

**NAVY TRAINING SYSTEM PLAN**

**FOR THE**

**AN/AYK-14(V)**

**STANDARD AIRBORNE COMPUTER**

**N88-NTSP-A-50-8822B/A**

**NOVEMBER 2000**

## **AN/AYK-14(V) STANDARD AIRBORNE COMPUTER**

### **EXECUTIVE SUMMARY**

This Navy Training System Plan (NTSP) has been developed to identify the life cycle manpower, personnel, and training requirements associated with the AN/AYK-14(V) Standard Airborne Computer. The AN/AYK-14(V) was developed to perform a wide range of data processing functions while operating as a component part of a weapon system. The computer features a family of modules and chassis that can be used in unlimited combination. The AN/AYK-14(V) was introduced into the fleet as installed avionics on new production aircraft and through a retrofit program for established aircraft starting in 1982. The AN/AYK-14(V) is currently installed in the AV-8B, E-2C, EA-6B, EP-3E, F-14D, and F/A-18 aircraft, the SH-60B Helicopter, and the AN/SPN-46 Automatic Carrier Landing System. The AN/AYK-14(V) is post Milestone III Decision Point and in Acquisition Phase III (Production, Deployment, and Operational Support) of the Weapon System Acquisition Process.

The AN/AYK-14(V) is completely automatic in operation once power has been applied and requires no operator.

Organizational maintenance of the AN/AYK-14(V) is performed by Aviation Electronics Technicians (AT) with applicable aircraft Navy Enlisted Classifications (NEC) and Marine Corps personnel with applicable aircraft Military Occupational Specialties (MOS). Intermediate maintenance of the AN/AYK-14(V) is performed by ATs with NEC 6612 or NEC 6686 and Marine Corps personnel with MOS 6413. General Dynamics Information Systems, Bloomington, Minnesota, and the Naval Aviation Depot, North Island, California, are the designated depot level repair points for the AN/AYK-14(V). Manpower associated with the AN/AYK-14(V) is at a steady state and will not increase or decrease.

All initial training associated with the AN/AYK-14(V) has been completed. Follow-on organizational level maintenance training for the AN/AYK-14(V) is provided as part of the aircraft avionics systems organizational level maintenance course, and is addressed in the specific aircraft NTSP. Formal follow-on intermediate maintenance training for Navy ATs has been established and is currently available at MTU 1039 Naval Air Maintenance Unit (NAMTRAU) Oceana, Virginia, and at MTU 1038 NAMTRAU Lemoore, California. Follow-on intermediate maintenance training for Marine Corps personnel is accomplished through On-the-Job Training.

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**LIST OF ACRONYMS**

ACDU	Active Duty
ACLS	Automatic Carrier Landing System
AIMD	Aircraft Intermediate Maintenance Department
AMTCS	Aviation Maintenance Training Continuum System
AOB	Average Onboard
AT	Aviation Electronics Technician
AVC	Avionics Change
CAT	Computerized Automatic Tester
CFE	Contractor Furnished Equipment
CFY	Current Fiscal Year
CINCLANTFLT	Commander In Chief, Atlantic Fleet
CINCPACFLT	Commander In Chief, Pacific Fleet
CMC	Commandant Marine Corps
CNET	Chief of Naval Education and Training
CNO	Chief of Naval Operations
COMNAVRESFOR	Commander, Naval Reserve Force
CTS	Computer Test Set
CV	Aircraft Carrier
CVN	Aircraft Carrier, Nuclear
DA	Developing Agency
ECP	Engineering Change Proposal
FMS	Foreign Military Sales
FREST	Fleet Replacement Enlisted Skills Training
FY	Fiscal Year
GDIS	General Dynamics Information System
GFE	Government Furnished Equipment
GPETE	General Purpose Electronic Test Equipment
GPTE	General Purpose Test Equipment
IMA	Intermediate Maintenance Activity
LHA	Landing Ship, Helicopter Assault

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**LIST OF ACRONYMS**

LHD	Multi-Purpose Amphibious Assault Ship
MALS	Marine Aircraft Logistics Squadron
MATMEP	Maintenance Training Management and Evaluation Program
MCCDC	Marine Corps Combat Development Command
MCDS	Modified Computer Diagnostic Test Set
MCS	Mine Countermeasure Ship
MLV	Memory Loader Verifier
MOS	Military Occupational Specialty
MSD	Material Support Date
MTIP	Maintenance Training Improvement Program
MTU	Maintenance Training Unit
NA	Not Applicable
NADEP	Naval Aviation Depot
NAMTRAGRU DET	Naval Air Maintenance Training Group Detachment
NAMTRAU	Naval Air Maintenance Training Unit
NAVAIRSYSCOM	Naval Air Systems Command
NAVPERSCOM	Navy Personnel Command
NEC	Navy Enlisted Classification
NTSP	Navy Training System Plan
OJT	On-the-Job Training
OPEVAL	Operational Evaluation
OPNAV	Office of the Chief of Naval Operations
OPO	OPNAV Principal Official
P <sup>3</sup> I	Pre-Planned Product Improvement Program
PFY	Prior Fiscal Year
PMA	Program Manager, Air
PMOS	Primary Military Occupational Specialty
PNEC	Primary Navy Enlisted Classification
RFT	Ready For Training
SELRES	Selected Reserve
SMOS	Secondary Military Occupational Specialty
SNEC	Secondary Navy Enlisted Classification

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**LIST OF ACRONYMS**

SPETE	Special Purpose Electronic Test Equipment
SPTE	Special Purpose Test Equipment
SRA	Shop Replaceable Assembly
SRAID	SRA Isolation Diagnostics
TAR	Training and Administration of the Naval Reserve
TBD	To Be Determined
TD	Training Device
TECHEVAL	Technical Evaluation
TSA	Training Support Agency
TTE	Technical Training Equipment
UIC	Unit Identification Code
ULSS	User's Logistics Support Summary
VHSIC	Very High Speed Integrated Circuit
WRA	Weapon Replaceable Assembly

**AN/AYK-14(V) STANDARD AIRBORNE COMPUTER**

**PREFACE**

This Approved AN/AYK-14(V) Standard Airborne Computer Navy Training System Plan (NTSP) has been developed in accordance with guidelines set forth in the Navy Training Requirements Documentation Manual, Office of the Chief of Naval Operations (OPNAV) Publication P-751-1-9-97. This document incorporates comments on the Draft NTSP of May 2000. The majority of comments incorporated concerned updates to billets in Part II, and were submitted by the Navy Manpower Analysis Center.

