NAVY TRAINING SYSTEM PLAN

FOR THE

AN/USM-670 JOINT SERVICE ELECTRONIC COMBAT SYSTEMS TESTER

N78-NTSP-A-50-0208/A

JULY 2003

AN/USM-670 JOINT SERVICE ELECTRONIC COMBAT SYSTEMS TESTER

EXECUTIVE SUMMARY

The AN/USM-670 Joint Service Electronic Combat Systems Tester (JSECST) provides a functional End-To-End (ETE) test capability to the organizational level of maintenance to determine the status of Electronic Combat (EC) systems installed in operational aircraft. It automatically determines GO/NO-GO status of the EC system with minimal technician interaction. JSECST is used by the Navy on F/A-18A/B/C/D/E/F, F-14B/D, AV-8B, EA-6B ICAP III and E-2C aircraft and will replace the AN/USM-406, AN/USM-638 and augment the AN/USM-482. JSECST is used by the Air Force on F-15A/B/C/D/E plus the F-15C Multi-Stage Improvement Plan (MSIP), A-10A, F-16 (Block 25 and up), AN/ALQ-184, and AN/ALQ-131 Pods. JSECST has reached the Production and Deployment phase of the Defense Acquisition System.

Initial delivery of JSECST for the Navy and Air Force begun in March 2003 and be completed in December 2005. The Navy will receive 185 units and the Air Force will receive 121 units. The Material Support Date and Navy Support Date for JSECST are scheduled for May 2005.

Initial training has been completed. Navy organizational level follow-on training will be provided by Naval Air Maintenance Training Units (NAMTRAU) located at Naval Air Station (NAS) Norfolk, NAS Lemoore, NAS Oceana, Naval Air Maintenance Training Group Detachment NAS Point Mugu, and Naval Air Maintenance Training Marine Unit (NAMTRA MARUNIT) Marine Corps Air Station (MCAS) Cherry Point. Intermediate level follow-on training will be provided by NAMTRAU NAS Lemoore and NAMTRA MARUNIT MCAS Cherry Point.

Organizational level maintenance of EC systems is performed by Navy Aviation Electronics Technicians (AT) with Navy Enlisted Classification (NEC) 83XX, or Marine Corps personnel with Military Occupational Specialty (MOS) 63XX, depending on the particular aircraft being supported. These organizational level technicians will operate and maintain JSECST by performing routine visual inspections, cleaning and lubrication, and running alignment and built-in self-test prior to each test phase. Intermediate level maintenance of JSECST is performed by Navy AT personnel with NEC 6618 and Marine Corps personnel with MOS 6482. Depot level maintenance will be performed by the Original Equipment Manufacturer.

Preliminary assessment of the impact of fielding JSECST indicates no requirement to change existing manpower or skill levels for organizational or intermediate maintenance. Upon receiving training, existing personnel should be able to easily operate and maintain JSECST.

AN/USM-670 JOINT SERVICE ELECTRONIC COMBAT SYSTEMS TESTER

TABLE OF CONTENTS

	Page
Executive Summary	i
List of Acronyms	iii
Preface	vi
PART I - TECHNICAL PROGRAM DATA	
A. Nomenclature-Title-Program	I-1
B. Security Classification	I-1
C. Manpower, Personnel, and Training Principals	I-1
D. System Description	I-1
E. Developmental Test and Operational Test	I-2
F. Aircraft and/or Equipment/System/Subsystem Replaced	I-2
G. Description of New Development	I-2
H. Concepts	I-3
1. Operational	I-3
2. Maintenance	I-4
3. Manning	I-4
4. Training	I-6
I. Onboard (In-Service) Training	I-19
J. Logistics Support	I-20
K. Schedules	I-22
L. Government-Furnished Equipment and Contractor-Furnished Equipment Training Requirements	I-23
M. Related NTSPs and Other Applicable Documents	I-23
PART II - BILLET AND PERSONNEL REQUIREMENTS	II-1
PART III - TRAINING REQUIREMENTS	III-1
PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS	IV-1
PART V - MPT MILESTONES	V-1
PART VI - DECISION ITEMS/ACTION REQUIRED	VI-1
PART VII - POINTS OF CONTACT	VII-1

AN/USM-670 JOINT SERVICE ELECTRONIC COMBAT SYSTEMS TESTER

LIST OF ACRONYMS

ACDU	Active Duty
AFB	Air Force Base
AFMC	Air Force Material Command
AFSC	Air Force Specialty Code
AIMD	Aircraft Intermediate Maintenance Department
AMTCS	Aviation Maintenance Training Continuum System
AOB	Average Onboard
AR	Active Reserve
AT	Aviation Electronics Technician
CAI	Computer-Aided Instruction
CBT	Computer-Based Training
CFE	Contractor Furnished Equipment
CFY	Current Fiscal Year
CIN	Course Identification Number
CMC	Commandant of the Marine Corps
CMI	Computer-Managed Instruction
CNO	Chief of Naval Operations
COMLANTFLT	Commander U.S. Atlantic Fleet
COMNAVAIRESFOR	Commander Naval Air Reserve Force
COMPACFLT	Commander U.S. Pacific Fleet
COTS	Commercial Off-The-Shelf
CTS	Core Test Set
DA	Developmental Activity
DT&E	Developmental Test and Evaluation
EC	Electronic Combat
EMD	Engineering and Manufacturing Development
ETE	End-To-End
FMS	Foreign Military Sales
FY	Fiscal Year
HHCU	Hand Held Control Unit
ICAP	Increased Capability
ICW	Interactive Courseware
ILS	Integrated Logistics Support
ILSP	Integrated Logistics Support Plan
IOT&E	Initial Operational Test and Evaluation

AN/USM-670 JOINT SERVICE ELECTRONIC COMBAT SYSTEMS TESTER

LIST OF ACRONYMS

IPB	Illustrated Parts Breakdown
JSECST	Joint Service Electronic Combat Systems Tester
LRU	Line Replaceable Unit
LSA	Logistics Support Analysis
MATMEP	Maintenance Training Management and Evaluation Program
MCAS	Marine Corps Air Station
MCCDC	Marine Corps Combat Development Command
MOS	Military Occupational Specialty
MRC	Maintenance Requirements Card
MSD	Material Support Date
MSIP	Multi-Stage Improvement Plan
MTU	Maintenance Training Unit
NA	Not Applicable
NAF	Naval Air Facility
NAMTRAGRU DET	Naval Air Maintenance Training Group Detachment
NAMTRA MARUNIT	Naval Air Maintenance Training Marine Unit
NAMTRAU	Naval Air Maintenance Training Unit
NAS	Naval Air Station
NATTC	Naval Air Technical Training Center
NAVAIR	Naval Air Systems Command
NAVMAC	Navy Manpower Analysis Center
NAVPERSCOM	Naval Personnel Command
NEC	Navy Enlisted Classification
NETC	Naval Education and Training Command
NEWTS	New Electronic Warfare Test Set
NSD	Navy Support Date
NTSP	Navy Training System Plan
OEM	Original Equipment Manufacturer
OPNAV	Office of the Chief of Naval Operations
OPNAVINST	Office of the Chief of Naval Operations Instruction
OPO	OPNAV Principal Official
PC	Personal Computer
PFY	Previous Fiscal Year
PMA	Program Manager, Air

AN/USM-670 JOINT SERVICE ELECTRONIC COMBAT SYSTEMS TESTER

LIST OF ACRONYMS

PME	Precision Measurement Equipment
PMI	Preventive Maintenance Inspection
PMOS	Primary Military Occupational Specialty
PNEC	Primary Navy Enlisted Classification
RF	Radio Frequency
RFT	Ready For Training
RMU	Remote Measurement Unit
SDS	Software Development Station
SELRES	Selected Reserve
SMCR	Selected Marine Corps Reserve
SMOS	Secondary Military Occupational Specialty
SNEC	Secondary Navy Enlisted Classification
SRA	Shop Replaceable Assembly
TAR	Training and Administration of the Naval Reserves
TCCD	Training Course Control Document
TD	Training Device
TECHEVAL	Technical Evaluation
TEMP	Test and Evaluation Master Plan
TFMMS	Total Force Manpower Management System
TFS	Total Force Structure
TPS	Test Program Set
TSA	Training Support Agent
TTE	Technical Training Equipment
USAF	United States Air Force
USMC	United States Marine Corps
USN	United States Navy
WRA	Weapon Replaceable Assembly

AN/USM-670 JOINT SERVICE ELECTRONIC COMBAT SYSTEMS TESTER

PREFACE

This Approved Navy Training System Plan (NTSP) explores the various employment scenarios for the AN/USM-670 Joint Service Electronic Combat Systems Tester (JSECST) program, from here forward referred to as JSECST. This NTSP is the second iteration containing all seven parts and is a product of the Training Planning Process Methodology as outlined in Office of the Chief of Naval Operations (OPNAV) Publication P-751-3-9-97.

PART I - TECHNICAL PROGRAM DATA

A. NOMENCLATURE-TITLE-PROGRAM

1. Nomenclature-Title-Acronym. AN/USM-670, Joint Service Electronic Combat Systems Tester (JSECST)

2. Program Element. N204161N

B. SECURITY CLASSIFICATION

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

C. MANPOWER, PERSONNEL, AND TRAINING PRINCIPALS

OPNAV Principal Official (OPO) Program Sponsor ..... CNO (N781)

OPO Resource Sponsor..... CNO (N781)

Developing Agency ..... NAVAIR (PMA260)

Training Agency ..... COMLANTFLT
COMPACFLT
CNATT (FID N5)
COMNAVRESFOR

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

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

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

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

D. SYSTEM DESCRIPTION

1. Operational Uses. The AN/USM-670 JSECST provides a functional End-To-End (ETE) test capability at the organizational level of maintenance to determine the status of Electronic Combat (EC) systems installed in operational aircraft. It automatically determines GO/NO-GO status of the EC system with minimal technician interaction. In cases where the EC

system has a critical fault, JSECST identifies the critical failure or the functional test that failed. JSECST will be operated at Air Force Bases, Naval Air Stations (NAS), Naval Air Facilities (NAF), Marine Corps Air Stations (MCAS), overseas bases, aboard aircraft carriers and amphibious assault ships, and at other locations.

