)**
CIN	NA
Model Manager ..	NSAWC
Description	This course provides standardized training to Navy F-18A/C/E Pilots, F/A-18F Pilots and WSOs, and F-14 Pilots and Naval Flight Officers in the knowledge and skills required to perform as a SFTI in the fleet and at the Strike Fighter Weapons Schools.
Location	NSAWC, NAS Fallon
Length	68 days
Skill identifier	Designator 1310 or 1320
TTE/TD	Squadron supplied F-14 and F/A-18 aircraft as applicable
Prerequisites	Qualified F/A-18 Pilot/WSO or F-14 Pilot/RIO

c. Student Profiles

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
F-14 Pilot 1310	° E-2D-0032, Survival, Evasion, Resistance, and Escape Training ° J-495-0413, Shipboard Aircraft Firefighting ° Q-2A-0010, Joint T-34C Intermediate Flight Training ° Q-2A-0001, Primary Flight Training ° Q-2A-0007, T45 Total System (TS) Strike Flight Training Curriculum ° Q-2A-0006, Advanced Strike ° D-2A-1601 F-14 Pilot Category 1
F/A-18A/C/E Pilot 1310	° E-2D-0032, Survival, Evasion, Resistance, and Escape Training ° J-495-0413, Shipboard Aircraft Firefighting ° Q-2A-0010, Joint T-34C Intermediate Flight Training ° Q-2A-0001, Primary Flight Training ° Q-2A-0007, T45 Total System (TS) Strike Flight Training Curriculum ° Q-2A-0006, Advanced Strike ° D/E-2A-0610, F/A-18 Fleet Replacement Pilot Category 1 Pipeline
F-14 RIO 1320	° E-2D-0032, Survival, Evasion, Resistance, and Escape Training ° J-495-0413, Shipboard Aircraft Firefighting ° Q-9B-0020, Preflight ° Q-2D-0012, Primary Student Naval Flight Officer and Navigator Training ° Q-2D-0027, Intermediate Student Naval Flight Officer/Navigator Training ° Q-2A-0006, Advanced Strike ° D-2D-1601, F-14 Naval Flight Officer Category 1

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
F/A-18F WSO 1320	° E-2D-0032, Survival, Evasion, Resistance, and Escape Training ° J-495-0413, Shipboard Aircraft Firefighting ° Q-9B-0020, Preflight ° Q-2D-0012, Primary Student Naval Flight Officer and Navigator Training ° Q-2D-0027, Intermediate Student Naval Flight Officer/Navigator Training ° Q-2A-0006, Advanced Strike ° E-2D-181X, F/A-18F Combat Capable Weapons Sensor Officer Training Category 1

d. Pipeline Training. The F-14 and F/A-18 pipeline training tracks are not affected by this program.

I. ONBOARD (IN-SERVICE) TRAINING

1. Proficiency or Other Training Organic to the New Development. SFTS is an onboard proficiency Computer Web Based system that utilizes various interface services accessible at each workstation and available at each site. SFTIs will use the SFTS program at each site to manage the SFTP and ensure the development of highly trained aircrews.

a. Maintenance Training Improvement Program. NA

b. Aviation Maintenance In-Service Training. NA

2. Personnel Qualification Standards. NA

3. Other Onboard or In-Service Training Packages. NA

J. LOGISTICS SUPPORT

1. Manufacturer and Contract Numbers. Analysis and Technology, Inc. was contracted in 1998 to install, maintain, and provide initial training on the SFTS file-based servers at NSAWC, SFWSP, SFWSL, and SWATSLANT. In March 1999, Booz-Allen & Hamilton was awarded a contract to develop the SFTS TMS, procure and install web-servers at 14 shore sites and 12 CV/CVN sites, and provide initial training. In March 1999, Logistic Services International was awarded a contract to develop approximately 80 hours of ICW and 120 hours of CAI, which was based upon the SFWT Level II syllabi for F/A-18 and F-14 aircrews.

