NAVY TRAINING SYSTEM PLAN

FOR THE

AN/SPN-35C AIRCRAFT CONTROL

APPROACH CENTRAL

N88-NTSP-A-50-9908/A

JULY 2001

AN/SPN-35C AIRCRAFT CONTROL APPROACH CENTRAL

EXECUTIVE SUMMARY

The AN/SPN-35C Aircraft Control Approach Central is an upgrade to the current AN/SPN-35B. The AN/SPN-35B is deployed on the Amphibious Assault (LH) type ships to provide course and glide slope talk-down guidance to Navy and Marine Corps aircraft. The ship's air controller, using the AN/SPN-35B radar set, provides verbal direction to the aircraft's pilot. The pilot uses this direction in addition to guidance provided by a Vertical/Short Take-off and Landing, Optical Landing System and the AN/SPN-41A Instrument Carrier Landing System for precision landing operations. The AN/SPN-35C upgrade requirements are to simplify maintenance and radar operations and improve reliability, maintainability, and system performance. These requirements will be met by replacing the antenna drive reducers and motors, antenna actuators, syncros, radar-set control, control-indicator selector, antenna control circuits, transmitter, receiver, and display consoles. Additional system performance improvements will be made by adding Moving Target Detection (MTD), Track While Scan (TWS) capabilities, and Built-In Test (BIT) capabilities. The MTD capability will improve the performance of the AN/SPN-35C when operating in rain at rates up to 16 millimeters per hour and at ranges to 10 nautical miles. The TWS will provide an additional capability for recovering AV-8Bs during the transition from forward flight to hover. The AN/SPN-35 program is in Phase III (Production, Deployment, and Operational Support) of the Weapon System Acquisition Process. Initial Operating Capability of the AN/SPN-35C is planned for Fiscal Year 2003.

The AN/SPN-35C will not impact current manning onboard LH type ships. Personnel currently assigned to ships that operate and maintain the AN/SPN-35B will operate and maintain the AN/SPN-35C. The AN/SPN-35C will be operated by Air Traffic Controllers (AC) with Naval Enlisted Classification (NEC) 6903 assigned to the Amphibious Air Traffic Control Center. The AN/SPN-35C will not require any changes to the operational concept.

The maintenance concept for the AN/SPN-35C is based on two levels of maintenance, organizational and depot. No intermediate level maintenance is required. The upgrade to the AN/SPN-35C configuration will not cause any change to the current maintenance concept. The Electronics Technician (ET) rating with NEC 9602 will maintain the AN/SPN-35C.

Initial and follow-on training will be required for AN/SPN-35C operators and maintainers. The In-Service Engineering Agent (ISEA), Naval Air Warfare Center Aircraft Division (NAWCAD) St. Inigoes, Maryland, will provide initial training, and Naval Air Technical Training Center (NATTC) Pensacola, Florida, will provide follow-on training. NATTC Pensacola will develop the curricula for the operator courses with technical assistance provided by ISEA, NAWCAD St. Inigoes. NAWCAD will develop the curricula for the maintainer course with assistance provided by NATTC Pensacola.

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LIST OF ACRONYMS

AATCC	Amphibious Air Traffic Control Center
AC	Air Traffic Controller
AOB	Average Onboard
ATIR	Annual Training Input Requirement
BIT	Built-In Test
CM	Corrective Maintenance
CNO	Chief of Naval Operations
ET	Electronics Technician
GPETE	General Purpose Electronic Test Equipment
ISEA	In-Service Engineering Agent
LH	Amphibious Assault
LRU	Line Replaceable Units
MPT	Manpower, Personnel, and Training
MRC	Maintenance Requirement Card
MTD	Moving Target Detection
NAWCAD	Naval Air Warfare Center Aircraft Division
NATTC	Naval Air Technical Training Center
NEC	Navy Enlisted Classification
NTSP	Navy Training System Plan
OPO	OPNAV Principal Official
PM	Preventive Maintenance
RFT	Ready For Training
SPETE	Special Purpose Electronic Test Equipment
TD	Training Device
TFMMS	Total Force Manpower Management System

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LIST OF ACRONYMS

TTE   Technical Training Equipment
TWS   Track While Scan

AN/SPN-35C AIRCRAFT CONTROL APPROACH CENTRAL

PREFACE

This Approved Navy Training System Plan (NTSP) for the AN/SPN-35C Aircraft Control Approach Central was prepared as part of the NTSP update process within guidelines set forth in Navy Training Requirements Documentation Manual Office of the Chief of Naval Operations (OPNAV) Publication P-751-1-9-97. This NTSP reflects changes that have occurred since the AN/SPN-35C Draft NTSP, N88-NTSP-A-50-9908/D, dated November 1999. The major changes to this NTSP version consist of the following:

- Adds C-222-2020, Amphibious Air Traffic Control Team Training course

- Lists St. Inigoes as a Non-Traditional Training Site for AN/SPN-35C maintenance training from May 2002 until May 2004

- Establishes the Ready For Training (RFT) date for AN/SPN-35C Operator training based on the AN/SPN-35C being installed on 50 percent of Amphibious Assault (LH) type ships

PART I - TECHNICAL PROGRAM DATA

A. NOMENCLATURE-TITLE-PROGRAM

1. Nomenclature-Title-Acronym. AN/SPN-35C, Aircraft Control Approach Central

2. Program Element. The program funding element has not been identified at this time.

B. SECURITY CLASSIFICATION

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

C. MANPOWER, PERSONNEL, AND TRAINING PRINCIPALS

OPNAV Principal Official (OPO) Program Sponsor.................................. CNO (N785F)

OPO Resource Sponsor .... CNO (N785F)

Developing Agency.. NAVAIRSYSCOM (PMA213)

Training Agency .... CINCLANTFLT
CINCPACFLT
CNET

Training Support Agency.. NAVAIRSYSCOM (PMA205)

Manpower and Personnel Mission Sponsor .... CNO (N12)
NAVPERSCOM (PERS-4, PERS-404, PERS-406)

Director of Naval Training .... CNO (N7)

D. SYSTEM DESCRIPTION

1. Operational Uses. The AN/SPN-35C Aircraft Control Approach Central is a Precision Approach Radar (PAR) deployed on the LH type ships to provide course and glideslope talkdown guidance to Navy and Marine Corps aircraft. The radar set is used by the ship's air controller to provide verbal guidance to the aircraft pilot. The pilot uses this information in addition to information provided by a Vertical/Short Take-off and Landing, Optical Landing

System and the AN/SPN-41A Instrument Control Landing System for precision landing operations.