Air Force and Navy EC systems comprised of electronic attack pods, electronic attack systems, radar warning receivers, and integrated electronic attack suites have undergone extensive technological advances in signal processing and jamming techniques. The result is an increase in both system testing and support equipment requirements. Increased mobility requirements and the probable co-location of multiple aircraft weapon systems, coupled with a limited support capability drove the requirement for a small, rugged, highly adaptable, and extremely mobile tester.

2. Foreign Military Sales. If Foreign Military Sales (FMS) are initiated, the supportability planning will be contracted through letters of agreement with individual countries. For further information on FMS refer to Program Manager, Air (PMA) 260.

E. DEVELOPMENTAL TEST AND OPERATIONAL TEST. Air Force Developmental Test and Evaluation (DT&E) and Initial Operational Test and Evaluation (IOT&E) was conducted at F-15C Multi-Stage Improvement Program (MSIP) bases. Navy Technical Evaluation (TECHEVAL) was conducted at NAVAIR Point Mugu, California, for fault insertion testing; NAVAIR Patuxent River, Maryland, for F/A-18C; and aboard an aircraft carrier for shipboard suitability testing. Operational Evaluation was conducted at selected shore sites and aboard an aircraft carrier. Testing for JSECST is complete.

F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED. JSECST will replace the AN/USM-406D, AN/USM-638 and augment the AN/USM-482 and AN/USM-482A Radio Frequency (RF) Transmission Line Testers. JSECST fills a void in the current Air Force ETE EC testing capability.

G. DESCRIPTION OF NEW DEVELOPMENT

1. Functional Description. JSECST will provide ETE functional testing capability to determine the status of EC systems installed in or on operational aircraft and provide assistance to maintenance technicians for diagnosing EC system malfunctions. When used in conjunction with Test Program Sets (TPS), JSECST will automatically determine a GO/NO-GO status of the EC system failure and the ETE functional test that failed. JSECST will also provide fault isolation to the failed Weapon Replaceable Assembly (WRA) or aircraft RF Transmission Line component. JSECST can be operated in either the automatic or manual mode to assist in accomplishing fault isolation of failed WRAs. The manual mode will be used when the automatic mode cannot determine the EC system failure or when unique mission requirement is to be evaluated. The JSECST system is comprised of the following major components.

a. Core Test Set, TS-4512/USM-670. The Core Test Set (CTS) utilizes a ruggedized construction and contains the system electronics.

b. Accessory Set, MX-11824/USM-670. The Accessory Set includes an Accessory Case containing the Hand Held Control Unit (HHCU), HHCU control cable, Remote Measurement Unit (RMU), RMU control cable, RMU RF port extension cable, Alternating Current (AC) power cable, and self-test cable.

c. Software Development Station. Under the current contract, two Software Development Station (SDS) will be delivered to the government for TPS development and CTS software maintenance, one to the Air Force and one to the Navy. The SDS is a standard International Business Machine compatible Personal Computer (PC) with removable cards. The software used in the SDS is Commercial Off-The-Shelf (COTS) such as Windows New Technology ™ Operating System, Hewlett Packard Test Execution, etc.

2. Physical Description. The following represents the physical and environmental characteristics of JSECST. JSECST consists of two main units.

a. Core Test Set, TS-4512/USM-670

- Dimensions ..... 21.6" High x 17.5" Wide x 25.7" Deep
- Weight..... 98 pounds

b. Accessory Case, MX-11824/USM-670

- Dimensions ..... 13.6" High x 17.5" Wide x 25.7" Deep
- Weight..... 66 pounds

c. Power Requirements. JSECST requires115 Volts Alternating Current (VAC), 60 or 400 Hertz (Hz), 15 Amps.

d. Temperature Range. JSECST may be operated from -40 to +120.2 degrees Fahrenheit.

3. New Development Introduction. JSECST will be introduced as new production equipment.

4. Significant Interfaces. JSECST interfaces with the aircraft being tested, the WRA in the aircraft being tested, and the aircraft transmission line being used by the WRA and the aircraft.

5. New Features, Configurations, or Material. Not Applicable (NA)

H. CONCEPTS

1. Operational Concept. JSECST will be operated at the organizational level by Navy Aviation Electronics Technician (AT) personnel with Navy Enlisted Classification (NEC) 83XX

(series) or USMC personnel with Military Occupational Specialty (MOS) 63XX (series), depending upon which aircraft is being tested.

2. Maintenance Concept. The Air Force is using a modified two level (organizational and depot) maintenance concept for JSECST. This concept allows the user to have some limited repair and replacement capability at the organizational level. Periodic maintenance and calibration will be accomplished using existing support assets currently in inventory.

The Navy JSECST maintenance concept is in accordance with the Naval Aviation Maintenance Program, Office of the Chief of Naval Operations Instruction (OPNAVINST) 4790.2 series for avionics support equipment. The maintenance concept allows for calibration, test set repair, and Shop Replaceable Assembly (SRA) replacement capability at the intermediate level of maintenance.

a. Organizational. Although organizational level maintenance for Avionics Support Equipment is not authorized by the NAMP, organizational level technicians will perform routine visual inspections, clean and lubricate the unit, and run alignment and built-in, self-tests prior to each test phase.

b. Intermediate. Intermediate level maintenance will be performed in Work Center 640. Tasks to effect repair of JSECST include calibration and diagnostic testing using built-in self-test, Operational Assurance/Fault Isolation and manual intervention methods to fault isolate, and removal and replacement of discrepant SRAs and failed components. A Calibration and Maintenance Disk Drive, Part Number (97384) 37534-40396-10, NSN 1RW4920-01-498-2561EW, has been identified as an Individual Material Readiness List (IMRL) item to support JSECST and is required to perform Test Set calibration and fault isolation.

c. Depot. AAI Corporation is the Original Equipment Manufacturer (OEM) and is identified as the commercial depot for repair of component parts that are beyond the capability of the intermediate level of maintenance. A contract was placed with AAI Corporation in March 2002 for these services.

d. Interim Maintenance. In addition to the depot repair determination outlined above, the Navy and Air Force have entered into a 10-year Performance Based Logistics contract with AAI Corporation with the contract period of performance to be March 2003 through April 2013.

e. Life Cycle Maintenance Plan. JSECST will meet the organizational level support equipment requirements of electronic combat systems for service up to a 20-year life cycle. The OEM is identified as the commercial depot for repair of component parts that are beyond the capability of the intermediate level of maintenance.

3. Manning Concept. The Air Force has directed that organizational level maintenance and calibration on the JSECST be performed by personnel in Air Force Specialty Code (AFSC) 2P051, Precision Measurement Equipment (PME), and AFSC 2A051A/B.

The Navy JSECST will be operated at the organizational level by Navy personnel in the AT rating with NEC 83XX or Marine Corps personnel with MOS 63XX, depending upon which aircraft is being tested. Introduction of the AN/USM-670 will not drive an increase or decrease in manpower at the organizational level.

AIRCRAFT	NEC	MOS
F/A-18A/B/C/D	8342	6317
F/A-18E/F	8341	NA
F-14B	8345 8845	NA
F-14D	8335 8835	NA
AV-8B	NA	6312
E-2C	8306 8806	NA
EA-6B ICAP III	8332 8832	6386

JSECST will be calibrated and maintained in Work Center 640 by Intermediate Maintenance personnel with NEC 6618 and USMC Aircraft Electronics Countermeasures Systems Technician, Fixed Wing Intermediate Maintenance Activity personnel in the 6482 MOS. These are the same personnel currently operating and maintaining the AN/USM-406D. Introduction of JSECST will not drive an increase or decrease in manpower at the intermediate level.

a. Estimated Maintenance Man-Hours per Operating Hour

PARAMETER	THRESHOLD	OBJECTIVE
Mean Time Between Operational Failures	500 hours	1,000 hours
Mean Corrective Maintenance Time	40 minutes	20 minutes
Operational Availability	90 %	98 %

b. Proposed Utilization. JSECST will be operated at the organizational level of maintenance for the F-14B/D, F/A-18A/B/C/D/E/F, E-2C, EA-6B Increased Capability (ICAP) III and the AV-8B aircraft. Peacetime utilization rate will be 120 hours monthly. Wartime utilization rate will be 240 hours monthly.

c. Recommended Qualitative and Quantitative Manpower Requirements. All manpower required to operate and maintain JSECST is currently in place at the organizational and intermediate levels of maintenance.