**PART I - TECHNICAL PROGRAM DATA**

**A. NOMENCLATURE-TITLE-PROGRAM**

- 1. **Nomenclature-Title-Acronym.** AN/AYK-14(V) Standard Airborne Computer
- 2. **Program Element.** 64203N

**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 (N88)
- OPO Resource Sponsor ..... CNO (N88)
- Functional Mission Sponsor ..... CNO (N88)
- Developing Agency..... NAVAIRSYSCOM (PMA209)
- Training Agency ..... CINCLANTFLT  
CINCPACFLT  
CNET  
COMNAVRESFOR
- Training Support Agency ..... NAVAIRSYSCOM (PMA205)
- Manpower and Personnel Mission Sponsor ..... CNO (N12)  
NAVPERSCOM (PERS-4, PERS-404)
- Director of Naval Training ..... CNO (N7)
- Marine Corps Force Structure..... MCCDC (C53)

**D. SYSTEM DESCRIPTION**

1. **Operational Uses.** The AN/AYK-14(V) Standard Airborne Computer, hereafter referred to as the AN/AYK-14(V), was developed to perform a wide range of data processing

functions while operating as a component part of airborne systems. The AN/AYK-14(V) is installed in the AV-8B, E-2C, EA-6B, EP-3E, F-14D, and F/A-18 aircraft and the SH-60B Helicopter. Information regarding the specific employment of the AN/AYK-14(V) in each of these weapons systems can be found in the individual aircraft NTSP listed in Part I, paragraph M of this document. Additionally, the AN/AYK-14(V) is installed as part of the AN/SPN-46 Automatic Carrier Landing System (ACLS). The AN/SPN-46 ACLS NTSP, E-50-8206E/A, dated November 1999, addresses the manpower, personnel, and training requirements associated with the AN/SPN-46 ACLS, therefore, this information will not be duplicated in this document.

**2. Foreign Military Sales.** The AN/AYK-14(V) has been obtained by countries through Foreign Military Sales (FMS). For specific information concerning these FMS cases, refer to the program office, Naval Air Systems Command (NAVAIRSYSCOM), Program Manager, Air (PMA)209.

**E. DEVELOPMENTAL TEST AND OPERATIONAL TEST.** No Technical Evaluation (TECHEVAL) or Operational Evaluation (OPEVAL) was performed on the three configurations of the AN/AYK-14(V) as a stand-alone entity. TECHEVAL and OPEVAL of the systems using the AN/AYK-14(V) were completed by aircraft type. Evaluation of AN/AYK-14(V) Engineering Change Proposals (ECP) have been and will continue to be conducted by aircraft type. AN/AYK-14(V) ECP TECHEVAL and OPEVAL status is addressed in the applicable aircraft NTSP.

**F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED.** The AN/AYK-14(V) replaced the AN/AYQ-6A computer in the AN/ALQ-99 Tactical Jamming System used in the EA-6B aircraft and earlier versions of the AN/AYK-14(V) in the F-14D, AV-8B, and F/A-18 aircraft.

## **G. DESCRIPTION OF NEW DEVELOPMENT**

**1. Functional Description.** The AN/AYK-14(V) is a family of micro-programmed, general-purpose, 16-bit computers featuring a performance range of 400,000 to 1.2 million operations per second. The AN/AYK-14(V) was designed to operate in environments prescribed by MIL-E-5400. The computer features a high degree of functional and mechanical modularity designed for flexible growth and extensive hardware commonality over a wide range of applications. The AN/AYK-14(V) display architecture that is observed by the user is not affected by modular hardware configuration changes, permitting common firmware and support software for all users. The functional modules communicate via two identical internal buses. These high-speed, 24-bit parallel buses are the principal data transfer paths between processing modules, memory control, and the Input-Output channels. Additional interrupt and event control signals are transmitted via the event bus. Common module interfaces permit flexible module configurations and ensure that the addition of new module types will not require modifications to existing module or chassis types.

## 2. Physical Description

**a. Weapon Replaceable Assembly.** The AN/AYK-14(V) is a Weapon Replaceable Assembly (WRA) that is connected to other WRAs or subsystems by quick-disconnect cables. Except for the cooling fan power, all cabling connectors are on the front panel; for those configurations using fan cooling, the connector is located on the rear of the enclosure. The physical dimensions and weight of the AN/AYK-14(V) vary according to the application and configuration. The following table lists current program WRA configurations and their physical descriptions:

ACFT	AYK-14 MODEL	PART NUMBER	WEIGHT (LBS.)	DIMENSIONS (INCHES)		
				L	W	H
AV-8B	CP-2090	13219134-01	42.6	14.00	10.13	7.63
E-2C	CP-1501B	14889100-03	46.5	19.56	10.13	7.63
EA-6B	CP-1907	13213591-02	66.2	22.56	10.13	7.63
	CP-2357 *	13227844-01	44.0	24.88	10.13	7.63
	CP-1907A	13213591-03	68.7	22.56	10.13	7.63
EP-3E	CP-1799	1079AS1001-02	60.3	22.81	10.13	7.63
F-14D	CP-1700	13206140-19	44.9	14.00	10.13	7.63
	CP-2360	13225798-01	37.1	14.00	10.13	7.63
F/A-18	CP-2360	13206140-19	44.9	14.00	10.13	7.63
	CP-2359	13225798-01	36.0	14.00	10.13	7.63
	CP-1699A	13203471-20	44.8	14.00	10.13	7.63
	CP-1539A	13200988-02	42.4	14.00	10.13	7.63
SH-60B	CP-1878	1797AS1004-03	57.0	22.81	10.13	7.63

**Note:** CP-2357 is used only on Block 89A EA-6B aircraft.

**b. Shop Replaceable Assemblies.** Shop Replaceable Assemblies (SRA) mount in slots machined into the enclosure walls. The SRA locations are numbered and labeled from the enclosure front to back. Modules and enclosures contain provisions for keying to prevent improper module insertion into the enclosure. The modules, except power modules, consist of one or more multi-layered epoxy fiberglass-base printed wiring boards containing up to 140 surface-mounted electronic components. AN/AYK-14(V) SRA modules are nine inches long, six inches high, range from 0.45 to 1.45 inches wide, and weigh between 1.1 and 3.1 pounds. SRA power modules are 9.0 inches wide, 7.1 inches high, range from 14.0 to 24.88 inches long, and weigh between 12.0 and 24.5 pounds. A detailed listing of all AN/AYK-14(V) SRAs and their

physical dimensions is contained in the User's Logistics Support Summary (ULSS) identified in Part I, paragraph M. of this NTSP.