      2. Foreign Military Sales. No Foreign Military Sales are planned at this time.

E. DEVELOPMENTAL TEST AND OPERATIONAL TEST. Developmental Test to began in Sept 00 and is scheduled to be completed in Jun 02. Operational Test is scheduled to begin Sept. 02 and be completed in Jul. 03. Naval Air Warfare Center Aircraft Division (NAWCAD) St. Inigoes, Maryland, will conduct full system testing of the AN/SPN-35C at St. Inigoes to verify compliance with specific performance parameter requirements.

F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED. The AN/SPN-35C is an upgrade to the AN/SPN-35B. The upgrade will replace the existing drive reducers and motors, syncros, radar-set control, control-indicator selector, antenna control circuits, transmitter, receiver, and display consoles with all new solid state components designed to extend the life cycle of the current system.

G. DESCRIPTION OF NEW DEVELOPMENT

      1. Functional Description. The AN/SPN-35C will have the same functional requirements of the AN/SPN-35B as well as the following new functional requirements. The new requirements are to simplify maintenance and radar operations and improve reliability, maintainability, and system performance. These requirements will be met by replacing the antenna drive reducers and motors, syncros, radar-set control, control-indicator selector, antenna actuators, antenna control circuits, transmitter, receiver, and display consoles. Additional system performance improvements will be made by adding Moving Target Detection (MTD), Track While Scan (TWS) capabilities, and Built-In Test (BIT) capabilities. The MTD capability will improve the performance of the AN/SPN-35C when operating in rain at rates up to 16 millimeters per hour and at ranges to 10 nautical miles. The TWS will provide an additional capability for recovering AV-8Bs during the transition from forward flight to hover.

      2. Physical Description. The following parameters have been established for the AN/SPN-35C physical characteristic requirements. These requirements have been established to minimize the impact of the upgrade.

NOMENCLATURE	WEIGHT	DIMENSIONS	LOCATION
Radar/Processor Controller	Must weigh less than 75 pounds	19.0"D x 18.7"W x 9.0"H	Radar and Indicator Control Cabinet
Antenna Control Drawer	Must weigh less than 100 pounds	19.0"D x 18.7"W x 9.0"H	Radar and Indicator Control Cabinet

NOMENCLATURE	WEIGHT	DIMENSIONS	LOCATION
Antenna Modification Kit	Must weigh less than 150 pounds	NA	05 level of ship
Receiver	Must weigh less than 50 pounds	18.0"D x 18.0"W x 8.0"H	Receiver-Transmitter Cabinet
Transmitter	Must weigh less than 160 pounds	19.0"Dx17.0"Wx21"H	Receiver-Transmitter Cabinet
Displays	TBD	20.1" diagonal	Helicopter Direction Control

3. New Development Introduction. The AN/SPN-35C will be introduced as an upgrade to the AN/SPN-35B. Installation will take place during shipyard availability periods by the shipyard's alteration installation teams. The AN/SPN-35C will also be installed during production of future LH type ships.

4. Significant Interfaces. The AN/SPN-35C will interface with the ship's power distribution system, pitch and roll gyro data for antenna stabilization, ship's Mute, and Battle Force Tactical Training (BFTT) system.

5. New Features, Configurations, or Material. The AN/SPN-35C introduces the new Radar Processor Controller unit that will provide MTD, BIT, and TWS capabilities to the system. The upgrade will replace the existing antenna drive motors, syncros, radar-set control, control-indicator selector, antenna control circuits, transmitter, receiver, and display consoles with all new solid-state components designed to extend the life cycle of the current system.

H. CONCEPTS

1. Operational Concept. The AN/SPN-35C will be operated, as required, by Air Traffic Controllers (AC) with Naval Enlisted Classification (NEC) 6903 assigned to the Amphibious Air Traffic Control Center (AATCC) during amphibious air operations (launches and recoveries) The AN/SPN-35C will not require any changes to the current operational concept.

2. Maintenance Concept. The maintenance concept for the AN/SPN-35C is based on two levels of maintenance, organizational and depot. No intermediate level of maintenance is required. The upgrade to the AN/SPN-35C configuration will not cause any change to the current maintenance concept.

a. Organizational. Electronics Technician (ET) personnel with NEC 9602 will maintain the AN/SPN-35C. Organizational level maintenance consists of both Preventive Maintenance (PM) and Corrective Maintenance (CM) actions.

(1) Preventive Maintenance. Organizational level PM in support of the AN/SPN-35C will be accomplished per Maintenance Requirement Cards (MRCs) and maintenance manuals prepared for the system. PM consists of inspection, cleaning, lubricating, calibration, and operational checks.