4. Training Concept. The goal of JSECST system training concept is to provide qualified organizational and intermediate level Air Force, Marine Corps, and Navy personnel ashore and afloat, with the qualifications to ensure that EC systems are in a GO status prior to aircraft take-off. For reserve program units, Training and Administration of Reserves (TAR) personnel receive their training through attending the applicable training, while Selected Reserve (SELRES) personnel may earn maintenance qualifications by attending formal training providing quotas, funding, and students are available to attend the training. Specific guidelines for Navy and Marine Corps personnel are contained in Naval Personnel (NAVPERS) 18068F Volume II, Chapter IV.

a. Initial Training. Initial training for the JSECST to support Engineering and Manufacturing Development, Operational Testing, and Maintenance Training Unit (MTU) Naval Air Maintenance Training Unit (NAMTRAU) and Naval Air Maintenance Training Marine Unit (NAMTRA MARUNIT) instructors was completed between October 1999 and May 2000.

b. Follow-on Training. Organizational level follow-on training is available at various locations as depicted below. For more information on individual aircraft training refer to the applicable NTSP listed in paragraph M of this document.

TYPE AIRCRAFT	TRAINING ACTIVITY	LOCATION
F/A-18A/B/C/D	MTU 1039	NAMTRAU Oceana
	MTU 1038	NAMTRAU Lemoore
F/A-18E/F	MTU 1038	NAMTRAU Lemoore
F-14A/B	MTU 1007	NAMTRAU Oceana
F-14D	MTU 1007	NAMTRAU Oceana
AV-8B	(NAMTRA MARUNIT)	MCAS Cherry Point
E-2C	MTU 1026	NAMTRAU Norfolk
	MTU 1025	NAMTRAGRU DET Point Mugu

TYPE AIRCRAFT	TRAINING ACTIVITY	LOCATION
EA-6B ICAP III	MTU 1083	NAMTRAU Whidbey Island

All current organizational level maintenance courses are in the process of integrating Computer-Based Training (CBT) with its basic elements of Computer-Managed Instruction (CMI), Computer-Aided Instruction (CAI), Interactive Courseware (ICW), and Aviation Maintenance Training Continuum System (AMTCS) Electronic Modules, into their curricula for classroom presentation and management. For specifics on exactly when a particular aircraft platform will be integrated refer to the applicable NTSP listed in paragraph M of this NTSP.

All of the organizational maintenance training courses below listed are currently available without the AN/USM-670 JSECST. JSECST will be delivered to each training activity for inclusion in the following courses. Addition of JSECST will not increase course lengths.

Title ..... E-2C Group 2 AEW Systems (Career) Organizational Maintenance

CIN D/E-102-0325

Model Manager.... NAMTRAU Norfolk

Description..... This course provides training to the second tour Aviation Electronics Technician, including:

° Theory of Operation
° Systems Operation and Analysis
° Troubleshooting Techniques
° Equipment Repair
° Publications Interpretation
° Safety Procedures

Upon completion, the graduate will be able to safely perform organizational maintenance on the E-2C Avionics Systems in a squadron environment under limited supervision.

Locations ..... º MTU 1026 NAMTRAU Norfolk
º MTU 1025 NAMTRAGRU DET Point Mugu

Length..... 114 days

RFT date ..... Currently available without JSECST (JSECST to be delivered in 2003)

Skill identifier..... NEC 8306

TTE/TD..... Refer to the E-2C NTSP for this information

Prerequisite	D-102-0328, E-2C Group 2 AEW Systems (Initial) Organizational Maintenance

Title	**E-2C Group 2 AEW Systems (Initial) Organizational Maintenance**
CIN	D/E-102-0328
Model Manager....	NAMTRAU Norfolk
Description.....	This course provides training to the first tour Aviation Electronics Technician, including: ° Theory of Operation ° Systems Operation and Analysis ° Publications Interpretation ° Safety Procedures Upon completion, the graduate will be able to safely perform organizational maintenance on the E-2C Avionics Systems in a squadron environment under direct supervision.
Locations	º MTU 1026 NAMTRAU Norfolk º MTU 1025 NAMTRAGRU DET Point Mugu
Length.....	72 days
RFT date	Currently available without JSECST (JSECST to be delivered in 2003)
Skill identifier.....	NEC 8806
TTE/TD.....	Refer to the E-2C NTSP for this information
Prerequisite	C-100-2018, Avionics Technician O level Class A1

Title	**F/A-18E/F Avionic Systems (Career) Organizational Maintenance**
CIN	E-102-0624
Model Manager....	NAMTRAU Lemoore
Description.....	This course provides training to the second tour Aviation Electronics Technician, including: ° Theory of Operation ° Systems Operation and Analysis ° Troubleshooting Techniques ° Equipment Repair ° Publications Interpretation ° Safety Procedures Upon completion, the graduate will be able to safely perform organizational maintenance on the F/A-18E/F Avionics Systems in a squadron environment under limited supervision.
Location	MTU 1038 NAMTRAU Lemoore
Length	52 days
RFT date	Currently available without JSECST (JSECST to be delivered in 2003)
Skill identifier	NEC 8341
TTE/TD.....	Refer to the F/A-18E/F NTSP for this information
Prerequisite	E-102-0623, F/A-18E/F Avionic Systems (Initial) Organizational Maintenance

Title	**F/A-18 Avionic Systems (Career) Organizational Maintenance**
CIN	D/E-102-0630
Model Manager....	NAMTRAU Lemoore
Description.....	This course provides training to the second tour Aviation Electronics Technician, including: ° Theory of Operation ° Systems Operation and Analysis ° Troubleshooting Techniques ° Equipment Repair ° Publications Interpretation ° Safety Procedures Upon completion, the graduate will be able to safely perform organizational maintenance on the F/A-18 Avionics Systems in a squadron environment under limited supervision.
Locations	º MTU 1038 NAMTRAU Lemoore º MTU 1039 NAMTRAU Oceana
Length.....	16 days
RFT date	Currently available without JSECST (JSECST to be delivered in 2003)
Skill identifier.....	NEC 8342
TTE/TD.....	Refer to the F/A-18 NTSP for this information
Prerequisite	D/E-102-0622, F/A-18 Avionic Systems (Initial) Organizational Maintenance

Title	**F-14A/B Avionics System (Career) Organizational Maintenance**
CIN	D-102-1623
Model Manager....	NAMTRAU Oceana
Description.....	This course provides training to the second tour Aviation Electronics Technician, including: ° Theory of Operation ° Systems Operation and Analysis ° Troubleshooting Techniques ° Equipment Repair ° Publications Interpretation ° Safety Procedures Upon completion, the graduate will be able to safely perform organizational maintenance on the F-14A/B Avionics Systems in a squadron environment under limited supervision.
Location	MTU 1007 NAMTRAU Oceana
Length	44 days
RFT date	Currently available without JSECST (JSECST to be delivered in 2003)
Skill identifier	NEC 8345
TTE/TD.....	Refer to the F/A-14 NTSP for this information
Prerequisite	D-102-1624, F-14A/B Avionics System (Initial) Organizational Maintenance

Title	**F-14A/B Avionics System (Initial) Organizational Maintenance**
CIN	D-102-1624
Model Manager....	NAMTRAU Oceana
Description.....	This course provides training to the first tour Aviation Electronics Technician, including: ° Theory of Operation ° Systems Operation and Analysis ° Publications Interpretation ° Safety Procedures Upon completion, the graduate will be able to safely perform organizational maintenance on the F-14A/B Avionics Systems in a squadron environment under direct supervision.
Location	NAMTRAU MTU 1007 Oceana
Length	72 days
RFT date	Currently available without JSECST (JSECST to be delivered in 2003)
Skill identifier	NEC 8845
TTE/TD.....	Various Electronic Combat Systems are used for TTE
Prerequisite	C-100-2018, Avionics Technician O Level Class A1

Title	**F-14D Avionic Systems (Initial) Organizational Maintenance**
CIN	D-102-1625
Model Manager....	NAMTRAU Oceana
Description.....	This course provides training to the first tour Aviation Electronics Technician, including: ° Theory of Operation ° Systems Operation and Analysis ° Publications Interpretation ° Safety Procedures Upon completion, the graduate will be able to safely perform organizational maintenance on the F-14D Avionics Systems in a squadron environment under direct supervision.
Location	MTU 1007 NAMTRAU Oceana

Length.....	67 days
RFT date	Currently available without JSECST (JSECST to be delivered in March 2003)
Skill identifier.....	NEC 8835
TTE/TD.....	Refer to the F/A-14 NTSP for this information
Prerequisite	C-100-2018, Avionics Technician O Level Class A1

Title	**F-14D Avionic System (Career) Organizational Maintenance**
CIN	D-102-1630
Model Manager....	NAMTRAU Oceana
Description.....	This course provides training to the second tour Aviation Electronics Technician, including: ° Theory of Operation ° Systems Operation and Analysis ° Troubleshooting Techniques ° Equipment Repair ° Publications Interpretation ° Safety Procedures Upon completion, the graduate will be able to safely perform organizational maintenance on the F-14D Avionics Systems in a squadron environment under limited supervision.
Location	NAMTRAU MTU 1007 Oceana
Length.....	31 days
RFT date	Currently available without JSECST (JSECST to be delivered in 2003)
Skill identifier.....	NEC 8335
TTE/TD.....	Refer to the F/A-14 NTSP for this information
Prerequisite	D-102-1625, F-14D Avionic Systems (Initial) Organizational Maintenance

Title	**AV-8B CNI/ECM System Organizational Maintenance**
CIN	M-102-0122
Model Manager....	NAMTRA MARUNIT MCAS Cherry Point
Description.....	This course provides training to the USMC Aviation Electronics Technician, including: ° Theory of Operation ° System Operation and Analysis ° Troubleshooting Techniques ° Equipment Repair ° Publications Interpretation ° Safety Procedures Upon completion, the graduate will be able to safely perform organizational maintenance on the AV-8B Avionics Systems in a squadron environment under limited supervision.
Location	NAMTRA MARUNIT MCAS Cherry Point
Length	109 days
RFT date	Currently available without JSECST (JSECST to be delivered in 2003)
Skill identifier	MOS 6312
TTE/TD.....	Refer to the AV-8B NTSP for this information
Prerequisite	C-100-2018, Avionics Technician O Level Class A1