**3. New Development Introduction.** The AN/AYK-14(V) computer family spans three generations. The first generation AN/AYK-14(V) was introduced in 1979, followed by the second generation Pre-Planned Product Improvement Program (P<sup>3</sup>I) AN/AYK-14(V) in 1988, and the third generation VHSIC Processor AN/AYK-14(V) in 1992. All three generation AN/AYK-14(V)s were introduced as installed avionics on new production aircraft and through a retrofit program for established aircraft. AN/AYK-14(V) upgrades and modifications addressed in ECPs will be introduced as Avionics Changes (AVC) to the specific Type, Model, Series (TMS) aircraft affected. These AVCs are addressed in the applicable aircraft NTSP. The following table identifies active AN/AYK-14(V) ECPs.

<b>ECP</b>	<b>AIRCRAFT</b>	<b>AVC</b>	<b>STATUS</b>	<b>BEGIN DATE</b>	<b>COMPLETION DATE</b>
28-1	SH-60B	4294	Approved Oct 91	Sep 92	Jun 00
28-2	SH-60B	4294	Funded Aug 98	Sep 99	May 00
45	F/A-18	4480	Approved Jan 94 Last Procurement Sep 96	Sep 94	Sept 96
47	F/A-18	4695	Approved Aug 96	On hold	TBD
50	EA-6B	4892	Approved Apr 98	Feb 99	Jun 04
51	F/A-18	4694	Approved Aug 96	Oct 96	Sep 00
52	F-14D	4997	Approved Feb 00	Dec 01	Mar 01
54	EA-6B	5003	Approved May 00	Sept 00	Mar 01
55	F/A-18 Lot 12-18	5004	Approved May 00	Dec 00	TBD
560/ 583	F/A-18 USNR	TBD	Funded Dec 98	TBD	TBD

**4. Significant Interfaces.** The AN/AYK-14(V) Serial Interface Module has a dual-bus interface that provides communication between the computer and the external system. The dual-bus interface provides system redundancy when both buses connect to the same external equipment, although only one bus is active at a time. Sole control of information transmission on these buses resides with the operating bus controller. The AN/AYK-14(V) can be used in the

following types of airborne systems: mission control, weapons delivery, navigation, radar control, flight control, electronic warfare, pilot display subsystems, and Anti-Submarine Warfare.

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

## **H. CONCEPTS**

**1. Operational Concept.** AN/AYK-14(V) WRAs are designed as computational units and do not include an operator panel. The AN/AYK-14(V) is completely automatic in operation once aircraft power has been applied. The AN/AYK-14(V) has no pilot or user adjustments; therefore, no operator is required.

**2. Maintenance Concept.** AN/AYK-14(V) maintenance is performed in accordance with the Naval Aviation Maintenance Program, OPNAVINST 4790.2 series, which is based on three levels of maintenance; organizational, intermediate, and depot. Specific details on the various configurations of the AN/AYK-14(V) are provided in the AN/AYK-14(V) Maintenance Plan, AVMP-0208I, dated 1 June 1999.

**a. Organizational.** Organizational level maintenance of the AN/AYK-14(V) is performed by Aviation Electronics Technicians (AT), with applicable aircraft Navy Enlisted Classifications (NEC) and Marine Corps personnel with applicable aircraft Military Occupational Specialties (MOS) assigned to the Electronics Branch, Work Center 210, or the Troubleshooter Branch, Work Center 320. Organizational level maintenance is limited to corrosion control and troubleshooting enhanced by the use of computerized fault detection and isolation equipment and procedures.

**(1) Preventive Maintenance.** Preventive maintenance is limited to on-aircraft corrosion control.

**(2) Corrective Maintenance.** Corrective maintenance consists of removing and replacing faulty WRAs. Fault indications are displayed on a front panel Built-In Test indicator.

**b. Intermediate.** Intermediate maintenance of the AN/AYK-14(V) consists of fault isolation to the SRA level and replacement of the faulty SRA. Intermediate maintenance of AN/AYK-14(V) computers used in Navy EA-6B, EP-3E, F-14D, and F/A-18 aircraft, and SH-60B helicopters is performed by Navy ATs with NEC 6612, TACAN/Radio Navigation Equipment Intermediate Maintenance Activity (IMA) Technician, using either the AN/ASM-704 Modified Computer Diagnostic Test Set (MCDTS) or the AN/ASM-667 Computer Test Set (CTS), in conjunction with the AN/ASM-607(V)7 Memory Loader Verifier (MLV) and an SRA Isolation Diagnostics (SRAID) program. Intermediate maintenance of AN/AYK-14(V) computers used in Navy E-2C aircraft is performed by ATs with NEC 6686, AN/USM-429 Computerized Automatic Tester (CAT)-IIID Maintenance Technician, using the AN/USM-429 CAT-IIID. Intermediate maintenance of AN/AYK-14(V) computers used in Marine Corps AV-8B, EA-6B, and F/A-18 aircraft is performed by Marine Corps Avionics Maintenance Technicians

with MOS 6413. The following table identifies the specific test equipment used at each intermediate level maintenance activity to support the AN/AYK-14(V):

<b>MAINTENANCE ACTIVITY</b>	<b>MLV AND CTS</b>	<b>MCDTS</b>	<b>CAT IIID</b>
CV 63 USS Kitty Hawk		EA-6B F/A-18	E-2C
CV 64 USS Constellation		EA-6B F/A-18 F-14D	E-2C
CVN 65 USS Enterprise		EA-6B F/A-18	E-2C
CV 67 USS John F. Kennedy		EA-6B F/A-18	E-2C
CVN 68 USS Nimitz		EA-6B F/A-18	E-2C
CVN 69 USS Dwight D. Eisenhower		EA-6B F/A-18	E-2C
CVN 70 USS Carl Vinson		EA-6B F/A-18 F-14D	E-2C
CVN 71 USS Theodore Roosevelt		EA-6B F/A-18	E-2C
CVN 72 USS Abraham Lincoln		EA-6B F/A-18 F-14D	E-2C
CVN 73 USS George Washington		EA-6B F/A-18	E-2C
CVN 74 USS John C. Stennis		EA-6B F/A-18	E-2C
CVN 75 USS Harry S. Truman		EA-6B F/A-18	E-2C
CVN 76 USS Ronald Reagan		EA-6B F/A-18	E-2C
LHA 1 USS Tarawa		AV-8B	
LHA 2 USS Saipan		AV-8B	