CONTRACT NUMBER	MANUFACTURER	ADDRESS
N66604-95-D-0047-0112	Analysis and Technology, Inc.	2650 Camino Del Rio North # 201 San Diego, CA 92108
N0001999RXBS88A	Booz-Allen & Hamilton, Inc.	1615 Murray Canyon Road Suite 800 San Diego, CA 92108
N0001999RXBS87A	Logistics Services International	6200 Lake Gray Boulevard Jacksonville, FL 32244-5896

2. Program Documentation. Program documentation includes:

- CINCUSNAVEUR, CINCPACFLT, and CINCLANTFLT Draft MNSs, November 1995
- Strike Fighter Training Program Technical Report, N00421-95-D-1001, approved September 1997
- Commander, Naval Air Force U.S. Pacific Fleet Functional Requirements Document (FRD) Version 2.0, April 1996
- Commander, Naval Air Force U.S. Pacific Fleet Project Implementation Plan (PIP) Draft Version 1.1, May 1996
- Joint COMNAVAIRPACINST/COMNAVAIRLANTINST1525.1B/ COMNAVSTKAIRWARCENINST 1542.3B/COMNAVAIRESFORINST 1542.3B, 10 February 1998
- F-14 NTSP, N88-A-50-8511C/A, approved February 2002
- F/A-18 Draft NTSP, N88-NTSP-A-50-7703H/A, approved January 2002
- Strike Fighter Training System, Training Management System Functional Requirements Document (FRD), July 1999.

3. Technical Data Plan. F-14 and F/A-18 aircrew use the F-14 and F/A-18 Naval Air Training and Operating Procedures Standardization (NATOPS) manual they are issued and the instructions listed in element IV.B.3.

4. Test Sets, Tools, and Test Equipment. NA

5. Repair Parts. SFTS is composed of COTS hardware and software that support delivery, training management, and administration requirements. The maintenance and repair of the SFTS will be performed by BAH during the warranty period of one year, funded by PMA205.

After the expiration of the warranty period, maintenance and repair cost will be funded through the TYCOMs.

6. Human Systems Integration. NA

K. SCHEDULES

1. Installation and Delivery Schedules. Navy and Marine Corps commands listed below received hardware and software to support the SFTS. MAWTS 1 has the SFTS hardware and software at this time, but the Marine Corp is not involved in the SFTP. If this changes it will be included in updates to this document.

DELIVERY AND INSTALLATION SCHEDULE (HARDWARE AND SOFTWARE)

	FY99				FY00				FY01				FY02			
ACTIVITY QUARTER:	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
NSAWC NAS Fallon								X								
SFWSL NAS Oceana, Attack Squadron (VA)									X							
SFWSP NAS Lemoore									X							
SWATSLANT NAS Oceana									X							
NAS Patuxent River (STRIKE)												X				
NAS North Island (CNAP)												X				
NAS Pt. Mugu (VX-9) (TBD)																
NAWCWD China Lake													X			
MAWTS-1, Yuma											X					
Naval Air Facility (NAF) Atsugi, Japan										X						
CV 63 USS Kitty Hawk										X						
CV 64 USS Constellation										X						
CVN 65 USS Enterprise											X					
CV 67 USS John F. Kennedy												X				
CVN 68 USS Nimitz													X			
CVN 69 USS Dwight D. Eisenhower (TBD)																

	FY99				FY00				FY01				FY02			
ACTIVITY QUARTER:	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
CVN 70 USS Carl Vinson											X					
CVN 71 USS Theodore Roosevelt										X						
CVN 72 USS Abraham Lincoln												X				
CVN 73 USS George Washington													X			
CVN 74 USS John C. Stennis											X					
CVN 75 USS Harry S. Truman												X				
CVN 76 USS Ronald Reagan (TBD)																

The courseware developed by Logistic Services International (LSI) is a mix of ICW and CAI. As each lesson is completed, it is delivered to NSAWC for review. Upon approval by PMA205 and NSAWC, each lesson is placed on the network and considered ready for training. The initial server file-based courseware development began in February 1999 with web-based courseware delivery completed by the end of first quarter FY02.

DELIVERY AND INSTALLATION SCHEDULE (COURSEWARE)

	FY99				FY00				FY01				FY02			
COURSEWARE QUARTER:	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
Interactive Courseware			X	X	X	X	X	X	X	X	X	X	X			
Computer Aided Instruction			X	X	X	X	X	X	X	X	X	X	X			

2. Ready For Operational Use Schedule. Installation of hardware and software will be required at NSAWC, SFWSP, SFWSL, SWATSLANT, CVs, and CVNs. SFTS will be ready for operational use upon completion of installation.