(2) Corrective Maintenance. Organizational level CM in support of the AN/SPN-35C consists of fault isolation to Line Replaceable Units (LRUs) using BIT, Maintenance Assist Modules (MAMs), and General Purpose Electronic Test Equipment (GPETE). CM also includes removal and replacement of faulty LRUs, and operational test to verify repairs.

b. Intermediate. NA

c. Depot. Depot level maintenance consists of repairs to LRUs beyond the capability of organizational maintenance. The depot site for the AN/SPN-35C will be determined at a future date.

d. Interim Maintenance. In-Service Engineering Agents (ISEA) provide technical assistance on an as required basis, from NAWCAD (Code 4.5.8.1.2), St. Inigoes. The Material Support Date for the AN/SPN-35C is scheduled for June 2004. The Navy Support Date is set for approximately six months after the Material Support Date is achieved.

e. Life-Cycle Maintenance Plan. NA

3. Manning Concept. The AN/SPN-35C will not impact current manning onboard LH type ships. Personnel currently assigned to the ships that operate and maintain the AN/SPN-35B will operate and maintain the AN/SPN-35C. Refer to Part II of this NTSP for specific activity manpower requirements.

4. Training Concept. Initial and follow-on training will be required for AN/SPN-35C operators and maintainers. ISEA, NAWCAD St. Inigoes, will provide initial and follow-on training until Naval Air Technical Training Center (NATTC) Pensacola, Florida, assumes follow-on training commencing May 2004. NATTC Pensacola will develop the curricula for the operator courses with technical assistance provided by ISEA, NAWCAD St. Inigoes. NAWCAD will develop the curricula for the maintainer course with assistance provided by NATTC Pensacola. The AN/SPN-35C will be incorporated into existing follow-on courses.

a. Initial Training. ISEA, NAWCAD St. Inigoes, will provide initial instructor and maintainer training at NAWCAD, St. Inigoes, MD in conjunction with AN/SPN-35C installation. This requirement for will exist until NATTC Pensacola begins teaching the follow-on courses. The initial training for shipboard technicians and NATTC instructors is expected to begin during second quarter FY02.

Title	**AN/SPN-35C Initial Operator Training**
Description	This course provides AATCC AC personnel previously trained on the AN/SPN-35B the knowledge and skills necessary to operate the AN/SPN-35C.
Location	° NATTC Pensacola ° LHD 7 Other ships during installation
Length	To Be Determined
RFT date	Second quarter FY01
TTE/TD	° TTE for ships is the installed AN/SPN-35C. ° Training Device (TD) for NATTC is the 15G30 AATCC Trainer (must be modified to replicate AN/SPN-35C operator display/functionality)
Prerequisites	AC 6903

Title	**AN/SPN-35C Initial Maintenance Training**
Description	This course provides AATCC ET personnel previously trained on the AN/SPN-35B the knowledge and skills necessary to operate and maintain the AN/SPN-35C.
Location	NAWCAD St. Inigoes, MD
Length	To Be Determined
RFT date	Second quarter FY01
TTE/TD	TTE: AN/SPN-35C
Prerequisites	ET 9602

   b. Follow-on Training. NATTC Pensacola will update the operator curricula with AN/SPN-35C information. Curricula for the maintainer follow-on course will be developed by ISEA, NAWCAD St. Inigoes/contractor with format technical assistance provided by NATTC Pensacola. The Amphibious Air Traffic Control Center Operations training course for AC personnel will require minor changes and should not cause a change to course length. Maintenance training for the AN/SPN-35C will be included in segment course CIN TBD of pipeline course C-103-2116, and will replace current AN/SPN-35B information. The impact on the course length will be determined during curriculum development and changes will be included in updates of this NTSP. Planned removal of AN/SPN-35B information from the curriculum will be dependent upon the installation of the AN/SPN-35C at NATTC Pensacola. ISEA, NAWCAD

St. Inigoes will be a Non-Traditional Training Site (NTTS) for AN/SPN-35B maintenance and operator training until the upgrade has been completed at the fleet locations.

Title	**Amphibious Air Traffic Control Center Operations**
CIN	C-222-2019
Model Manager ..	NATTC Pensacola
Description	This course provides selected Air Traffic Control personnel with the basic knowledge and skills necessary to perform amphibious air traffic control. This includes:

° Organization and Directives
° Rules, Procedures, and Phraseology
° Watchstation duties and responsibilities in AATCC; Amphibious Air Traffic Control Doctrine
° Departure
° Assault
° Recovery procedures for both Helicopter and V/STOL during Case I, II, and III Operations
° Amphibious Air Traffic Control related equipment including:
  - AATCC Radars
  - DAIR system
  - Status boards
° Internal and external communications including:
  - Indoctrination on the use of the voice activated Advanced Shipboard Air Traffic Control System (ASATS)
  - Overview of training scenarios
  - Voice enrollment
° AATCC lab
  - Performing all watchstations
  - System operations functions under simulated operational conditions

Upon completion, the student will be able to perform as an Amphibious Air Traffic Controller in a shipboard environment with limited supervision.

Location	NATTC Pensacola
Length	40 days
RFT date	Fourth quarter FY04 (at the time AN/SPN-35C is installed on 50% of LH type ships)
Skill identifier	AC 6903

TTE/TD .... TD: 15G30 AATCC Trainer (must be modified to replace AN/SPN-35C operator display/functionality)

Prerequisites .... C-222-2010, Air Traffic Controller

Title .... **Amphibious Air Traffic Control Center Team Training**

CIN C-222-2020

Model Manager .. NATTC Pensacola

Description .... This course provides AATCC/HDC Teams the refresher training necessary to gain and/or retain overall team performance and individual skill proficiency. This includes:
  ° Review of LHA/LPH/LHD NATOPS
  ° AOCC/HDC equipment and watchstations procedures
  ° Amphibious Warfare Exercises listed in the FXP 5
  ° Amphibious Warfare (AMW) and the "Joint Fleet Readiness and Training Manual"
  ° AMW-7-1 (Instrument Approach Procedures for Aircraft Recovery)
  ° AMW-14-1 (Control of Assault Helicopters by HDC/CIC)
  ° AMW-15-1 (Control of Assault Helicopter by HDC/CIC in an EMCON environment)
  ° Indoctrination and voice enrollment on the Voice Activated Advanced Shipboard Air Traffic Control Training System (ASATS), followed by a brief description of AATC DAIR functions
  ° Problem exercises scenarios, simulating conditions of at-sea air operations
  ° Additionally, equipment degradation may also be simulated such as:
      - DAIR/Radar malfunction
      - Loss of communications
      - Gunfire reporting may also be simulated