<b>MAINTENANCE ACTIVITY</b>	<b>MLV AND CTS</b>	<b>MCDTS</b>	<b>CAT IIIID</b>
LHA 3 USS Belleau Wood		AV-8B	
LHA 4 USS Nassau		AV-8B	
LHA 5 USS Peleliu		AV-8B	
LHD 1 USS Wasp		AV-8B	
LHD 2 USS Essex		AV-8B	
LHD 3 USS Kearsarge		AV-8B	
LHD 4 USS Boxer		AV-8B	
LHD 5 USS Bataan		AV-8B	
LHD 6 Bonhomme Richard		AV-8B	
MALS-11 Miramar		F/A-18	
MALS-12 Iwakuni, Japan		EA-6B F/A-18	
MALS-13 Yuma		AV-8B	
MALS-14 Cherry Point		EA-6B AV-8B	
MALS-31 Beaufort		F/A-18	
AIMD NAF Washington		EA-6B F/A-18	
AIMD Atsugi, Japan	EA-6B SH-60B EP-3E		
AIMD JRB Fort Worth		F/A-18	
AIMD Lemoore		F/A-18	
AIMD Mayport	SH-60B		
AIMD New Orleans	F/A-18		
AIMD North Island	SH-60B		
AIMD Oceana		F-14D F/A-18	
AIMD Point Mugu			E-2C
AIMD Norfolk			E-2C

<b>MAINTENANCE ACTIVITY</b>	<b>MLV AND CTS</b>	<b>MCDTS</b>	<b>CAT IIIID</b>
Navy Test Wing Atlantic, Patuxent River	SH-60B	F/A-18 EA-6B F-14D	
AIMD Sigonella, Italy	SH-60B		
AIMD Whidbey Island		EA-6B EP-3E	
Mobile Maintenance Facility 1 Whidbey Island		EA-6B	
Mobile Maintenance Facility 2 Whidbey Island		EA-6B	
Mobile Maintenance Facility 3 Whidbey Island		EA-6B	
AIMD Rota, Spain	EP-3E		
AIMD Mayport	SH-60B		

**c. Depot.** General Dynamics Information Systems (GDIS), Bloomington, Minnesota, and Naval Aviation Depot (NADEP), North Island, California, are the designated repair points for the AN/AYK-14(V). GDIS is capable of repairing all configurations of the AN/AYK-14(V) and NADEP North Island has repair capabilities for some first and second-generation computers.

**3. Manning Concept.** The AN/AYK-14(V) alone does not drive any organizational level maintenance billets. AN/AYK-14(V) maintenance is part of the composite workload at the organizational level as driven by each aircraft squadron's Required Operating Capability/Projected Operating Environment. Refer to specific squadron Activity Manpower Documents or aircraft NTSPs for AT billet information. Marine Corps organizational level maintenance manpower requirements are addressed in the applicable squadron Table of Organization. At the intermediate level, Navy ATs with NEC 6612 and 6686 maintain the AN/AYK-14(V) along with similar related systems. Manpower requirements for ATs with NEC 6686 are addressed in the AN/USM-429 CAT III NTSP. IMA billet data for ATs with NEC 6612 was obtained from the Total Force Manpower Management System (TFMMS) and was used as the basis to determine student throughput in Parts II and III of this NTSP. Since the primary responsibility of ATs with NEC 6612 is the repair of TACAN and radio navigation equipment, only the billets at activities supporting the AN/AYK-14(V) are addressed in this NTSP. Intermediate maintenance of AN/AYK-14(V) computers used in Marine Corps aircraft is performed by Marine Corps Avionics Maintenance Technicians with MOS 6413. Marine Corps personnel with MOS 6413 acquire the

skills required to perform AN/AYK-14 intermediate maintenance through On-the-Job Training (OJT) and, therefore, are not included in Parts II and III of this NTSP.

#### 4. Training Concept

**a. Initial Training.** The AN/AYK-14(V) is a mature system. All initial training was completed over two decades ago.

#### b. Follow-on Training

##### (1) Operator. NA

**(2) Organizational Maintenance.** Organizational level maintenance training for the AN/AYK-14(V) is provided by Maintenance Training Units (MTU) at Naval Air Maintenance Training Group Detachments (NAMTRAGRU DET) and Marine Corps Fleet Replacement Enlisted Skills Training (FREST) locations as part of the avionics systems organizational level maintenance courses. Organizational level maintenance training is addressed in the specific aircraft NTSPs identified in Part I, paragraph M. of this NTSP. The following table identifies organizational level maintenance training by aircraft type and training location:

AIRCRAFT	NEC	MOS	COURSE	TRACK	LOCATIONS
F/A-18	8342	6317	C-102-9963	D/E-102-0630	MTU 1039 Naval Air Maintenance Training Unit (NAMTRAU) Oceana, Virginia  MTU 1038 NAMTRAU Lemoore, California  FREST, MCAS Miramar, California
F-14D	8335		C-102-9899	E-102-1630	MTU 1007 NAMTRAU Oceana, Virginia
AV-8B		6315	C-102-9895	M-102-0122	FREST, MCAS Cherry Point, North Carolina
SH-60B	8376		C-102-9406	D/E-102-0820	MTU 1066 NAMTRAGRU DET Mayport, Florida  MTU 1067 NAMTRAU North Island, California

AIRCRAFT	NEC	MOS	COURSE	TRACK	LOCATIONS
EP-3E	8319		C-102-9676	D/E-102-1128	MTU 1011 NAMTRAU Jacksonville, Florida  MTU 1012 NAMTRAU Whidbey Island, Washington
EA-6B	8332	6313	C-102-9966	E-102-0720	MTU 1083 NAMTRAU Whidbey Island, Washington
E-2C	8306		C-102-9480	D-102-0321	MTU 1026 NAMTRAU Norfolk, Virginia

### (3) Intermediate Maintenance

(a) Navy EA-6B, EP-3E, F-14D, F/A-18, and SH-60B. ATs with NEC 6612, TACAN/Radio Navigation Equipment IMA Technician, perform intermediate maintenance of the AN/AYK-14(V) computers used in Navy EA-6B, EP-3E, F-14D, and F/A-18 aircraft and SH-60B helicopters. Follow-on training is accomplished by attending course *C-102-4018, AN/AN/AYK-14(V) Digital Data Computer Intermediate Maintenance*, which is part of track *D/E-102-6113, TACAN Radio Navigation Equipment Intermediate Maintenance Pipeline*.