3. Time Required to Install at Operational Sites. Hardware installation time varies, depending on currently existing hardware at each activity.

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

5. Training Device and Technical Training Equipment Delivery Schedule. Refer to Part IV, element IV.A.1 for applicable Technical Training Equipment (TTE). There are no Training Devices (TD) associated with SFTS.

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

M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS

DOCUMENT OR NTSP TITLE	DOCUMENT OR NTSP NUMBER	PDA CODE	STATUS
Functional Requirements Document Version 2.0	NA	COMNAVAIRPAC	Approved Apr 96
Project Implementation Plan Draft Version 1.1	NA	COMNAVAIRPAC	Approved May 96
Strike Fighter Training System, Training Management System Functional Requirements Document	NA	PMA205	Approved Jul 99
Strike Fighter Training Program Instruction	COMNAVAIRPAC INST 1525.1B COMNAVAIRLANT INST 1525.1B COMNAVAIRESFOR INST 1542.3B COMNAVSTKAIRWAR CENINST 1542.3B	COMNAVAIRPAC COMNAVAIRLANT COMNAVAIRESFOR NSAWC	Signed Feb 98
Strike Fighter Training Program Technical Report	N00421-95-D-1001	PMA205	Approved Sep 97
F-14A/B, Aircraft NTSP	NTSP-A-50-8511C/D	PMA241	Approved Mar 00
F/A-18 Weapon System NTSP	NTSP-A-50-9201H/D	PMA265	Draft Nov 00
Mission Need Statement	NA	CINCUSNAVEUR, CINCPACFLT, and CINCLANTFLT	Draft Nov 95

PART II - BILLET AND PERSONNEL REQUIREMENTS

The following elements are not affected by the Strike Fighter Training Program and therefore, are not included in Part II of this NTSP.

II.A. Billet Requirements

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

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

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

Note 1: The billets listed in Part II are from the Top Gun curriculum to show throughput for the SFTP. This is necessary to view impacted commands in Parts II and III of this NTSP. These are existing billets.

PART II - BILLET AND PERSONNEL REQUIREMENTS

II.A. BILLET REQUIREMENTS

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

SOURCE: Total Force Manpower Management System Activity Manpower Documents **DATE:** 10/1/2001

ACTIVITY, UIC		PFYs	CFY02	FY03	FY04	FY05	FY06
OPERATIONAL ACTIVITIES - NAVY							
VF 101	65552	1	0	0	0	0	0
VF 101 Detachment	47788	1	0	0	0	0	0
VF 102	09717	1	0	0	0	0	0
VF 103	09718	1	0	0	0	0	0
VF 11	09560	1	0	0	0	0	0
VF 14	09084	1	0	0	0	0	0
VF 143	09281	1	0	0	0	0	0
VF 2	09113	1	0	0	0	0	0
VF 211	09086	1	0	0	0	0	0
VF 213	09934	1	0	0	0	0	0
VF 31	09473	1	0	0	0	0	0
VF 32	09053	1	0	0	0	0	0
VF 41	09774	1	0	0	0	0	0
VFA 105	65183	1	0	0	0	0	0
VFA 106	65550	1	0	0	0	0	0
VFA 131	63934	1	0	0	0	0	0
VFA 136	55141	1	0	0	0	0	0
VFA 15	09015	1	0	0	0	0	0
VFA 37	09478	1	0	0	0	0	0
VFA 81	09221	1	0	0	0	0	0
VFA 82	09122	1	0	0	0	0	0
VFA 83	09223	1	0	0	0	0	0
VFA 86	09943	1	0	0	0	0	0
VFA 87	63922	1	0	0	0	0	0
VFA-174	00174	0	0	0	1	0	0
VX 9	55646	1	0	0	0	0	0
VF 154	09678	1	0	0	0	0	0
VFA 113	09092	1	0	0	0	0	0
VFA 115	09604	1	0	0	0	0	0
VFA 122	09355	1	0	0	0	0	0
VFA 125	65559	1	0	0	0	0	0
VFA 137	55142	1	0	0	0	0	0
VFA 146	09063	1	0	0	0	0	0
VFA 147	63925	1	0	0	0	0	0
VFA 151	09558	1	0	0	0	0	0
VFA 192	09076	1	0	0	0	0	0
VFA 195	09706	1	0	0	0	0	0
VFA 22	09561	1	0	0	0	0	0
VFA 25	09637	1	0	0	0	0	0
VFA 27	65185	1	0	0	0	0	0
VFA 94	09295	1	0	0	0	0	0
VFA 97	63923	1	0	0	0	0	0