Location .... NATTC Pensacola

Length .... 12 days

RFT date .... Currently available

Skill identifier ...... AC

TTE/TD .... TD: 15G30 AATCC Trainer (must be modified to replace AN/SPN-35C operator display/functionality)

Prerequisites .... C-222-2010 Air Traffic Controller

Title	**AN/SPN-43C Amphibious Air Traffic Control Radar Maintenance Technician Pipeline**
CIN	C-103-2116
Model Manager ..	NATTC Pensacola
Description	This course provides the theory and technical skills necessary to operate and perform preventive and corrective maintenance on the AN/SPN-35C, AN/SPN-41, and AN/SPN-43C Radar Systems. This includes:

- ° Use and operation of appropriate test equipment
- ° Troubleshooting to the discrete component level and repair
- ° Performing scheduled maintenance as outlined on Maintenance Requirement Cards (MRC)
- ° Antenna System
- ° Receiver-Transmitter
- ° Indicator
- ° Stabilized Pedestal
- ° Alignment and adjustment
- ° Personnel and equipment safety procedures and regulations

Upon completion, the student will be able to perform as an AN/SPN-43C Amphibious Air Traffic Control Radar Maintenance Technician with limited supervision in a shipboard environment.

Location	NATTC Pensacola
Length	138 days
RFT date	October 2004 with AN/SPN-35C incorporated into curriculum
Skill identifier	ET 9602
TTE/TD	TTE: AN/SPN-35C, AN/SPN-43C, and AN/SPN-41
Prerequisites	° A-100-0138, Electronics Technician Core A School ° A-100-0140, Electronics Technician Strand A School

c. Student Profiles

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
AC 6903	° C-222-2010, Air Traffic Controller
ET 9602	° A-100-0138, Electronics Technician Core A School ° A-100-0140, Electronics Technician Strand A School

d. Training Pipelines. No new training pipelines are required to support the AN/SPN-35C.

I. ONBOARD (IN-SERVICE) TRAINING

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

2. Personnel Qualification Standards. The AC personnel assigned to AATCC utilize Operator Personnel Qualification Standards for Amphibious Air Traffic Control, NAVEDTRA 43315-6A, for shipboard training.

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

J. LOGISTICS SUPPORT

1. Manufacturer and Contract Numbers. Individual upgrade components of the AN/SPN-35C will be procured through different manufacturers. The AN/SPN-35C upgrade package and interconnecting hardware will be assembled by NAWCAD St. Inigoes for installation at the field activities.

2. Program Documentation. The Allocated Baseline Description for the AN/SPN-35 System Upgrade, CDRL A003, Revision A, was prepared on 9 June 1999. Technical documentation for User Logistics Support Summary ULSS-ATC-019-REV A, 1 February 1999, is currently in the process of being updated. A new Maintenance Plan for the AN/SPN-35C is currently under development.

3. Technical Data Plan. NAWCAD St. Inigoes is developing Technical Manuals and MRCs for the AN/SPN-35C. Preliminary (not validated) Technical Manuals and MRCs are scheduled for completion in July 2001.

4. Test Sets, Tools, and Test Equipment. The AN/SPN-35C will be maintained with GPETE and common hand tools.

5. Repair Parts. Repair parts will be procured through normal supply channels. The Navy Inventory Control Point, Mechanicsburg, Pennsylvania, will be the primary inventory control point for AN/SPN-35C material. The Material Support Date for AN/SPN-35C is tentatively scheduled for June 2004. Interim support will be provided by the ISEA.

6. Human Systems Integration. NA

K. SCHEDULES

1. Installation and Delivery Schedules. The installation and delivery schedule is subject to change based on ship availability and funding. The table below is the amount of proposed installations based on the current funding. For information on the schedule and updates contact ISEA, NAWCAD St. Inigoes, Code 4.5.8.1.2.

AN/SPN-35C INSTALLATIONS (NUMBER OF SYSTEMS)						
FY01	**FY02**	**FY03**	**FY04**	**FY05**	**FY06**	**FY07**
2 SYS	2 SYS	2 SYS	3 SYS	3 SYS	3 SYS	1 SYS

2. Ready For Operational Use Schedule. The AN/SPN-35C will be ready for operational use following installation at each activity.

3. Time Required to Install at Operational Sites. Installation time for the AN/SPN-35C is expected to take between eight and ten weeks.

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

5. Training Device and Technical Training Equipment Delivery Schedule. The AN/SPN-35B TTE for the maintenance course will be upgraded to the AN/SPN-35C configuration. This upgrade is scheduled for installation at NATTC Pensacola in 2nd Qtr. FY04. ISEA, NAWCAD St. Inigoes, will develop prefaulted and faultable modules for testing and troubleshooting training in the maintenance course. These modules are required to conduct effective maintenance training on the AN/SPN-35C. The TD 15G30 AATCC Trainer used in the AATCC Operations and ATCC Team Training courses will be modified to replicate AN/SPN-35C operator display/functionality. This is scheduled for completion in FY04 when 50% of the LH type ships are equipped with AN/SPN-35C.