Title	**EA-6B COMM/NAV/RADAR Systems (Initial) Organizational Maintenance**
CIN	E-102-1827
Model Manager....	NAMTRAU Whidbey Island
Description.....	This course provides training to the USN/USMC Aviation Electronics Technician, including: ° Theory of Operation ° System Operation and Analysis ° Troubleshooting Techniques ° Equipment Repair ° Publications Interpretation ° Safety Procedures Upon completion, the graduate will be able to safely perform organizational maintenance on the EA-6B Avionics Systems in a squadron environment under limited supervision.
Location	NAMTRAU Whidbey Island
Length	52 days
RFT date	Currently available without JSECST
Skill identifier	NEC 8832, MOS 6313
TTE/TD.....	Refer to the EA-6B NTSP for this information
Prerequisite	C-100-2018, Avionics Technician O Level Class A1 C-100-2020 Avionics Common Core Class A1

Title	**EA-6B COMM/NAV/RADAR Systems (Career) Organizational Maintenance**
CIN	E-102-1823
Model Manager....	NAMTRAU Whidbey Island
Description.....	This course provides training to the USN Aviation Electronics Technician, including: ° Theory of Operation ° System Operation and Analysis ° Troubleshooting Techniques ° Equipment Repair ° Publications Interpretation ° Safety Procedures Upon completion, the graduate will be able to safely perform organizational maintenance on the EA-6B Avionics Systems in a squadron environment under limited supervision.
Location	NAMTRAU Whidbey Island
Length	51 days
RFT date	Currently available without JSECST
Skill identifier	NEC 8332
TTE/TD.....	Refer to the EA-6B NTSP for this information
Prerequisite	EA-6B COMM/NAV/RADAR Systems (Initial) Organizational Maintenance

Title	**EA-6B Integrated Electronic Attack System (Initial) Organizational Maintenance**
CIN	E-102-1820
Model Manager....	NAMTRAU Whidbey Island
Description.....	This course provides training to the USMC Aviation Electronics Technician, including: ° Theory of Operation ° System Operation and Analysis ° Troubleshooting Techniques ° Equipment Repair ° Publications Interpretation ° Safety Procedures Upon completion, the graduate will be able to safely perform organizational maintenance on the EA-6B Avionics Systems in a squadron environment under limited supervision.
Location	NAMTRAU Whidbey Island
Length	47 days
RFT date	Currently available without JSECST
Skill identifier	MOS 6386
TTE/TD.....	Refer to the EA-6B NTSP for this information
Prerequisite	C-100-2018, Avionics Technician O Level Class A1 C-100-2020 Avionics Common Core Class A1

Intermediate level follow-on training for JSECST will be available at NAMTRA MARUNIT MCAS Cherry Point NAMTRAU NAS Lemoore beginning in July 2003. *C-102-4058, AN/USM-670 Electronic Test Set (JSECST) Operator/Maintainer Course* is a stand-alone course. Although this course does not award an NEC or MOS, Navy AT personnel with NEC 6618 and USMC personnel with MOS 6482 will attend this course. The Training Course Control Document (TCCD) is currently being prepared at Naval Air Technical Training Center (NATTC) in Pensacola, Florida, and is not included in this NTSP. This information will be included into the next update of this document.

Title	**AN/USM-670 Electronic Test Set (JSECST) Operator/Maintainer Course**
CIN	C-102-4058
Model Manager....	NAMTRA MARUNIT MCAS Cherry Point
Description.....	This course provides training to the USN and USMC intermediate level Aviation Electronics Technician, including: ° Theory of Operation ° System Operation and Analysis ° Troubleshooting Techniques ° Equipment Repair ° Publications Interpretation ° Safety Procedures Upon completion, the graduate will be able to safely perform as an Electronic Combat Test Set Operator/Maintainer in a shop environment under limited supervision.
Locations	º NAMTRA MARUNIT MCAS Cherry Point º MTU 1038 NAMTRAU Lemoore
Length.....	19 days
RFT date	December 2003
Skill identifier.....	None
TTE/TD.....	Various Electronic Combat Systems are used for TTE
Prerequisite	C-100-2017, Avionics Technician I Level Class A1

c. Student Profiles

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
AT 6618	C-100-2017, Avionics Technician I Level Class A1 C-100-2020, Avionics Common Core Class A1
MOS 6482	C-100-2017, Avionics Technician I Level Class A1 C-100-2020, Avionics Common Core Class A1

d. Training Pipelines. There is no new training track or pipeline required. JSECST requires the intermediate level stand-alone course, *C-102-4058*, as shown above.

I. ONBOARD (IN-SERVICE) TRAINING. Onboard training is defined by each individual aircraft platform. For specifics on aircraft platform onboard training, refer to the applicable NTSP listed in paragraph M of this NTSP.

1. Proficiency or Other Training Organic to the New Development

a. Maintenance Training Improvement Program. NA

b. Aviation Maintenance Training Continuum System. The Aviation Maintenance Training Continuum System (AMTCS) will provide career path training to the Sailor or Marine from their initial service entry to the end of their military career. AMTCS is planned to be an integrated system that will satisfy the training and administrative requirements of both the individual and the organization. The benefits will be manifested in the increased effectiveness of the technicians and the increased efficiencies of the management of the training process. By capitalizing on technological advances and integrating systems and processes where appropriate, the right amount of training can be provided at the right time, thus meeting the Chief of Naval Operations (CNO) mandated "just-in-time" training approach.

Technology investments enable the development of several state-of-the-art training and administrative tools: Computer-Based Training for the technicians in the fleet in the form of Interactive Courseware with Computer-Managed Instruction and Computer-Aided Instruction for the schoolhouse.

Included in the AMTCS development effort is the AMTCS - Software Module which provides testing (Test and Evaluation), recording (Electronic Training Jacket), and a feedback system. The core functionality of these AMTCS tools are based and designed around the actual maintenance-related tasks the technicians perform, and the tasks are stored and maintained in a Master Task List data bank. These tools are procured and fielded with appropriate COTS hardware and software, Fleet Training Devices (laptop computers, desktop computers, electronic classrooms, Learning Resource Centers, operating software, and network software and hardware).

Upon receipt of direction from OPNAV (N789H), AMTCS is to be implemented and the new tools integrated into the daily training environment of all participating aviation activities and supporting elements. AMTCS will serve as the standard training system for aviation maintenance training within the Navy and Marine Corps, and is planned to supersede the existing Maintenance Training Improvement Program and Maintenance Training Management and Evaluation Program (MATMEP) programs. AMTCS implementation will begin with the F-14, E-2C, and all models of the F/A-18 aircraft. For more information on AMTCS refer to PMA205. Currently, PMA205 is in the process of identifying intermediate level candidates for AMTCS development.

2. Personnel Qualification Standards. NA

3. Other Onboard or In-Service Training Packages. Marine Corps onboard training is based on the current series of MCO P4790.12, Individual Training Standards System and Maintenance Training Management and Evaluation Program (MATMEP). This program is designed to meet Marine Corps, as well as Navy OPNAVINST 4790.2 series maintenance

training requirements. It is a performance-based, standardized, level-progressive, documentable, training management and evaluation program. It identifies and prioritizes task inventories by MOS through a front-end analysis process that identifies task, skill, and knowledge requirements of each MOS. MATMEP identifies training deficiencies that can be enhanced with refresher training. (MATMEP will be replaced by AMTCS.

J. LOGISTICS SUPPORT

1. Manufacturer and Contract Numbers. The Air Force is the procuring activity for JSECST. AAI Corporation is the OEM and is identified as the commercial depot for repair of component parts that are beyond the capability of the intermediate level of maintenance. A contract for these services was placed with AAI Corporation in March 2002.

CONTRACT NUMBER	MANUFACTURER	ADDRESS
F33657-95-C-0077	AAI Corporation	P.O. Box 126 Hunt Valley, MD 21030-0126

2. Program Documentation. Documentation available for JSECST includes:

- Logistics Support Analysis (LSA) (MIL-STD-1388-1A/2B)
- Test and Evaluation Master Plan dated August 1995
- Integrated Logistics Support Strategy dated October 1999
- JSECST Brief, Initial Operational Capability Supportability Review dated October 2001

3. Technical Data Plan. Technical publications to support JSECST are currently available. Technical manuals for JSECST are:

- NAVAIR 16-30USM-670-4, Illustrated Parts Breakdown (IPB)
- NAVAIR 16-30USM-670-2, Maintenance Instructions
- NAVAIR 16-30USM-670-1, Operations Instructions

4. Test Sets, Tools, and Test Equipment. No special tools are required to operate or maintain JSECST at the organizational maintenance level.

5. Repair Parts. The Material Support Date (MSD) and the Navy Support Date (NSD) for JSECST is scheduled for May 2005. Prior to the MSD all parts required will be provided by the OEM.

6. Human Systems Integration. The JSECST fills a Navy operational requirement for a small, adaptable, and highly mobile tester capable of verifying system level performance of installed electronic countermeasures systems installed in today's most advanced aircraft.

JSECST provides an organizational-level flight line capability for verifying operational status of aircraft-installed electronic combat systems including group A antennas and transmission lines. JSECST allows technicians to perform true end-to-end RF tests, a breakthrough over past aging, unreliable and expensive test equipment capability that the AN/USM406D could not provide.