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

SOURCE: Total Force Manpower Management System Activity Manpower Documents **DATE:** 10/1/2001

ACTIVITY, UIC		PFYs	CFY02	FY03	FY04	FY05	FY06
TOTAL:		41	0	0	1	0	0
OPERATIONAL ACTIVITIES - USMC							
MAWTS 1	55167	1	0	0	0	0	0
TOTAL:		1	0	0	0	0	0
FLEET SUPPORT ACTIVITIES - NAVY							
Strike Fighter Weapons School Atlantic	47084	1	0	0	0	0	0
Strike Weapons and Tactics School Atlantic	47157	1	0	0	0	0	0
NSAWC	69190	1	0	0	0	0	0
Strike Fighter Weapons School Pacific	35185	1	0	0	0	0	0
TOTAL:		4	0	0	0	0	0

Note: The Commands listed in this element will have SFTS installed.

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
OPERATIONAL ACTIVITIES - NAVY					
VF 101, 65552					
ACDU	1	0	1310		
	1	0	1320		
ACTIVITY TOTAL:	2	0			
VF 101 Detachment, 47788					
ACDU	1	0	1310		
	1	0	1320		
ACTIVITY TOTAL:	2	0			
VF 102, 09717					
ACDU	1	0	1310		
	1	0	1320		
ACTIVITY TOTAL:	2	0			
VF 103, 09718					
ACDU	1	0	1310		
	1	0	1320		
ACTIVITY TOTAL:	2	0			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
VF 11, 09560					
ACDU	1	0	1310		
	1	0	1320		
ACTIVITY TOTAL:	2	0			
VF 14, 09084					
ACDU	1	0	1310		
	1	0	1320		
ACTIVITY TOTAL:	2	0			
VF 143, 09281					
ACDU	1	0	1310		
	1	0	1320		
ACTIVITY TOTAL:	2	0			
VF 2, 09113					
ACDU	1	0	1310		
	1	0	1320		
ACTIVITY TOTAL:	2	0			
VF 211, 09086					
ACDU	1	0	1310		
	1	0	1320		
ACTIVITY TOTAL:	2	0			
VF 213, 09934					
ACDU	1	0	1310		
	1	0	1320		
ACTIVITY TOTAL:	2	0			
VF 31, 09473					
ACDU	1	0	1310		
	1	0	1320		
ACTIVITY TOTAL:	2	0			
VF 32, 09053					
ACDU	1	0	1310		
	1	0	1320		
ACTIVITY TOTAL:	2	0			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
VF 41, 09774					
ACDU	1	0	1310		
	1	0	1320		
ACTIVITY TOTAL:	2	0			
VFA 105, 65183					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			
VFA 106, 65550					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			
VFA 131, 63934					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			
VFA 136, 55141					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			
VFA 15, 09015					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			
VFA 37, 09478					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			
VFA 81, 09221					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			
VFA 82, 09122					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
VFA 83, 09223					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			
VFA 86, 09943					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			
VFA 87, 63922					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			
VFA-174, 00174, FY04 Increment					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			
VX 9, 55646					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			
VF 154, 09678					
ACDU	1	0	1310		
	1	0	1320		
ACTIVITY TOTAL:	2	0			
VFA 113, 09092					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			
VFA 115, 09604					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			
VFA 122, 09355					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
VFA 125, 65559					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			
VFA 137, 55142					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			
VFA 146, 09063					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			
VFA 147, 63925					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			
VFA 151, 09558					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			
VFA 192, 09076					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			
VFA 195, 09706					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			
VFA 22, 09561					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			
VFA 25, 09637					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
VFA 27, 65185					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			
VFA 94, 09295					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			
VFA 97, 63923					
ACDU	1	0	1310		
ACTIVITY TOTAL:	1	0			
FLEET SUPPORT ACTIVITIES - NAVY					
Strike Fighter Weapons School Atlantic, 47084					
ACDU	1	0	1310		
	10	0	1312		
ACTIVITY TOTAL:	11	0			
Strike Weapons and Tactics School Atlantic, 47157					
ACDU	13	0	1302		
	5	0	1310		
	1	0	1320		
	11	0	1322		
ACTIVITY TOTAL:	30	0			
Strike Fighter Weapons School Pacific, 35185					
ACDU	1	0	1310		
	15	0	1312		
	3	0	1322		
ACTIVITY TOTAL:	19	0			