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
AN/SPN-35 System Upgrade Allocated Baseline Description	CDRL A003 Revision A	PMA213	Approved Jun 99
AN/SPN-35C Maintenance Plan	TBD, New development	PMA213	Pending
AN/SPN-35B User's Logistic Support Summary	ULSS-ATC-019	PMA213	Approved Feb 99

PART II - BILLET AND PERSONNEL REQUIREMENTS

The following elements are not affected by the AN/SPN-35C 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

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 (TFMMS)   **DATE:**   6/1/99

ACTIVITY, UIC		PFYs	CFY01	FY02	FY03	FY04	FY05
OPERATIONAL ACTIVITIES - NAVY							
LHA 2, USS Saipan	20632	1	0	0	0	0	0
LHA 4, USS Nassau	20725	1	0	0	0	0	0
LHD 1, USS Wasp	21560	1	0	0	0	0	0
LHD 3, USS Kearsarge	21700	1	0	0	0	0	0
LHD 5, USS Bataan	21879	1	0	0	0	0	0
LHD 7, USS Iwo Jima	23027	1	0	0	0	0	0
LHA 1, USS Tarawa	20550	1	0	0	0	0	0
LHA 3, USS Belleau Wood	20633	1	0	0	0	0	0
LHA 5, USS Peleliu	20748	1	0	0	0	0	0
LHD 2, USS Essex	21533	1	0	0	0	0	0
LHD 4, USS Boxer	21808	1	0	0	0	0	0
LHD 6, USS Bonhomme Richard	22202	1	0	0	0	0	0
MCS 12, USS Inchon	20009	1	0	0	0	0	0
TOTAL:		13	0	0	0	0	0
FLEET SUPPORT ACTIVITIES - NAVY							
FTSCLANT Norfolk, Virginia	65912	1	0	0	0	0	0
NAWCAD, St. Inigoes	64485	1	0	0	0	0	0
TOTAL:		2	0	0	0	0	0

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
OPERATIONAL ACTIVITIES - NAVY					
LHA 2, USS Saipan, 20632					
ACDU	0	1	ACC	6903	
	0	1	AC1	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ETC	9602	
	0	1	ET2	9602	1568
	0	1	ET3	9602	1568
ACTIVITY TOTAL:	0	15			
LHA 4, USS Nassau, 20725					
ACDU	0	1	ACC	6903	
	0	1	AC1	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ETC	9602	
	0	1	ET2	9602	1568
	0	1	ET3	9602	1568
ACTIVITY TOTAL:	0	15			
LHD 1, USS Wasp, 21560					
ACDU	0	1	ACC	6903	
	0	1	AC1	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ETC	9602	
	0	1	ET2	9602	1568
	0	1	ET3	9602	
ACTIVITY TOTAL:	0	15			
LHD 3, USS Kearsarge, 21700					
ACDU	0	1	ACC	6903	
	0	1	AC1	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ETC	9602	
	0	1	ET2	9602	1568
	0	1	ET3	9602	
ACTIVITY TOTAL:	0	15			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
LHD 5, USS Bataan, 21879					
ACDU	0	1	ACC	6903	
	0	1	AC1	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ETC	9602	
	0	1	ET2	9602	1568
	0	1	ET3	9602	
ACTIVITY TOTAL:	0	15			
LHD 7, USS Iwo Jima, 23027					
ACDU	0	1	ACC	6903	
	0	1	AC1	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ETC	9602	
	0	1	ET2	9602	1568
	0	1	ET3	9602	
ACTIVITY TOTAL:	0	15			
LHA 1, USS Tarawa, 20550					
ACDU	0	1	ACC	6903	
	0	1	AC1	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ETC	9602	
	0	1	ET2	9602	1568
	0	1	ET3	9602	1568
ACTIVITY TOTAL:	0	15			
LHA 3, USS Belleau Wood, 20633					
ACDU	0	1	ACC	6903	
	0	1	AC1	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ETC	9602	
	0	1	ET2	9602	1568
	0	1	ET3	9602	1568
ACTIVITY TOTAL:	0	15			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
LHA 5, USS Peleliu, 20748					
ACDU	0	1	ACC	6903	
	0	1	AC1	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ETC	9602	
	0	1	ET2	9602	1568
	0	1	ET3	9602	1568
ACTIVITY TOTAL:	0	15			
LHD 2, USS Essex, 21533					
ACDU	0	1	ACC	6903	
	0	1	AC1	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ETC	9602	
	0	1	ET2	9602	1568
	0	1	ET3	9602	
ACTIVITY TOTAL:	0	15			
LHD 4, USS Boxer, 21808					
ACDU	0	1	ACC	6903	
	0	1	AC1	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ETC	9602	
	0	1	ET2	9602	1568
	0	1	ET3	9602	
ACTIVITY TOTAL:	0	15			
LHD 6, USS Bonhomme Richard, 22202					
ACDU	0	1	ACC	6903	
	0	1	AC1	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ETC	9602	
	0	1	ET2	9602	1568
	0	1	ET3	9602	
ACTIVITY TOTAL:	0	15			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
MCS 12, USS Inchon, 20009					
ACDU	0	1	ACC	6903	
	0	1	AC2	6903	
	0	1	ETC	9602	
	0	1	ET3	9602	
TAR	0	2	AC2	6903	
	0	1	AC3	6903	
	0	1	ET2	9602	
SELRES	0	1	AC1	6903	
	0	2	AC2	6903	
ACTIVITY TOTAL:	0	11			
FLEET SUPPORT ACTIVITIES - NAVY					
FTSCLANT Norfolk, Virginia, 65912					
ACDU	0	1	ETC	9602	1590
ACTIVITY TOTAL:	0	1			
NAWCAD, St. Inigoes, 64485					
ACDU	0	1	ETC	9602	9603
ACTIVITY TOTAL:	0	1			