The acquisition strategy was to bypass the demonstration/validation phase and proceed directly into Engineering and Manufacturing Development. In order to support this strategy, the program office assessed current industry capability to develop the JSECST. All new design systems and software address the human-machine interface for operators, maintainers, and support personnel. The design processes conformed to best standard human engineering practices as defined in existing human factors engineering design standards. The system safety was addressed in a safety analysis report, which included electrical safety, radio frequency emissions, and general issues with regard to weight, balance and corners in accordance with MIL-STD-1472, and no major issues were identified. The core test set case has a weight of ~94 pounds which will require a two-man lift. The core test set accessory case has a weight of ~66 pounds which will also require a two-man lift. System utility and operating protocols are in conformance with expectations of user population.

This system has no habitability impact. Manpower issues are covered in part II and III of this document.

The curricula delivery method that will be employed to teach this course will be a blend of platform instruction along with computer aided instruction. All future CBT, CAI and ICW training material will be sharable content object reference model conformant and conform with the technical standards to run in the intended environment: classroom automated electronic classroom or learning resource center, Navy e-learning, AMTCS, or desktop (NMCI ashore or IT21 afloat).

The ECP process, in accordance with NAVAIRINST 4130.1C, is utilized to initiate upgrades to operational and training systems and allows for inputs to the affect on the human and MPT. All new engineering change proposals for JSECST take into consideration the human-machine interface for Operators, Maintainers and Support Personnel.

In its current state of design, the JSECST system contains no explosive, radioactive, or carcinogenic materials. Toxic materials that have been documented are present in small amounts and in forms that present no hazard during any phase of system ownership, including disposal. If the unit were to be incinerated, limited amounts of corrosive vapors would be generated by the decomposition of wire insulation. This is common to all electronic equipment meeting the requirements to operate in the specified environments. Environmental and Occupational Safety and Health requirements meet federal, state, and local standards, regulations, and directives and are enforced by respective agencies, as applicable.

K. SCHEDULES

1. Installation and Delivery Schedules. The Navy requires a total of 185 JSECST units with deliveries beginning in 2003 and will be ending in 2005. The Air Force requires a total of 121 JSECST units, with deliveries that will begin in 2003 and will be ending in 2005.

NAVY/USMC EC SYSTEMS SUPPORTED BY JSECST

AIRCRAFT PLATFORM	EC SYSTEM SUPPORTED
F/A-18C/D	AN/ALR-67, AN/ALQ-126B, AN/ALQ-165
F-18DRECCE	AN/ALR-67, AN/ALQ-126B
F-18A/B	AN/ALR-67, AN/ALQ-126B
F/A-18EF	AN/ALR-67, AN/ALQ-165
F-14B/D	AN/ALR-67, AN/ALQ-126B, AN/ALQ-165
AV-8B	AN/ALR-67, AN/ALQ-164
EA-6B	AN/ALR-67, AN/ALQ-126B, ICAP III TBD
E-2C	AN/ALR-73

AIR FORCE EC SYSTEMS SUPPORTED BY JSECST

AIRCRAFT PLATFORM	EC SYSTEM SUPPORTED
F-15C (MSIP)	AN/ALR-56C, AN/ALQ-135 Bands 1, 2 mod, 3
F-15 A-D	AN/ALR-56A/C, AN/ALQ-135 Bands 1, 2, 3
F-15E	AN/ALR-56C, AN/ALQ-135D(v)
F-16A-D	AN/ALR-69, AN/ALQ-131, AN/ALQ-184 Pod
A-10A	AN/ALR-69, AN/ALQ-131, AN/ALQ-184 Pod

2. Ready For Operational Use Schedule. JSECST requires no installation and is ready for operational use upon receipt and check-out.

3. Time Required to Install at Operational Sites. NA

4. Foreign Military Sales and Other Source Delivery Schedule. For information on FMS refer to PMA260.

5. Training Device and Technical Training Equipment Delivery Schedule. JSECST is the Technical Training Equipment (TTE). JSECST will be delivered to all of the training activities, both organizational and intermediate, in 2003.

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

M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS

DOCUMENT TITLE	DOCUMENT NUMBER	PDA CODE	STATUS
Joint Service Electronic Combat Systems Tester (JSECST) Operational Requirements Document	CAF NASC 325-92-III-A	PMA260	Approved Feb 02
Test and Evaluation Master Plan (TEMP)	NA	PMA260	Approved Aug 95
Integrated Logistics Support Strategy (ILSS) for Joint Service Electronic Combat Systems Tester (JSECST)	NA	PMA260	Approved Oct 99
Logistics Support Analysis	NA	PMA260	Approved Aug 85
JSECST Brief, Initial Operational Capability Supportability Review	NA	PMA260	Approved Oct 01
AV-8B Harrier II Weapons System NTSP	A-50-8210D/A	PMA257	Approved Sep 01
F/A-18 Aircraft NTSP	A-50-7703I/D	PMA265	Draft Oct 02
F-14A, F-14B, and F-14D Aircraft NTSP	A-50-8511C/A	PMA241	Approved Feb 02
E-2C Aircraft NTSP	A-50-8716E/A	PMA231	Approved Dec 00
EA-6B ICAP II & III Aircraft	A-50-7904D/A	PMA234	Approved Mar 2001

DOCUMENT TITLE	DOCUMENT NUMBER	PDA CODE	STATUS
Safety Assessment Report for JSECST	R37534-00067A	PMA260	Approved October 2000

PART II - BILLET AND PERSONNEL REQUIREMENTS

The following elements are not affected by the JSECST 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
- II.A.3. Training Activities Instructor and Support Billet Requirements

PART II - BILLET AND PERSONNEL REQUIREMENTS

II.A. BILLET REQUIREMENTS

SOURCE OF BILLETS: USMC Total Force Structure (TFS) **DATE:** January 2003
SOURCE OF BILLETS: USN Total Force Manpower Management System (TFMMS) **DATE:** January 2003

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

ACTIVITY, UIC		PFYs	CFY03	FY04	FY05	FY06	FY07
OPERATIONAL ACTIVITIES - USN							
CV 67 USS John F. Kennedy	03367	1	0	0	0	0	0
CVN 65 USS Enterprise	03365	1	0	0	0	0	0
CVN 69 USS Dwight D. Eisenhower	03369	1	0	0	0	0	0
CVN 71 USS Theodore Roosevelt	21247	1	0	0	0	0	0
CVN 73 USS George Washington	21412	1	0	0	0	0	0
CVN 75 USS Harry S. Truman	21853	1	0	0	0	0	0
AIRTEVRON Three Zero NAS Point Mugu	39788	1	0	0	0	0	0
CV 63 USS Kitty Hawk	03363	1	0	0	0	0	0
CV 64 USS Constellation	03364	1	0	0	0	0	0
CVN 68 USS Nimitz	03368	1	0	0	0	0	0
CVN 70 USS Carl Vinson	20993	1	0	0	0	0	0
CVN 72 USS Abraham Lincoln	21297	1	0	0	0	0	0
CVN 74 USS John C. Stennis	21847	1	0	0	0	0	0
CVN 76 USS Ronald Reagan	22178	0	0	1	0	0	0
VFA-201 JRB Fort Worth	09309	1	0	0	0	0	0
VFA-203 Det JRB Fort Worth	31633	1	0	0	0	0	0
VFA-204 Det JRB Fort Worth	3234A	1	0	0	0	0	0
TOTAL:		16	0	1	0	0	0
OPERATIONAL ACTIVITIES - USMC							
MALS Fixed Wing MCAS Cherry Point	00003	2	0	0	0	0	0
VMA (10 AV-8B/Det 6 AV-8B) MCAS Cherry	00008	3	0	0	0	0	0
VMAQ (5 EA-6B) MCAS Cherry Point	00009	4	0	0	0	0	0
VMAT 203 MCAS Cherry Point	01203	1	0	0	0	0	0
VMFA (F/A-18) CV Configuration Augment	00005	2	0	0	0	0	0
MALS Fixed Wing MCAS Miramar	00004	3	0	0	0	0	0
MALS 41 JRB Fort Worth	01136	1	0	0	0	0	0
VAQ 129 NAS Whidbey Island	06041	1	0	0	0	0	0
VFA 125 NAS Lemoore	06015	1	0	0	0	0	0
VMA (10 AV-8B/Det 6 AV-8B) MCAS Yuma	00007	4	0	0	0	0	0
VMFA (F/A-18) CV Configuration Augment	00006	2	0	0	0	0	0
VMFAT 101 MCAS Miramar	01192	1	0	0	0	0	0
TOTAL:		25	0	0	0	0	0
FLEET SUPPORT ACTIVITIES - USN							
FIWC NAS Norfolk	55722	1	0	0	0	0	0
MCAS Beaufort SEAOPDET	46961	1	0	0	0	0	0
NAMTRAU Oceana	66045	1	0	0	0	0	0
NAS Jacksonville AIMD	44319	1	0	0	0	0	0
NAS Key West AIMD	44320	1	0	0	0	0	0

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

ACTIVITY, UIC		PFYs	CFY03	FY04	FY05	FY06	FY07
NAS New Orleans Reserve AIMD	44490	1	0	0	0	0	0
NAS Oceana AIMD	44327	1	0	0	0	0	0
NAS Oceana SEAOPDET	46963	1	0	0	0	0	0
NAS Sigonella AIMD	44330	1	0	0	0	0	0
NAS Sigonella Aircraft OPDET	44378	1	0	0	0	0	0
COMAEWWINGPAC Det AIMD NAS Point Mugu	44328	1	0	0	0	0	0
COMSTRKFIGHTWINGPAC Det AIMD NAS	44321	1	0	0	0	0	0
COMVAQWINGPAC Det AIMD NAS Whidbey	44329	1	0	0	0	0	0
CV/CVN SEAOPDET NAS Lemoore	46964	1	0	0	0	0	0
EA-6B VAN OPDET NAS Whidbey Island	31179	1	0	0	0	0	0
MCBH Kaneohe Bay AIMD	44312	1	0	0	0	0	0
JRB Fort Worth Reserve AIMD	44487	1	0	0	0	0	0
TOTAL:		17	0	0	0	0	0