Note: The Commands listed in this element will have SFTIs assigned.

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY02 OFF	CFY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL	FY06 OFF	FY06 ENL
NAVY OPERATIONAL ACTIVITIES - ACDU													
1310		41		0		0		1		0		0	
1320		14		0		0		0		0		0	
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
1302		13		0		0		0		0		0	
1310		7		0		0		0		0		0	
1312		25		0		0		0		0		0	
1320		1		0		0		0		0		0	
1322		14		0		0		0		0		0	
SUMMARY TOTALS:													
NAVY OPERATIONAL ACTIVITIES - ACDU													
		55		0		0		1		0		0	
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
		60		0		0		0		0		0	
GRAND TOTALS:													
NAVY - ACDU													
		115		0		0		1		0		0	

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

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY02 OFF	CFY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL	FY06 OFF	FY06 ENL
TRAINING ACTIVITY, LOCATION, UIC: Naval Strike and Air Warfare Center (TOPGUN), NAS Fallon, 69190													
INSTRUCTOR BILLETS													
ACDU													
	1310	23	0	23	0	23	0	23	0	23	0	23	0
TOTAL:		23	0	23	0	23	0	23	0	23	0	23	0

II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs OFF	PFYs ENL	CFY02 OFF	CFY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL	FY06 OFF	FY06 ENL
Naval Strike and Air Warfare Center (TOPGUN), NAS Fallon, 69190													
	NAVY	0.0		0.0		0.0		0.0		0.0		0.0	
SUMMARY TOTALS:													
	NAVY	0.0		0.0		0.0		0.0		0.0		0.0	
GRAND TOTALS:													
		0.0		0.0		0.0		0.0		0.0		0.0	

Note: SFTIs will not be chargeable.

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY02 +/-	CFY02 CUM	FY03 +/-	FY03 CUM	FY04 +/-	FY04 CUM	FY05 +/-	FY05 CUM	FY06 +/-	FY06 CUM
a. OFFICER - USN													
Operational Billets ACDU and TAR													
1310			41	0	41	0	41	1	42	0	42	0	42
1320			14	0	14	0	14	0	14	0	14	0	14
Fleet Support Billets ACDU and TAR													
1302			13	0	13	0	13	0	13	0	13	0	13
1310			7	0	7	0	7	0	7	0	7	0	7
1312			25	0	25	0	25	0	25	0	25	0	25
1320			1	0	1	0	1	0	1	0	1	0	1
1322			14	0	14	0	14	0	14	0	14	0	14
Staff Billets ACDU and TAR													
1310			23	0	23	0	23	0	23	0	23	0	23
TOTAL USN OFFICER BILLETS:													
Operational			55	0	55	0	55	1	56	0	56	0	56
Fleet Support			60	0	60	0	60	0	60	0	60	0	60
Staff			23	0	23	0	23	0	23	0	23	0	23

b. ENLISTED - USN Not Applicable

c. OFFICER - USMC Not Applicable

d. ENLISTED - USMC Not Applicable

II.B. PERSONNEL REQUIREMENTS

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: (CIN is Not Applicable) TOPGUN Strike Fighter Tactics Instructor (Navy)
COURSE LENGTH: 10.0 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 0% USMC: 0% **BACKOUT FACTOR:** 0.20

TRAINING		ACDU/TAR	CFY02		FY03		FY04		FY05		FY06	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
Naval Strike and Air Warfare Center (TOPGUN), NAS Fallon												
	NAVY	ACDU	38		39		39		39		39	
		TOTAL:	38		39		39		39		39	