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

DESIG/ 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
NAVY OPERATIONAL ACTIVITIES - ACDU														
ACC	6903			13		0		0		0		0		0
AC1	6903			12		0		0		0		0		0
AC2	6903			85		0		0		0		0		0
AC3	6903			36		0		0		0		0		0
ETC	9602			13		0		0		0		0		0
ET2	9602	1568		12		0		0		0		0		0
ET3	9602			8		0		0		0		0		0
ET3	9602	1568		5		0		0		0		0		0
NAVY OPERATIONAL ACTIVITIES - TAR														
AC2	6903			2		0		0		0		0		0
AC3	6903			1		0		0		0		0		0
ET2	9602			1		0		0		0		0		0
NAVY OPERATIONAL ACTIVITIES - SELRES														
AC1	6903			1		0		0		0		0		0
AC2	6903			2		0		0		0		0		0
NAVY FLEET SUPPORT ACTIVITIES - ACDU														
ETC	9602	1590		1		0		0		0		0		0
ETC	9602	9603		1		0		0		0		0		0

SUMMARY TOTALS:

	PFYs ENL	CFY01	FY02	FY03	FY04	FY05
NAVY OPERATIONAL ACTIVITIES - ACDU	184	0	0	0	0	0
NAVY OPERATIONAL ACTIVITIES - TAR	4	0	0	0	0	0
NAVY OPERATIONAL ACTIVITIES - SELRES	3	0	0	0	0	0
NAVY FLEET SUPPORT ACTIVITIES - ACDU	2	0	0	0	0	0

GRAND TOTALS:

	PFYs ENL	CFY01	FY02	FY03	FY04	FY05
NAVY - ACDU	186	0	0	0	0	0
NAVY - TAR	4	0	0	0	0	0
NAVY - SELRES	3	0	0	0	0	0

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

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

TRAINING ACTIVITY, LOCATION, UIC: NATTC Pensacola Florida, 63093

INSTRUCTOR BILLETS

ACDU

			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
ACCS	6903	9502	0	1	0	1	0	1	0	1	0	1	0	1
ACC	6903	9502	0	2	0	2	0	2	0	2	0	2	0	2
AC1	6903	9502	0	10	0	10	0	10	0	10	0	10	0	10
AC2	6903	9502	0	3	0	3	0	3	0	3	0	3	0	3
ET1	9602	9502	0	1	0	1	0	1	0	1	0	1	0	1
ET1	1523	9502	0	1	0	1	0	1	0	1	0	1	0	1
TOTAL:			0	18	0	18	0	18	0	18	0	18	0	18

INSTRUCTOR BILLETS

ACDU

			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
ACAN			0	2	0	2	0	2	0	2	0	2	0	2
TOTAL:			0	2	0	2	0	2	0	2	0	2	0	2

* **Note:** Current TFMMS data indicates a requirement for one (1) ET1 9602 9502 at NATTC Pensacola. NATTC Pensacola reports two instructor billets to support course of instruction. For the purpose of this document, only one ET1 9602 9502 will be identified.

II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs OFF	PFYs ENL	CFY01 OFF	CFY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL
NATTC Pensacola, Florida, 63093													
	NAVY		11.0		11.0		11.0		11.0		11.0		11.0
SUMMARY TOTALS:													
	NAVY		11.0		11.0		11.0		11.0		11.0		11.0
GRAND TOTALS:													
			11.0		11.0		11.0		11.0		11.0		11.0

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01 +/-	CUM	FY02 +/-	CUM	FY03 +/-	CUM	FY04 +/-	CUM	FY05 +/-	CUM
a. OFFICER - USN			Not Applicable										

b. ENLISTED - USN

Operational Billets ACDU and TAR

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01 +/-	CUM	FY02 +/-	CUM	FY03 +/-	CUM	FY04 +/-	CUM	FY05 +/-	CUM
ACC	6903		13	0	13	0	13	0	13	0	13	0	13
AC1	6903		12	0	12	0	12	0	12	0	12	0	12
AC2	6903		87	0	87	0	87	0	87	0	87	0	87
AC3	6903		37	0	37	0	37	0	37	0	37	0	37
ETC	9602		13	0	13	0	13	0	13	0	13	0	13
ET2	9602		1	0	1	0	1	0	1	0	1	0	1
ET2	9602	1568	12	0	12	0	12	0	12	0	12	0	12
ET3	9602		8	0	8	0	8	0	8	0	8	0	8
ET3	9602	1568	5	0	5	0	5	0	5	0	5	0	5

Fleet Support Billets ACDU and TAR

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01 +/-	CUM	FY02 +/-	CUM	FY03 +/-	CUM	FY04 +/-	CUM	FY05 +/-	CUM
ETC	9602	1590	1	0	1	0	1	0	1	0	1	0	1
ETC	9602	9603	1	0	1	0	1	0	1	0	1	0	1

Staff Billets ACDU and TAR

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01 +/-	CUM	FY02 +/-	CUM	FY03 +/-	CUM	FY04 +/-	CUM	FY05 +/-	CUM
ACCS	6903	9502	1	0	1	0	1	0	1	0	1	0	1
ACC	6903	9502	2	0	2	0	2	0	2	0	2	0	2
AC1	6903	9502	10	0	10	0	10	0	10	0	10	0	10
AC2	6903	9502	3	0	3	0	3	0	3	0	3	0	3
ET1	9602	9502	1	0	1	0	1	0	1	0	1	0	1

Chargeable Student Billets ACDU and TAR

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01 +/-	CUM	FY02 +/-	CUM	FY03 +/-	CUM	FY04 +/-	CUM	FY05 +/-	CUM
			11	0	11	0	11	0	11	0	11	0	11

SELRES Billets

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01 +/-	CUM	FY02 +/-	CUM	FY03 +/-	CUM	FY04 +/-	CUM	FY05 +/-	CUM
AC1	6903		1	0	1	0	1	0	1	0	1	0	1
AC2	6903		2	0	2	0	2	0	2	0	2	0	2

TOTAL USN ENLISTED BILLETS:

	BILLET BASE	CFY01 +/-	CUM	FY02 +/-	CUM	FY03 +/-	CUM	FY04 +/-	CUM	FY05 +/-	CUM
Operational	188	0	188	0	188	0	188	0	188	0	188
Fleet Support	2	0	2	0	2	0	2	0	2	0	2
Staff	17	0	17	0	17	0	17	0	17	0	17
Chargeable Student	11	0	11	0	11	0	11	0	11	0	11
SELRES	3	0	3	0	3	0	3	0	3	0	3

c. OFFICER - USMC   Not Applicable

d. ENLISTED - USMC   Not Applicable

II.B. PERSONNEL REQUIREMENTS

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: C-222-2019, Amphibious Air Traffic Control Center Operations
COURSE LENGTH: 6.0 Weeks   **TOUR LENGTH:**   36 Months
ATTRITION FACTOR: Navy: 10%   **BACKOUT FACTOR:**   0.12

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
NATTC Pensacola Florida											
NAVY	ACDU		54		54		54		54		54
	TAR		1		1		1		1		1
	SELRES		0		1		0		0		0
	TOTAL:		55		56		55		55		55

CIN, COURSE TITLE: C-222-2020, Amphibious Air Traffic Control Center Team Training
COURSE LENGTH: 2 Weeks   **TOUR LENGTH:**   36 Months
ATTRITION FACTOR: NA   **BACKOUT FACTOR:**   NA

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
NATTC Pensacola Florida											
NAVY	ACDU		80		80		80		80		80
	TOTAL:		80		80		80		80		80

CIN, COURSE TITLE: C-103-2116, AN/SPN-43C Amphibious Air Traffic Control Radar Maintenance Technician Pipeline
COURSE LENGTH: 20 Weeks   **TOUR LENGTH:**   36 Months
ATTRITION FACTOR: Navy: 10%   **BACKOUT FACTOR:**   0.39

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
NATTC Pensacola Florida											
NAVY	ACDU		15		15		15		15		15
	TOTAL:		15		15		15		15		15

PART III - TRAINING REQUIREMENTS

The following elements are not affected by the AN/SPN-35C and, therefore, are not included in Part III of this NTSP:

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

PART III - TRAINING REQUIREMENTS

III.A.1. INITIAL TRAINING REQUIREMENTS

COURSE TITLE: AN/SPN-35C Initial Maintenance (Differences) Training
COURSE DEVELOPER: NAWCAD, St. Inigoes
COURSE INSTRUCTOR: NAWCAD, St. Inigoes
COURSE LENGTH: TBD
ACTIVITY DESTINATIONS: NATTC Pensacola, LHD-7 USS Iwo Jima
For other ships, see installation schedule, Part 1, section K.1.

	BEGIN	STUDENTS			
LOCATION, UIC	**DATE**	**OFF**	**ENL**	**CIV**	
NAWCAD St. Inigoes, 00421	Mar 01		12		Input
			TBD		AOB
					Chargeable

COURSE TITLE: AN/SPN-35C Initial Operator (Differences) Training
COURSE DEVELOPER: NATTC Pensacola
COURSE INSTRUCTOR: NATTC Pensacola
COURSE LENGTH: TBD
ACTIVITY DESTINATIONS: NATTC Pensacola, LHD-7 USS Iwo Jima
For other ships, see installation schedule, Part 1, section K.1.

	BEGIN	STUDENTS			
LOCATION, UIC	**DATE**	**OFF**	**ENL**	**CIV**	
At installation site, 64485	Mar 01		16		Input
			TBD		AOB
					Chargeable

III.A.2. FOLLOW-ON TRAINING

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: C-222-2019, Amphibious Air Traffic Control Center Operations
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola Florida, 63093

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

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	55		55		55		55		55	ATIR
	49		49		49		49		49	Output
	5.7		5.7		5.7		5.7		5.7	AOB
	5.7		5.7		5.7		5.7		5.7	Chargeable

SOURCE: NAVY   **STUDENT CATEGORY:** SELRES

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

CIN, COURSE TITLE: C-222-2020, Amphibious Air Traffic Control Center Team Training
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola Florida, 63093

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

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	80		80		80		80		80	ATIR
	80		80		80		80		80	Output
	0.0		0.0		0.0		0.0		0.0	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

CIN, COURSE TITLE: C-103-2116, AN/SPN-43C Amphibious Air Traffic Control Radar Maintenance Technician Pipeline
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola Florida, 63093

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

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	15		15		15		15		15	ATIR
	14		14		14		14		14	Output
	5.3		5.3		5.3		5.3		5.3	AOB
	5.3		5.3		5.3		5.3		5.3	Chargeable

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

The following elements are not affected by the AN/SPN-35C and, therefore, are not included in Part IV of this NTSP:

IV.C.   Facility Requirements (Note 1)

    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

Note 1: The AN/SPN-35C will upgrade the current TTE at NATTC Pensacola and will not require additional space or facility requirements.

Note 2: The technical manuals listed are currently being utilized at NATTC Pensacola for training the AN/SPN-35B. NAWCAD St. Inigoes is developing new technical manuals for the AN/SPN-35C. The preliminary AN/SPN-35C technical manuals are scheduled for delivery in October 2001 and will be included in future updates to this NTSP, as information becomes available.

Note 3: Currently, there are no Technical Manuals requirements in the Amphibious Air Traffic Control Center Operations course; however, NAWCAD St. Inigoes will provide an Operators Handbook.