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
OPERATIONAL ACTIVITIES - USN					
CV 67 USS John F. Kennedy, 03367					
ACDU	0	1	AT2	6618	
	0	1	ATAN	6618	
ACTIVITY TOTAL:	0	2			
CVN 65 USS Enterprise, 03365					
ACDU	0	2	AT2	6618	
ACTIVITY TOTAL:	0	2			
CVN 69 USS Dwight D. Eisenhower, 03369					
ACDU	0	1	AT2	6618	
	0	1	ATAN	6618	
ACTIVITY TOTAL:	0	2			
CVN 71 USS Theodore Roosevelt, 21247					
ACDU	0	2	AT2	6618	
ACTIVITY TOTAL:	0	2			
CVN 73 USS George Washington, 21412					
ACDU	0	1	AT2	6618	
	0	1	ATAN	6618	
ACTIVITY TOTAL:	0	2			
CVN 75 USS Harry S. Truman, 21853					
ACDU	0	1	AT2	6618	
ACTIVITY TOTAL:	0	1			
AIRTEVRON Three Zero NAS Point Mugu, 39788					
ACDU	0	1	AT1	6618	
	0	1	AT2	6618	
	0	1	AT2	8220	6618
	0	2	AT2	8284	6618
	0	4	AT3	6618	
ACTIVITY TOTAL:	0	10			
CV 63 USS Kitty Hawk, 03363					
ACDU	0	2	AT2	6618	
	0	2	AT3	6618	
	0	1	ATAN	6618	
ACTIVITY TOTAL:	0	5			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
CV 64 USS Constellation, 03364					
ACDU	0	1	AT1	6618	
	0	1	AT2	6618	
	0	1	ATAN	6618	
ACTIVITY TOTAL:	0	3			
CVN 68 USS Nimitz, 03368					
ACDU	0	1	AT2	6618	
	0	1	ATAN	6618	
ACTIVITY TOTAL:	0	2			
CVN 70 USS Carl Vinson, 20993					
ACDU	0	1	AT2	6618	
	0	1	ATAN	6618	
ACTIVITY TOTAL:	0	2			
CVN 72 Abraham Lincoln, 21297					
ACDU	0	1	AT2	6618	
	0	1	ATAN	6618	
ACTIVITY TOTAL:	0	2			
CVN 74 USS John C. Stennis, 21847					
ACDU	0	1	AT2	6618	
	0	1	ATAN	6618	
ACTIVITY TOTAL:	0	2			
CVN 76 USS Ronald Reagan, 22178, FY04 Increment					
ACDU	0	1	AT2	6618	
ACTIVITY TOTAL:	0	1			
VFA-201 JRB Fort Worth, 09309					
TAR	0	1	AT3	6618	
ACTIVITY TOTAL:	0	1			
VFA-203 Det JRB Fort Worth, 31633					
TAR	0	1	AT2	6618	7978
	0	1	AT3	6618	
ACTIVITY TOTAL:	0	2			

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-204 Det JRB Fort Worth, 3234A					
TAR	0	1	AT3	6618	
ACTIVITY TOTAL:	0	1			
OPERATIONAL ACTIVITIES - USMC					
MALS Fixed Wing MCAS Cherry Point, 00003					
USMC	0	2	CPL	6482	
	0	2	GYSGT	6482	
	0	16	LCPL	6482	
	0	4	SGT	6482	
	0	2	SSGT	6482	
ACTIVITY TOTAL:	0	26			
VMA (10 AV-8B/Det 6 AV-8B) MCAS Cherry Point, 00008					
USMC	0	3	CPL	6482	
ACTIVITY TOTAL:	0	3			
VMAQ (5 EA-6B) MCAS Cherry Point, 00009					
USMC	0	4	CPL	6482	
	0	4	LCPL	6482	
ACTIVITY TOTAL:	0	8			
VMAT-203 MCAS Cherry Point, 01203					
USMC	0	3	CPL	6482	
	0	1	GYSGT	6482	
ACTIVITY TOTAL:	0	4			
VMFA (F/A-18) CV Configuration Augment, 00005					
USMC	0	2	LCPL	6482	
ACTIVITY TOTAL:	0	2			
MALS Fixed Wing MCAS Miramar, 00004					
USMC	0	3	CPL	6482	
	0	3	GYSGT	6482	
	0	24	LCPL	6482	
	0	6	SGT	6482	
	0	3	SSGT	6482	
ACTIVITY TOTAL:	0	39			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
MALS-41 JRB Fort Worth, 01136					
USMC	0	1	LCPL	6482	
	0	2	SGT	6482	
SMCR	0	1	CPL	6482	
	0	1	GYSGT	6482	
	0	7	LCPL	6482	
	0	1	SSGT	6482	
ACTIVITY TOTAL:	0	13			
VAQ-129 NAS Whidbey Island, 06041					
USMC	0	1	CPL	6482	
ACTIVITY TOTAL:	0	1			
VFA-125 NAS Lemoore, 06015					
USMC	0	3	SGT	6482	
ACTIVITY TOTAL:	0	3			
VMA (10 AV-8B/Det 6 AV-8B) MCAS Yuma, 00007					
USMC	0	4	CPL	6482	
ACTIVITY TOTAL:	0	4			
VMFA (F/A-18) CV Configuration Augment, 00006					
USMC	0	2	LCPL	6482	
ACTIVITY TOTAL:	0	2			
VMFAT-101 MCAS Miramar, 01192					
ACDU	0	1	AT3	6618	
USMC	0	1	CPL	6482	
	0	1	SGT	6482	
ACTIVITY TOTAL:	0	3			
FLEET SUPPORT ACTIVITIES - USN					
FIWC NAS Norfolk, 55722					
ACDU	0	2	AT1	6618	
	0	3	AT2	6618	
	0	3	AT3	6618	
ACTIVITY TOTAL:	0	8			

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
MCAS Beaufort SEAOPDET, 46961					
ACDU	0	1	AT3	6618	
ACTIVITY TOTAL:	0	1			
NAMTRAU Oceana, 66045					
ACDU	0	7	AT1	6618	9502
	0	2	AT2	6618	9502
ACTIVITY TOTAL:	0	9			
NAS Jacksonville AIMD, 44319					
ACDU	0	1	AT2	6618	
	0	1	AT3	6618	
ACTIVITY TOTAL:	0	2			
NAS Key West AIMD, 44320					
TAR	0	1	AT1	6618	
ACTIVITY TOTAL:	0	1			
NAS New Orleans Reserve AIMD, 44490					
TAR	0	1	AT3	6618	
ACTIVITY TOTAL:	0	1			
NAS Oceana AIMD, 44327					
ACDU	0	2	AT1	6618	
	0	11	AT2	6618	
	0	2	AT3	6618	
SELRES	0	1	AT1	6618	
ACTIVITY TOTAL:	0	16			
NAS Oceana SEAOPDET, 46963					
ACDU	0	12	AT3	6618	
	0	1	ATAN	6618	
ACTIVITY TOTAL:	0	13			
NAS Sigonella AIMD, 44330					
ACDU	0	2	AT3	6618	
ACTIVITY TOTAL:	0	2			

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
NAS Sigonella Aircraft OPDET, 44378					
ACDU	0	1	AT3	6618	
ACTIVITY TOTAL:	0	1			
COMAEWWINGPAC Det AIMD NAS Point Mugu, 44328					
ACDU	0	2	AT2	6618	
	0	1	AT3	6618	
ACTIVITY TOTAL:	0	3			
COMSTRKFIGHTWINGPAC Det AIMD NAS Lemoore, 44321					
ACDU	0	1	ATC	6618	
	0	1	AT1	6618	
	0	6	AT2	6618	
	0	4	AT3	6618	
SELRES	0	1	AT3	6618	
	0	1	AT1	6618	
ACTIVITY TOTAL:	0	16			
COMVAQWINGPAC Det AIMD NAS Whidbey Island, 44329					
ACDU	0	1	AT2	6618	9527
ACTIVITY TOTAL:	0	1			
CV/CVN SEAOPDET NAS Lemoore, 46964					
ACDU	0	5	AT3	6618	
	0	2	ATAN	6618	
ACTIVITY TOTAL:	0	7			
EA-6B VAN OPDET NAS Whidbey Island, 31179					
ACDU	0	5	AT3	6618	
ACTIVITY TOTAL:	0	5			
MCBH Kaneohe Bay AIMD, 44312					
ACDU	0	1	AT2	6618	
ACTIVITY TOTAL:	0	1			
JRB Fort Worth Reserve AIMD, 44487					
TAR	0	2	AT2	6618	6631
	0	2	AT3	6618	6631
ACTIVITY TOTAL:	0	4			