**Title** ..... **AN/AN/AYK-14(V) Digital Data Computer Intermediate Maintenance**

**CIN** ..... C-102-4018 part of track D/E-102-6113

**Model Manager** .. MTU 1038 NAMTRAU Lemoore

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

- AN/AYK-14 Cable Adapter Set
- AN/ASM-607 MLV
- AN/ASM-667 CTS
- AN/ASM-704 MCDTS
- Safety

Upon completion, the student will be able to perform as a AN/AYK-14(V) Intermediate Maintenance Technician in a shop environment under limited supervision.

**Locations** ..... MTU 1039 NAMTRAU Oceana  
MTU 1038 NAMTRAU Lemoore

**Length** ..... 9 days

RFT date ..... Currently available  
Skill identifier ..... None  
TTE/TD ..... Refer to elements IV.A.1 and IV.A.2 of this NTSP  
Prerequisites ..... C-100-2017, Avionics Technician I Level Class A1

**(b) Navy E-2C.** Intermediate maintenance of AN/AYK-14(V) computers used in Navy E-2C aircraft is performed by ATs with NEC 6686, AN/USM-429 CAT-IIIID Maintenance Technician. The training requirements for these billets are addressed in the AN/USM-429 CAT IIIID NTSP identified in Part I, paragraph M. of this NTSP.

**(c) Marine Corps AV-8B, EA-6B, and F/A-18.** Intermediate maintenance of AN/AYK-14(V) computers used in Marine Corps AV-8B, EA-6B, and F/A-18 aircraft is performed by Marine Corps Avionics Maintenance Technicians with MOS 6413. Marine Corps personnel with MOS 6413 acquire the skills required to perform AN/AYK-14 intermediate maintenance through OJT. Marine Corps Intermediate Level Avionics Maintenance Technicians do not receive any formal AN/AYK-14(V) training.

**c. Student Profiles**

<b>SKILL IDENTIFIER</b>	<b>PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS</b>
AT 6612, 6686	<ul style="list-style-type: none"> <li>◦ C-100-2020, Avionics Common Core Class A1</li> <li>◦ C-100-2017, Avionics Technician I Level Class A1</li> </ul>
MOS 6413	<ul style="list-style-type: none"> <li>◦ C-100-2020, Avionics Common Core Class A1</li> <li>◦ C-100-2017, Avionics Technician I Level Class A1</li> </ul>

**d. Training Pipelines. NA**

**I. ONBOARD (IN-SERVICE) TRAINING**

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

**a. Maintenance Training Improvement Program.** The Maintenance Training Improvement Program (MTIP) is used to establish an effective and efficient training system responsive to fleet training requirements. MTIP is a training management tool that, through diagnostic testing, identifies individual training deficiencies at the organizational and intermediate levels of maintenance. MTIP is the comprehensive testing of one's knowledge. It consists of a bank of test questions managed through automated data processing. The Deputy Chief of Staff for Training assisted in

development of MTIP by providing those question banks (software) already developed by the Navy. MTIP was implemented per OPNAVINST 4790.2 series. MTIP allows increased effectiveness in the application of training resources through identification of skills and knowledge deficiencies at the activity, work center, or individual technician level. Refresher training is concentrated where needed to improve identified skill and knowledge shortfalls. MTIP will be replaced by the Aviation Maintenance Training Continuum System (AMTCS). Current planning is for AMTCS to begin implementation for fleet deployment in March 2001.

Commander Naval Air Force U.S. Pacific Fleet has discontinued using MTIP. They are currently using maintenance data products as a source to determine maintenance training deficiencies until AMTCS is implemented.

**b. 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 business 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 CNO's 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 Aviation Maintenance Training Continuum System - Software Module that 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 Commercial Off-The-Shelf hardware and software, i.e., Fleet Training Devices, laptops, personnel computers, Electronic Classrooms, Learning Resource Centers, operating software, and network software and hardware.

Upon receipt of direction from OPNAV (N889H), 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 MTIP and Maintenance Training Management and Evaluation Program (MATMEP) programs.

## **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

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. MTIP questions coupled to MATMEP tasks will help identify training deficiencies that can be enhanced with refresher training. MATMEP is scheduled to be replaced by AMTCS beginning in the second quarter Fiscal Year (FY) 01.

## J. LOGISTICS SUPPORT

### 1. Manufacturer and Contract Numbers

CONTRACT NUMBER	MANUFACTURER	ADDRESS
N00163-96-D-0014	General Dynamics Information Systems	8800 Queen Avenue South Bloomington, MN 55431

**2. Program Documentation.** The AN/AYK-14(V) Integrated Logistics Support Detailed Specification, ILS-DS-30A-5B, was approved on 14 April 1982. The AN/AYK-14(V) Maintenance Plan, AVMP-0208I, was approved on 1 June 1999. The User's Logistics Support Summary for the Standard Airborne Computer AN/AYK-14(V), AV-ULSS-411 was revised in May 1999.

**3. Technical Data Plan.** Technical documentation required to support the AN/AYK-14(V) and its support equipment includes formal technical manuals, technical source data packages, and engineering documents and drawings. Naval Air Technical Data and Engineering Service Command (NATEC) San Diego, California, is responsible for AN/AYK-14 technical documentation. AN/AYK-14(V) intermediate maintenance manuals, depot level maintenance manuals, and Peculiar Support Equipment (PSE) technical manuals have been developed and distributed. Organizational level source data packages have been delivered to applicable aircraft program offices for incorporation into aircraft organizational level maintenance manuals. AN/AYK-14(V) intermediate maintenance technical manuals are identified in Part IV.B.3 of this NTSP. A detailed listing of AN/AYK-14(V) technical manuals is contained in the ULSS identified in Part I, paragraph M. of this NTSP.