IV.A. TRAINING HARDWARE

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

CIN, COURSE TITLE: C-222-2019, Amphibious Air Traffic Control Center Operations
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola Florida, 63093

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
ST					
09	Headset, Microphone	24	TBD	GFE	Onboard
10	Plotting Board, Ship's Status	5	TBD	GFE	Onboard

CIN, COURSE TITLE: C-222-2020, Amphibious Air Traffic Control Center Team Training
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola Florida, 63093

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
ST					
09	Headset, Microphone	16	TBD	GFE	Onboard
10	Plotting Board, Ship's Status	5	TBD	GFE	Onboard

CIN, COURSE TITLE: CIN TBD, AN/SPN-35C Maintenance (Track C-103-2116)
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola Florida, 63093

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
01	AN/SPN-35C Radar Set	1	Apr 02	GFE	Pending
GPETE					
02	54829N Oscilloscope	2	Apr 02	GFE	Onboard
03	77AN Multimeter	1	Apr 02	GFE	Onboard
04	AN/UPM-145 X-Band Radar Test Set	1	Apr 02	GFE	Onboard
05	Probe Test, Lead Assembly	6	Apr 02	GFE	Onboard
06	Dummy Load, Electric	4	Apr 02	GFE	Onboard
07	Adapter, Waveguide	3	Apr 02	GFE	Onboard
08	Tool Kit, Electronic System	1	Apr 02	GFE	Onboard
09	E4407S-E57 Spectrum Analyzer	1	Apr 02	GFE	TBD
10	2-30 Attenuator Fixed 30DB 5W 0-18.0 GHZ	2	Apr 02	GFE	TBD

IV.A.2. TRAINING DEVICES

DEVICE: 15G30 AATCC Trainer
DESCRIPTION: The trainer provides realistic training and practice in control of air traffic in the environment surrounding a LH type ship from the AATCC.
MANUFACTURER: LOGICON
CONTRACT NUMBER: N61339-86-C-0108
TEE STATUS: NA

TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola Florida, 63093

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	TBD	TBD	Pending	C-222-2019 C-222-2020

IV.B. COURSEWARE REQUIREMENTS

IV.B.1. TRAINING SERVICES

COURSE / TYPE OF TRAINING	SCHOOL LOCATION, UIC	NO. OF PERSONNEL	MAN WEEKS REQUIRED	DATE BEGIN
AN/SPN-35C Initial Maintenance (Differences) Training	NAWCAD St. Inigoes, 00421	2	TBD	Mar 02
AN/SPN-35C Initial Operator Training (Differences) Training	At installation site, 64485	2	TBD	Mar 02

Note: The requirements above are for each individual installation

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

CIN, COURSE TITLE: C-222-2019, Amphibious Air Traffic Control Center Operations
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola Florida, 63093

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Guides	10	Oct 01	Pending
Projector, Overhead	1	Oct 01	Onboard
Reproducer, Video	1	Oct 01	Onboard
Student Guides	100	Oct 01	Pending
Television Set	1	Oct 01	Onboard
Operator's Handbook	1	Oct 01	Pending

CIN, COURSE TITLE: C-222-2020, Amphibious Air Traffic Control Center Team Training
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola Florida, 63093

	QTY	DATE	
TYPES OF MATERIAL OR AID	**REQD**	**REQD**	**STATUS**
Instructor Guides	10	Oct 01	Pending
Student Guides	100	Oct 01	Pending
Fleet Exercise Publication 5	1	Oct 01	Pending

CIN, COURSE TITLE: CIN TBD, AN/SPN-35C Maintenance (Track C-103-2116)
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola Florida, 63093

	QTY	DATE	
TYPES OF MATERIAL OR AID	**REQD**	**REQD**	**STATUS**
Instructor Guides	10	Apr 04	Pending
Student Guides	30	Apr 04	Pending

IV.B.3. TECHNICAL MANUALS

CIN, COURSE TITLE: C-222-2020, Amphibious Air Traffic Control Center Team Training
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola, Florida, 63093

		QTY	DATE	
TECHNICAL MANUAL NUMBER / TITLE	**MEDIUM**	**REQD**	**REQD**	**STATUS**
NAVAIR 00-80T-106 LHA/LPH/LHD NATOPS	Hard Copy	1	Oct 01	Onboard

CIN, COURSE TITLE: CIN TBD, AN/SPN-35 Maintenance (Track C-103-2116)
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola, Florida, 63093

		QTY	DATE	
TECHNICAL MANUAL NUMBER / TITLE	**MEDIUM**	**REQD**	**REQD**	**STATUS**
EE216-AF-OMI-010/SPN-35C/ Aircraft Control Approach Central AN/SPN-35 Volume 1	Hard copy	10	Mar 02	Pending
EE216-AF-OMI-020/SPN-35C/ Aircraft Control Approach central AN/SPN-35C Volume 2	Hard copy	10	Mar 02	Pending
EE216-AF-OMI-030/SPN-35C/ Aircraft Control Approach Central AN/SPN-35C Volume 3	Hard copy	10	Mar 02	Pending

PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
DA	Conducted analysis of MPT requirements	Jun 99	Completed
TSA	Distributed Draft NTSP for review	Nov 99	Completed
TSA	Submit Proposed NTSP to OPNAV	Mar 01	Completed
NAWCAD	Begin system testing	Nov 00	In Progress
OPO	Approve and promulgate NTSP	Jul 01	Completed
NAWCAD	Deliver Preliminary technical manuals	Oct 01	Pending
NAWCAD	Deliver curricula materials	Mar 02	Pending
NAWCAD	Begin AN/SPN-35C initial training	Mar 02	Pending
NAWCAD	Upgrade AN/SPN-35 Technical Training Equipment to the AN/SPN-35C configuration	Apr 04	Pending
NAWCAD	Upgrade 15G30 AATCC Trainer to the AN/SPN-35C configuration	TBD	Pending
PDA	Achieve Initial Operating Capability	Jul 03	Pending
PDA	Achieve Material Support Date for the AN/SPN-35C	Jun 04	Pending
PDA	Achieve Navy Support Date for the AN/SPN-35C	Dec 04	Pending
NAWCAD	Begin AN/SPN-35B Training	Feb 04	Pending
TSA	Begin AN/SPN-35C follow-on maintenance training	Apr 04	Pending

PART VI - ACTION ITEMS / ACTION REQUIRED

ACTION ITEM OR ACTION REQUIRED	COMMAND ACTION	DUE DATE	STATUS
None			

PART VII - POINTS OF CONTACT

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