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY03 OFF	CFY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL	FY06 OFF	FY06 ENL	FY07 OFF	FY07 ENL
USN OPERATIONAL ACTIVITIES - ACDU													
AT1	6618		2		0		0		0		0		0
AT2	6618		16		0		1		0		0		0
AT2	8220 6618		1		0		0		0		0		0
AT2	8284 6618		2		0		0		0		0		0
AT3	6618		6		0		0		0		0		0
ATAN	6618		9		0		0		0		0		0
USN OPERATIONAL ACTIVITIES - TAR													
AT2	6618 7978		1		0		0		0		0		0
USMC OPERATIONAL ACTIVITIES - ACDU													
AT3	6618		1		0		0		0		0		0
CPL	6482		21		0		0		0		0		0
GYSGT	6482		6		0		0		0		0		0
LCPL	6482		49		0		0		0		0		0
SGT	6482		16		0		0		0		0		0
SSGT	6482		5		0		0		0		0		0
USMC OPERATIONAL ACTIVITIES - SMCR													
CPL	6482		1		0		0		0		0		0
GYSGT	6482		1		0		0		0		0		0
LCPL	6482		7		0		0		0		0		0
SSGT	6482		1		0		0		0		0		0
USN FLEET SUPPORT ACTIVITIES - ACDU													
ATC	6618		1		0		0		0		0		0
AT1	6618		5		0		0		0		0		0
AT1	6618 9502		7		0		0		0		0		0
AT2	6618		24		0		0		0		0		0
AT2	6618 9502		2		0		0		0		0		0
AT2	6618 9527		1		0		0		0		0		0
AT3	6618		37		0		0		0		0		0
ATAN	6618		3		0		0		0		0		0
USN FLEET SUPPORT ACTIVITIES - TAR													
AT1	6618		1		0		0		0		0		0
AT2	6618 6631		2		0		0		0		0		0
AT3	6618		4		0		0		0		0		0
AT3	6618 6631		2		0		0		0		0		0
USN FLEET SUPPORT ACTIVITIES - SELRES													
AT1	6618		2		0		0		0		0		0
AT3	6618		1		0		0		0		0		0

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY03 OFF	CFY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL	FY06 OFF	FY06 ENL	FY07 OFF	FY07 ENL
SUMMARY TOTALS:													
USN OPERATIONAL ACTIVITIES - ACDU													
		36		0		1		0		0		0	
USN OPERATIONAL ACTIVITIES - TAR													
		1		0		0		0		0		0	
USMC OPERATIONAL ACTIVITIES - ACDU													
		1		0		0		0		0		0	
		97		0		0		0		0		0	
USMC OPERATIONAL ACTIVITIES - SMCR													
		10		0		0		0		0		0	
USN FLEET SUPPORT ACTIVITIES - ACDU													
		80		0		0		0		0		0	
USN FLEET SUPPORT ACTIVITIES - TAR													
		9		0		0		0		0		0	
USN FLEET SUPPORT ACTIVITIES - SELRES													
		3		0		0		0		0		0	
GRAND TOTALS:													
USN - ACDU		116		0		1		0		0		0	
USN - TAR		10		0		0		0		0		0	
USN - SELRES		3		0		0		0		0		0	
USMC - ACDU		1		0		0		0		0		0	
		97		0		0		0		0		0	
USMC - SMCR		10		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	CFY03 OFF	CFY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL	FY06 OFF	FY06 ENL	FY07 OFF	FY07 ENL
TRAINING ACTIVITY, LOCATION, UIC: NAMTRA MARUNIT, MCAS Cherry Point, 00002													
INSTRUCTOR BILLETS													
USMC													
SSGT	6482	0	3	0	3	0	3	0	3	0	3	0	3
TOTAL:		0	3	0	3	0	3	0	3	0	3	0	3
TRAINING ACTIVITY, LOCATION, UIC: MTU 1038 NAMTRAU Lemoore, 66060													
INSTRUCTOR BILLETS													
USN													
ATC	6618 9502	0	2	0	2	0	2	0	2	0	2	0	2
AT1	6618 9502	0	3	0	3	0	3	0	3	0	3	0	3
AT2	6618 9502	0	1	0	1	0	1	0	1	0	1	0	1
TOTAL:		0	6	0	6	0	6	0	6	0	6	0	6

II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs OFF	PFYs ENL	CFY03 OFF	CFY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL	FY06 OFF	FY06 ENL	FY07 OFF	FY07 ENL
NAMTRA MARUNIT, MCAS Cherry Point, 00002													
	USN	0.0	0.0	0.0	0.8	0.0	0.8	0.0	0.8	0.0	0.8	0.0	0.8
	USMC	0.0	0.0	0.0	0.5	0.0	0.5	0.0	0.5	0.0	0.5	0.0	0.5
MTU 1038 NAMTRAU Lemoore, 66060													
	USN	0.0	0.0	0.0	1.1	0.0	1.1	0.0	1.1	0.0	1.1	0.0	1.1
	USMC	0.0	0.0	0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.6
SUMMARY TOTALS:													
	USN	0.0	0.0	0.0	1.9	0.0	1.9	0.0	1.9	0.0	1.9	0.0	1.9
	USMC	0.0	0.0	0.0	1.1	0.0	1.1	0.0	1.1	0.0	1.1	0.0	1.1
GRAND TOTALS:													
		0.0	0.0	0.0	3.0	0.0	3.0	0.0	3.0	0.0	3.0	0.0	3.0

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY03 +/-	CFY03 CUM	FY04 +/-	FY04 CUM	FY05 +/-	FY05 CUM	FY06 +/-	FY06 CUM	FY07 +/-	FY07 CUM
a. OFFICER - USN	Not Applicable												
b. ENLISTED - USN													
Operational Billets ACDU and TAR													
AT1	6618		2	0	2	0	2	0	2	0	2	0	2
AT2	6618		16	0	16	1	17	0	17	0	17	0	17
AT2	6618	7978	1	0	1	0	1	0	1	0	1	0	1
AT2	8220	6618	1	0	1	0	1	0	1	0	1	0	1
AT2	8284	6618	2	0	2	0	2	0	2	0	2	0	2
AT3	6618		6	0	6	0	6	0	6	0	6	0	6
ATAN	6618		9	0	9	0	9	0	9	0	9	0	9
Fleet Support Billets ACDU and TAR													
ATC	6618		1	0	1	0	1	0	1	0	1	0	1
AT1	6618		6	0	6	0	6	0	6	0	6	0	6
AT1	6618	9502	7	0	7	0	7	0	7	0	7	0	7
AT2	6618		24	0	24	0	24	0	24	0	24	0	24
AT2	6618	6631	2	0	2	0	2	0	2	0	2	0	2
AT2	6618	9502	2	0	2	0	2	0	2	0	2	0	2
AT2	6618	9527	1	0	1	0	1	0	1	0	1	0	1
AT3	6618		41	0	41	0	41	0	41	0	41	0	41
AT3	6618	6631	2	0	2	0	2	0	2	0	2	0	2
ATAN	6618		3	0	3	0	3	0	3	0	3	0	3
Staff Billets ACDU and TAR													
ATC	6618	9502	2	0	2	0	2	0	2	0	2	0	2
AT1	6618	9502	3	0	3	0	3	0	3	0	3	0	3
AT2	6618	9502	1	0	1	0	1	0	1	0	1	0	1
Chargeable Student Billets ACDU and TAR													
			0	2	2	0	2	0	2	0	2	0	2
SELRES Billets													
AT1	6618		2	0	2	0	2	0	2	0	2	0	2
AT3	6618		1	0	1	0	1	0	1	0	1	0	1
TOTAL USN ENLISTED BILLETS:													
Operational			38	0	38	1	39	0	39	0	39	0	39
Fleet Support			90	0	90	0	90	0	90	0	90	0	90
Staff			6	0	6	0	6	0	6	0	6	0	6
Chargeable Student			0	2	2	0	2	0	2	0	2	0	2
SELRES			2	0	2	0	2	0	2	0	2	0	2

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY03 +/-	CFY03 CUM	FY04 +/-	FY04 CUM	FY05 +/-	FY05 CUM	FY06 +/-	FY06 CUM	FY07 +/-	FY07 CUM
c. OFFICER - USMC	Not Applicable												
d. ENLISTED - USMC													
Operational Billets USMC and AR													
CPL	6482		21	0	21	0	21	0	21	0	21	0	21
GYSGT	6482		6	0	6	0	6	0	6	0	6	0	6
LCPL	6482		49	0	49	0	49	0	49	0	49	0	49
SGT	6482		16	0	16	0	16	0	16	0	16	0	16
SSGT	6482		5	0	5	0	5	0	5	0	5	0	5
Staff Billets USMC and AR													
SSGT	6482		3	0	3	0	3	0	3	0	3	0	3
Chargeable Student Billets USMC and AR													
			0	2	2	0	2	0	2	0	2	0	2
SMCR Billets													
CPL	6482		1	0	1	0	1	0	1	0	1	0	1
GYSGT	6482		1	0	1	0	1	0	1	0	1	0	1
LCPL	6482		7	0	7	0	7	0	7	0	7	0	7
SSGT	6482		1	0	1	0	1	0	1	0	1	0	1
TOTAL USMC ENLISTED BILLETS:													
Operational			97	0	97	0	97	0	97	0	97	0	97
Staff			3	0	3	0	3	0	3	0	3	0	3
Chargeable Student			0	2	2	0	2	0	2	0	2	0	2
SMCR			10	0	10	0	10	0	10	0	10	0	10

II.B. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: C-102-4058, AN/USM-670 Electronic Test Set (JSECST) Operator/Maintainer Course
COURSE LENGTH: 3.0 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% USMC: 0% **BACKOUT FACTOR:** 0.06