**4. Test Sets, Tools, and Test Equipment.** No special test sets, tools, or test equipment are required to support AN/AYK-14(V) organizational level maintenance. Special test sets, tools, and test equipment are required and have been developed to support AN/AYK-14(V) intermediate and depot maintenance. Test sets and test equipment required to support AN/AYK-14(V) maintenance training are identified in element IV.A.1 of this NTSP.

**5. Repair Parts.** The Navy Inventory Control Point Philadelphia, Pennsylvania, is responsible for AN/AYK-14(V) supply support. The Material Support Date (MSD) for the first generation AN/AYK-14(V) was in 1980. The MSD for the second generation P<sup>3</sup>I AN/AYK-14(V) was September 1990. The MSD for the third generation VHSIC Processor AN/AYK-14(V) was November 1998. Information concerning supply support of AN/AYK-14(V) ECPs is contained in the applicable aircraft NTSP.

**6. Human Systems Integration.** NA

**K. SCHEDULES**

**1. Installation and Delivery Schedules.** The AN/AYK-14 is delivered as installed avionics in new production aircraft or as a retrofit to existing aircraft. In either case, the installation and delivery schedules are addressed in the applicable aircraft NTSPs.

**2. Ready For Operational Use Schedule.** The AN/AYK-14 is ready for operational use upon completion of installation.

**3. Time Required to Install at Operational Sites.** NA

**4. Foreign Military Sales and Other Source Delivery Schedule.** For information concerning FMS delivery schedules, refer to the program office, NAVAIRSYSCOM, PMA209.

**5. Training Device and Technical Training Equipment Delivery Schedule.** Training Devices (TD) and Technical Training Equipment (TTE) required to support organizational level maintenance are addressed in the applicable aircraft NTSP. TD and TTE required to support intermediate level maintenance training have been delivered and installed at each training location. AN/AYK-14(V) TD and TTE intermediate level maintenance training requirements are addressed in elements IV.A.1 and IV.A.2 of this NTSP.

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

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

<b>DOCUMENT OR NTSP TITLE</b>	<b>DOCUMENT OR NTSP NUMBER</b>	<b>PDA CODE</b>	<b>STATUS</b>
T/AV-8B Harrier II Weapon System Navy Training System Plan	A-50-8210D/D	PMA257	Draft Aug 99
E-2C Hawkeye 2000 Navy Training System Plan	A-50-8716D/A	PMA231	Approved Nov 97

<b>DOCUMENT OR NTSP TITLE</b>	<b>DOCUMENT OR NTSP NUMBER</b>	<b>PDA CODE</b>	<b>STATUS</b>
EA-6B Improved Capability Modification II and III Navy Training System Plan	A-50-7904D/D	PMA234	Draft Jul 00
EP-3E ARIES II SSIP Aircraft	A-50-8605D/D	PMA290	Draft May 00
F-14A, B, and D Aircraft Navy Training System Plan	A-50-8511B/P	PMA241	Approved Mar 00
F/A-18 Aircraft Navy Training System Plan	A-50-9201B/D	PMA265	Draft Mar 00
Light Airborne Multipurpose System (LAMPS) MK III Navy Training System Plan	A-50-7702D	PMA299	Draft Nov 97
AN/SPN-46(V) Automatic Carrier Landing System Navy Training System Plan	E-50-8206E/A	PMA213	Approved Nov 99
AN/USM-429(V)1 Computerized Automatic Tester CAT-IIID(V)1 Navy Training System Plan	A-50-8709B/A	PMA260	Approved May 99
Standard Airborne Computer AN/AYK-14(V) Integrated Logistics Support Detailed Specifications	ILS-DS-30A-5B	PMA209	Approved Apr 82
Standard Airborne Computer AN/AYK-14(V) Maintenance Plan	AVMP-0208I	PMA209	Approved Jun 99
User's Logistics Support Summary for the Standard Airborne Computer AN/AYK-14(V)	AV-ULSS-411 Revision C	PMA209	Approved May 99

## **PART II - BILLET AND PERSONNEL REQUIREMENTS**

The following elements are not affected by the AN/AYK-14(V) and, therefore, are not included in Part II of this NTSP:

### **II.A. Billet Requirements**

#### **II.A.2.b. 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:** NAVAIRSYSCOM 3.4.1

**DATE:** 2/1/2000

<b>ACTIVITY, UIC</b>	<b>PFYs</b>	<b>CFY01</b>	<b>FY02</b>	<b>FY03</b>	<b>FY04</b>	<b>FY05</b>
<b>FLEET SUPPORT ACTIVITIES - NAVY</b>						
AIMD Mayport	45459	1	0	0	0	0
AIMD Norfolk	44325	1	0	0	0	0
AIMD Oceana	44327	1	0	0	0	0
AIMD Rota	44374	1	0	0	0	0
AIMD Sigonella	44330	1	0	0	0	0
CV 67, USS John F. Kennedy	03367	1	0	0	0	0
CVN 65, USS Enterprise	03365	1	0	0	0	0
CVN 69, USS Dwight D. Eisenhower	03369	1	0	0	0	0
CVN 71, USS Theodore Roosevelt	21247	1	0	0	0	0
CVN 73, USS George Washington	21412	1	0	0	0	0
CVN 75, USS Harry S. Truman	21853	1	0	0	0	0
CVN 76, USS Ronald Reagan	03368	0	0	1	0	0
LHA 2, USS Saipan	20632	1	0	0	0	0
LHA 4, USS Nassau	20725	1	0	0	0	0
LHD 1, USS Wasp	21560	1	0	0	0	0
LHD 3, USS Kearsarge	21700	1	0	0	0	0
LHD 5, USS Bataan	21879	1	0	0	0	0
MCS 12, USS Inchon	20009	1	0	0	0	0
Navy Test Wing Atlantic, Patuxent River	39782	1	0	0	0	0
Reserve AIMD New Orleans	44490	1	0	0	0	0
Reserve AIMD Washington D.C.	44492	1	0	0	0	0
SEAOPDET Oceana	46963	1	0	0	0	0
AIMD Atsugi	44323	1	0	0	0	0
AIMD Lemoore	44321	1	0	0	0	0
AIMD North Island	44326	1	0	0	0	0
AIMD Whidbey Island	44329	1	0	0	0	0
CV 63, USS Kitty Hawk	03363	1	0	0	0	0
CV 64, USS Constellation	03364	1	0	0	0	0
CVN 68, USS Nimitz	03368	1	0	0	0	0
CVN 70, USS Carl Vinson	20993	1	0	0	0	0
CVN 72, USS Abraham Lincoln	21297	1	0	0	0	0
CVN 74, USS John C. Stennis	21847	1	0	0	0	0
LHA 1, USS Tarawa	20550	1	0	0	0	0
LHA 3, USS Belleau Wood	20633	1	0	0	0	0
LHA 5, USS Peleliu	20748	1	0	0	0	0
LHD 2, USS Essex	21533	1	0	0	0	0
LHD 4, USS Boxer	21808	1	0	0	0	0
LHD 6, USS Bonhomme Richard	22202	1	0	0	0	0
MMF 1 Whidbey Island	46967	1	0	0	0	0
MMF 2 Whidbey Island	46967	1	0	0	0	0
MMF 3 Whidbey Island	46967	1	0	0	0	0
Reserve AIMD Fort Worth	44487	1	0	0	0	0