PART III - TRAINING REQUIREMENTS

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

III.A. Training Course Requirements

III.A.1. Initial Training Requirements

III.A.2. Follow-on Training

III.A.2.b. Planned Courses

III.A.2.c. Unique Courses

III.A.3. Existing Training Phased Out

III.A.2. FOLLOW-ON TRAINING

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: (CIN is NA) TOPGUN Strike Fighter Tactics Instructor (Navy)
TRAINING ACTIVITY: Naval Strike and Air Warfare Center (TOPGUN)
LOCATION, UIC: NAS Fallon, 69190

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

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
32		32		32		32		32		ATIR
32		32		32		32		32		Output
6.0		6.0		6.0		6.0		6.0		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

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

IV.A. Training Hardware

- IV.A.2. Training Devices

IV.B. Courseware Requirements

- IV.B.1. Training Services

IV.C. Facility Requirements

- IV.C.1. Facility Requirements Summary (Space / Support) By Activity
- IV.C.2. Facility Requirements Detailed By Activity and Course
- IV.C.3. Facility Project Summary by Program

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

IV.A. TRAINING HARDWARE

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

CIN, COURSE TITLE: (CIN is NA) TOPGUN Strike Fighter Tactics Instructor (Navy)
TRAINING ACTIVITY: Naval Strike and Air Warfare Center (TOPGUN)
LOCATION, UIC: NAS Fallon, 69190

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
001	Desktop Workstation	12	May 98	GFE	Onboard
002	Development Station	4	May 98	GFE	Onboard
003	Laptop	1	May 98	GFE	Onboard
004	Projectors	2	May 98	GFE	Onboard

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

CIN, COURSE TITLE: (CIN is NA) TOPGUN Strike Fighter Tactics Instructor (Navy)
TRAINING ACTIVITY: Naval Strike and Air Warfare Center (TOPGUN)
LOCATION, UIC: NAS Fallon, 69190

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Computer Aided Instructions	1	Sep 98	Onboard
Course Outline	1	Jul 95	Onboard
Instructor Guide	1	Jul 95	Onboard
Interactive Courseware Lectures	1	Sep 01	Pending
Student Guides	1	Jul 95	Onboard

Note: The Course Outline, Instructor Guide, and Student Guides are saved on a computer and printed as needed.

IV.B.3. TECHNICAL MANUALS

CIN, COURSE TITLE: (CIN is NA) TOPGUN Strike Fighter Tactics Instructor (Navy)
TRAINING ACTIVITY: Naval Strike and Air Warfare Center (TOPGUN)
LOCATION, UIC: NAS Fallon, 69190

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
COMNAVAIRPACINST 1525.1A / COMNAVAIRLANTINST 1525.1A / COMNAVAIRRESFORINST 1542.3A, Strike Fighter Tactics Instructor and Strike Fighter Weapons and Tactics Program	Hard copy	1	Jul 95	Onboard

PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
TSA	Began SFTI Follow-On Training	Jul 95	Completed
TSA	Delivered Curricula Materials	Jul 95	Completed
PDA	Conducted Analysis of MPT Requirements	Apr 98	Completed
TSA	Developed Draft NTSP	Apr 98	Completed
TSA	Began SFTS Initial Training	Aug 98	Completed
TSA	Delivered TTE	Aug 98	Completed
TSA	Installed TTE	Aug 98	Completed
OPTEVFOR	Conducted TECHEVAL	Apr 00	Completed
OPTEVFOR	Conducted OPEVAL	Jul 00	Completed
PDA	Began Initial Fleet Introduction	Mar 01	Completed
TSA	Deliver and Install Courseware	Oct 01	Ongoing
TSA	Developed Proposed NTSP	Feb 02	Completed

PART VI - ACTION ITEMS / ACTION REQUIRED

ACTION ITEM OR ACTION REQUIRED	COMMAND ACTION	DUE DATE	STATUS
None			

PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
CAPT William Kordis Head, Aviation Training Resources and Tactical Training Range CNO, N789F kordis.william@hq.navy.mil	**COMM:** (703) 604-7763 **DSN:** 664-7763 **FAX:** (703) 604-6969
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PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
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PART VII - POINTS OF CONTACT

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