TRAINING		ACDU/TAR	CFY03		FY04		FY05		FY06		FY07	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NAMTRA MARUNIT, MCAS Cherry Point												
	USN	ACDU		17		17		17		17		17
		TAR		1		1		1		1		1
		SELRES		0		0		0		0		0
	USMC	USMC		10		10		10		10		10
MTU 1038 NAMTRAU Lemoore												
	USN	ACDU		18		19		18		18		18
		TAR		4		4		4		4		4
		SELRES		0		0		0		0		0
	USMC	USMC		12		12		12		12		12
		SMCR		1		1		1		1		1
		TOTAL:		63		64		63		63		63

PART III - TRAINING REQUIREMENTS

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

III.A.1. Initial Training Requirements

III.A.2. Follow-on Training

- III.A.2.a. Existing Courses
- III.A.2.c. Unique Courses

III.A.3. Existing Training Phased Out

III.A. TRAINING COURSE REQUIREMENTS

III.A.2. FOLLOW-ON TRAINING

III.A.2.b. PLANNED COURSES

CIN, COURSE TITLE: C-102-4058, AN/USM-670 Electronic Test Set (JSECST) Operator/Maintainer Course
TRAINING ACTIVITY: NAMTRA MARUNIT
LOCATION, UIC: MCAS Cherry Point, 00002

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

CFY03		FY04		FY05		FY06		FY07		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	18		18		18		18		18	ATIR
	16		16		16		16		16	Output
	0.8		0.8		0.8		0.8		0.8	AOB
	0.8		0.8		0.8		0.8		0.8	Chargeable

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

CFY03		FY04		FY05		FY06		FY07		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	10		10		10		10		10	ATIR
	10		10		10		10		10	Output
	0.5		0.5		0.5		0.5		0.5	AOB
	0.5		0.5		0.5		0.5		0.5	Chargeable

III.A.2.b. PLANNED COURSES

TRAINING ACTIVITY: MTU 1038 NAMTRAU
LOCATION, UIC: NAS Lemoore, 66060

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

CFY03		FY04		FY05		FY06		FY07		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	22		23		22		22		22	ATIR
	20		21		20		20		20	Output
	1.1		1.1		1.1		1.1		1.1	AOB
	1.1		1.1		1.1		1.1		1.1	Chargeable

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

CFY03		FY04		FY05		FY06		FY07		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	12		12		12		12		12	ATIR
	12		12		12		12		12	Output
	0.6		0.6		0.6		0.6		0.6	AOB
	0.6		0.6		0.6		0.6		0.6	Chargeable

SOURCE: USMC **STUDENT CATEGORY:** SMCR

CFY03		FY04		FY05		FY06		FY07		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	1		1		1		1		1	ATIR
	1		1		1		1		1	Output
	0.1		0.1		0.1		0.1		0.1	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

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

IV.A. Training Hardware

IV.A.2. Training Devices

IV.B.1. Training Services

IV.C. Facility Requirements

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

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

IV.C.3. Facility Project Summary by Program

Note: The TCCD for *C-102-4058, AN/USM-670 Electronic Test Set (JSECST) Operator/Maintainer Course* is currently being prepared at NATTC in Pensacola and is not included in this NTSP. This information will be included into the next update of this document.

IV.A. TRAINING HARDWARE

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

CIN, COURSE TITLE: C-102-4058, AN/USM-670 Electronic Test Set (JSECST) Operator/Maintainer Course
TRAINING ACTIVITY: NAMTRA MARUNIT
LOCATION, UIC: MCAS Cherry Point, 00002

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
001	TS-4512/USM-670	2	Jul 03	CFE	Pending
002	MX-11824/USM-670	2	Jul 03	CFE	Pending

CIN, COURSE TITLE: C-102-4058, AN/USM-670 Electronic Test Set (JSECST) Operator/Maintainer Course
TRAINING ACTIVITY: MTU 1038 NAMTRAU
LOCATION, UIC: NAS Lemoore, 66060

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
001	TS-4512/USM-670	2	Jul 03	CFE	Pending
002	MX-11824/USM-670	2	Jul 03	CFE	Pending

IV.B. COURSEWARE REQUIREMENTS

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

CIN, COURSE TITLE: C-102-4058, AN/USM-670 Electronic Test Set (JSECST) Operator/Maintainer Course
TRAINING ACTIVITY: NAMTRA MARUNIT
LOCATION, UIC: MCAS Cherry Point, 00002

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Guides	2	Jul 03	Pending
Student Guides	50	Jul 03	Pending
Student Handouts	50	Jul 03	Pending
Student Tests	50	Jul 03	Pending

CIN, COURSE TITLE: C-102-4058, AN/USM-670 Electronic Test Set (JSECST) Operator/Maintainer Course
TRAINING ACTIVITY: MTU 1038 NAMTRAU
LOCATION, UIC: NAS Lemoore, 66060

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Guides	3	Jul 03	Pending
Student Guides	50	Jul 03	Pending
Student Handouts	50	Jul 03	Pending
Student Tests	50	Jul 03	Pending

IV.B.3. TECHNICAL MANUALS

CIN, COURSE TITLE: C-102-4058, AN/USM-670 Electronic Test Set (JSECST) Operator/Maintainer Course
TRAINING ACTIVITY: NAMTRA MARUNIT
LOCATION, UIC: MCAS Cherry Point, 00002

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
0001 AN/USM-670 Maintenance Manual	Digital	6	Jul 03	Pending
0002 AN/USM-670 Illustrated Parts Breakdown	Digital	6	Jul 03	Pending

CIN, COURSE TITLE: C-102-4058, AN/USM-670 Electronic Test Set (JSECST) Operator/Maintainer Course
TRAINING ACTIVITY: MTU 1038 NAMTRAU
LOCATION, UIC: NAS Lemoore, 66060

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
0001 AN/USM-670 Maintenance Manual	Digital	6	Jul 03	Pending
0002 AN/USM-670 Illustrated Parts Breakdown	Digital	6	Jul 03	Pending

PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
AFMC	Requested Proposals for JSECST Contract	Mar 93	Complete
AFMC	Awarded JSECST Contract to AAI Corporation	Mar 95	Complete
AFMC	Approved Draft Maintenance Plan	Jun 98	Complete
AFMC	Approved Initial Interim Support Items List	Jun 98	Complete
AFMC	Approved Final Interim Support Items List	Jan 99	Complete
AFMC	Approved Final Logistics Support Analysis Record Data Tables	Jan 99	Complete
AFMC	Approved Final Maintenance Plan	Jan 99	Complete
TSA	Completed EMD Initial Training for Operational Testing and NAMTRAU Instructors	May 00	Complete
TSA	Developed JSECST Draft NTSP for Review	Feb 03	Completed
TSA	Deliver JSECST to Organizational Level Training Activities for use as TTE	Mar 03	Pending
AFMC	Begin Delivery of 121 JSECST Systems to the Air Force	Mar 03	Pending
TSA	Deliver JSECST to Intermediate Level Training Activities for use as TTE	Mar 03	Pending
DA	Begin Delivery of 185 JSECST Systems to the Navy and Marine Corps	Jul 03	Pending
NETC	Begin Intermediate Level Follow-On Training at NAMTRAU Lemoore and NAMTRA MARUNIT Cherry Point	Jul 03	Pending
DA	Attain MSD	May 05	Pending
DA	Attain NSD	May 05	Pending
AFMC	Complete Delivery of 121 JSECST Systems to the Air Force	Dec 05	Pending
DA	Complete Delivery of 185 Systems to the Navy and Marine Corps	Dec 05	Pending

PART VI - DECISION ITEMS / ACTION REQUIRED

DECISION ITEM OR ACTION REQUIRED	COMMAND ACTION	DUE DATE	STATUS
There are no decisions or actions required at this time.			

PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
CAPT John Chase Deputy Aviation Maintenance Programs CNO, N781B john.chase@navy.mil	**COMM:** (703) 604-7747 **DSN:** 664-7747 **FAX:** (703) 604-6972
CDR Bill Bergin Program / Resource Sponsor and SE Requirements Officer CNO, N781C2 william.bergin@navy.mil	**COMM:** (703) 604-7764 **DSN:** 664-7764 **FAX:** (703) 604-6994
AZC Daniel Burlile NTSP Manager CNO, N789H7 daniel.burlile@navy.mil	**COMM:** (703) 604-7709 **DSN:** 664-7709 **FAX:** (703) 604-6972
LCDR Jim Arend Aviation Manpower CNO, N122C1C n122c1c@bupers.navy.mil	**COMM:** (703) 695-3223 **DSN:** 225-3223 **FAX:** (703) 614-5308
CAPT Mike Disano Professional Development Division Director CNO, N00T3 mike.disano@navy.mil	**COMM:** (703) 602-5172 **DSN:** 332-5172 **FAX:** (703) 602-5175
Mr. Robert Zweibel Human Performance and Acquisition Assessment Division CNO, N00T46 robert.zweibel@navy.mil	**COMM:** (703) 602-5151 **DSN:** 332-5151 **FAX:** (703) 602-5175
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LTCOL Angela Clingman, USMC USMC Aircraft Maintenance Officer CMC, ASL-33 clingmanab@hqmc.usmc.mil	**COMM:** (703) 614-1187 **DSN:** 224-1187 **FAX:** (703) 697-7343
CAPT Tom Vandenberg Program Manager NAVAIR, PMA260 vandenbergtm@navair.navy.mil	**COMM:** (301) 757-6899 **DSN:** 757-6899 **FAX:** (301) 757-6902
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Mr. Jim Milligan Navy Assistant Program Manager for Logistics NAVAIR Point Mugu, 311000E james.milligan2@navy.mil	**COMM:** (805) 989-8721 **DSN:** 351-8721 **FAX:** (805) 989-0088

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