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

**SOURCE:** NAVAIRSYSCOM 3.4.1

**DATE:** 2/1/2000

<b>ACTIVITY, UIC</b>		<b>PFYs</b>	<b>CFY01</b>	<b>FY02</b>	<b>FY03</b>	<b>FY04</b>	<b>FY05</b>
SEAOPDET Lemoore	46964	1	0	0	0	0	0
SEAOPDET Whidbey Island	46967	1	0	0	0	0	0
<b>TOTAL:</b>		43	0	1	0	0	0

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
FLEET SUPPORT ACTIVITIES - NAVY					
<b>AIMD Mayport, 45459</b>					
ACDU	0	1	AT3	6612	
<b>ACTIVITY TOTAL:</b>	0	1			
<b>AIMD Norfolk, 44325</b>					
ACDU	0	1	AT3	6612	6609
<b>ACTIVITY TOTAL:</b>	0	1			
<b>AIMD Oceana, 44327</b>					
ACDU	0	1	AT3	6612	
<b>ACTIVITY TOTAL:</b>	0	1			
<b>AIMD Rota, 44374</b>					
ACDU	0	1	AT2	6612	
<b>ACTIVITY TOTAL:</b>	0	1			
<b>AIMD Sigonella, 44330</b>					
ACDU	0	1	AT2	6612	6606
<b>ACTIVITY TOTAL:</b>	0	1			
<b>CV 67, USS John F. Kennedy, 03367</b>					
ACDU	0	1	AT2	6612	
<b>ACTIVITY TOTAL:</b>	0	1			
<b>CVN 65, USS Enterprise, 03365</b>					
ACDU	0	1	AT2	6612	
<b>ACTIVITY TOTAL:</b>	0	1			
<b>CVN 69, USS Dwight D. Eisenhower, 03369</b>					
ACDU	0	1	AT2	6612	
<b>ACTIVITY TOTAL:</b>	0	1			
<b>CVN 71, USS Theodore Roosevelt, 21247</b>					
ACDU	0	1	AT2	6612	
<b>ACTIVITY TOTAL:</b>	0	1			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
<b>CVN 73, USS George Washington, 21412</b>					
ACDU	0	1	AT2	6612	
<b>ACTIVITY TOTAL:</b>	0	1			
<b>CVN 75, USS Harry S. Truman, 21853</b>					
ACDU	0	1	AT2	6612	
<b>ACTIVITY TOTAL:</b>	0	1			
<b>CVN 76, USS Ronald Reagan, 03368, FY02 Increment</b>					
ACDU	0	1	AT2	6612	
<b>ACTIVITY TOTAL:</b>	0	1			
<b>LHA 2, USS Saipan, 20632</b>					
ACDU	0	1	AT3	6605	6612
<b>ACTIVITY TOTAL:</b>	0	1			
<b>LHA 4, USS Nassau, 20725</b>					
ACDU	0	1	AT2	6612	6606
<b>ACTIVITY TOTAL:</b>	0	1			
<b>LHD 1, USS Wasp, 21560</b>					
ACDU	0	1	AT3	6612	6605
<b>ACTIVITY TOTAL:</b>	0	1			
<b>LHD 3, USS Kearsarge, 21700</b>					
ACDU	0	1	AT3	6612	6605
<b>ACTIVITY TOTAL:</b>	0	1			
<b>LHD 5, USS Bataan, 21879</b>					
ACDU	0	1	AT3	6612	6605
<b>ACTIVITY TOTAL:</b>	0	1			
<b>MCS 12, USS Inchon, 20009</b>					
TAR	0	1	AT3	6612	6605
<b>ACTIVITY TOTAL:</b>	0	1			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
<b>Navy Test Wing Atlantic, Patuxent River, 39782</b>					
ACDU	0	1	AT3	6612	
<b>ACTIVITY TOTAL:</b>	<b>0</b>	<b>1</b>			
<b>Reserve AIMD New Orleans, 44490</b>					
TAR	0	1	ATAN	6612	
<b>ACTIVITY TOTAL:</b>	<b>0</b>	<b>1</b>			
<b>Reserve AIMD Washington D.C., 44492</b>					
TAR	0	1	ATAN	6612	
<b>ACTIVITY TOTAL:</b>	<b>0</b>	<b>1</b>			
<b>SEAOPDET Oceana, 46963</b>					
ACDU	0	5	AT2	6612	6605
	0	3	AT3	6612	6605
<b>ACTIVITY TOTAL:</b>	<b>0</b>	<b>8</b>			
<b>AIMD Atsugi, 44323</b>					
SELRES	0	1	AT2	6612	
<b>ACTIVITY TOTAL:</b>	<b>0</b>	<b>1</b>			
<b>AIMD Lemoore, 44321</b>					
ACDU	0	1	AT2	6612	
<b>ACTIVITY TOTAL:</b>	<b>0</b>	<b>1</b>			
<b>AIMD North Island, 44326</b>					
ACDU	0	1	AT2	6612	
<b>ACTIVITY TOTAL:</b>	<b>0</b>	<b>1</b>			
<b>AIMD Whidbey Island, 44329</b>					
ACDU	0	1	AT3	6612	
<b>ACTIVITY TOTAL:</b>	<b>0</b>	<b>1</b>			
<b>CV 63, USS Kitty Hawk, 03363</b>					
ACDU	0	1	AT2		6612
<b>ACTIVITY TOTAL:</b>	<b>0</b>	<b>1</b>			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
<b>CV 64, USS Constellation, 03364</b>					
ACDU	0	1	AT2	6612	
<b>ACTIVITY TOTAL:</b>	0	1			
<b>CVN 68, USS Nimitz, 03368</b>					
ACDU	0	1	AT2	6612	
<b>ACTIVITY TOTAL:</b>	0	1			
<b>CVN 70, USS Carl Vinson, 20993</b>					
ACDU	0	1	AT2	6612	
<b>ACTIVITY TOTAL:</b>	0	1			
<b>CVN 72, USS Abraham Lincoln, 21297</b>					
ACDU	0	1	AT2	6612	
<b>ACTIVITY TOTAL:</b>	0	1			
<b>CVN 74, USS John C. Stennis, 21847</b>					
ACDU	0	1	AT1	6612	9502
<b>ACTIVITY TOTAL:</b>	0	1			
<b>LHA 1, USS Tarawa, 20550</b>					
ACDU	0	1	AT3	6605	6612
<b>ACTIVITY TOTAL:</b>	0	1			
<b>LHA 3, USS Belleau Wood, 20633</b>					
ACDU	0	1	AT3	6605	6612
<b>ACTIVITY TOTAL:</b>	0	1			
<b>LHA 5, USS Peleliu, 20748</b>					
ACDU	0	1	AT3	6605	6612
<b>ACTIVITY TOTAL:</b>	0	1			
<b>LHD 2, USS Essex, 21533</b>					
ACDU	0	1	AT3	6612	6605
<b>ACTIVITY TOTAL:</b>	0	1			

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

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
<b>LHD 4, USS Boxer, 21808</b>					
ACDU	0	1	AT3	6612	6605
<b>ACTIVITY TOTAL:</b>	0	1			
<b>LHD 6, USS Bonhomme Richard, 22202</b>					
ACDU	0	1	AT3	6612	6605
<b>ACTIVITY TOTAL:</b>	0	1			
<b>MMF 1 Whidbey Island, 46967</b>					
ACDU	0	1	ATAN	6612	
<b>ACTIVITY TOTAL:</b>	0	1			
<b>MMF 2 Whidbey Island, 46967</b>					
ACDU	0	1	ATAN	6612	
<b>ACTIVITY TOTAL:</b>	0	1			
<b>MMF 3 Whidbey Island, 46967</b>					
ACDU	0	1	ATAN	6612	
<b>ACTIVITY TOTAL:</b>	0	1			
<b>Reserve AIMD Fort Worth, 44487</b>					
TAR	0	1	AT3	6612	
<b>ACTIVITY TOTAL:</b>	0	1			
<b>SEAOPDET Lemoore, 46964</b>					
ACDU	0	4	AT2	6612	6605
<b>ACTIVITY TOTAL:</b>	0	4			
<b>SEAOPDET Whidbey Island, 46967</b>					
ACDU	0	9	AT2	6612	6605
<b>ACTIVITY TOTAL:</b>	0	9			

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY01		FY02		FY03		FY04		FY05	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
AT1	6612 9502		1		0		0		0		0		0
AT2	6612		1		0		0		0		0		0
AT2	6612		13		0		1		0		0		0
AT2	6612 6605		18		0		0		0		0		0
AT2	6612 6606		2		0		0		0		0		0
AT3	6605 6612		4		0		0		0		0		0
AT3	6612		4		0		0		0		0		0
AT3	6612 6605		9		0		0		0		0		0
AT3	6612 6609		1		0		0		0		0		0
ATAN	6612		3		0		0		0		0		0
NAVY FLEET SUPPORT ACTIVITIES - TAR													
AT3	6612		1		0		0		0		0		0
AT3	6612 6605		1		0		0		0		0		0
ATAN	6612		2		0		0		0		0		0
NAVY FLEET SUPPORT ACTIVITIES - SELRES													
AT2	6612		1		0		0		0		0		0
<b>SUMMARY TOTALS:</b>													
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
			56		0		1		0		0		0
NAVY FLEET SUPPORT ACTIVITIES - TAR													
			4		0		0		0		0		0
NAVY FLEET SUPPORT ACTIVITIES - SELRES													
			1		0		0		0		0		0
<b>GRAND TOTALS:</b>													
NAVY - ACDU													
			56		0		1		0		0		0
NAVY - TAR													
			4		0		0		0		0		0
NAVY - SELRES													
			1		0		0		0		0		0

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

**SOURCE:** NAVAIRSYSCOM 3.4.1.1

**DATE:** 2/1/2000

<b>ACTIVITY, UIC</b>		<b>PFYs</b>	<b>CFY01</b>	<b>FY02</b>	<b>FY03</b>	<b>FY04</b>	<b>FY05</b>
FLEET SUPPORT ACTIVITIES - NAVY CV 64 USS Constellation	03364	0	0	1	0	0	0
<b>TOTAL:</b>		0	0	1	0	0	0

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

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY01		FY02		FY03		FY04		FY05	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
AT2	6612		1		0		-1		0		0		0
<b>SUMMARY TOTALS:</b>													
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
			1		0		-1		0		0		0
<b>GRAND TOTALS:</b>													
NAVY - ACDU													
			1		0		-1		0		0		0

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

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

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

**INSTRUCTOR BILLETS**

ACDU															
AT1	6612	9502	0	1	0	1	0	1	0	1	0	1	0	1	
<b>TOTAL:</b>			0	1	0	1	0	1	0	1	0	1	0	1	

**TRAINING ACTIVITY, LOCATION, UIC:** MTU 1039, NAS Oceana, 66050

**INSTRUCTOR BILLETS**

ACDU															
AT1	6612	9502	0	1	0	1	0	1	0	1	0	1	0	1	
<b>TOTAL:</b>			0	1	0	1	0	1	0	1	0	1	0	1	

**Note:** One instructor at each training location has been identified as being chargeable to the AYK-14(V). The nine-day course C-102-4018, AN/AYK14(V)Digital Data Computer Intermediate Maintenance, is part of the 37-day track D/E-102-6113, TACAN Radio Navigation Equipment Intermediate Maintenance. Four instructors are assigned to the track at each training location.

**II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS**

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs		CFY01		FY02		FY03		FY04		FY05	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1039, NAS Oceana, 66050	NAVY		0.8		0.8		0.9		0.8		0.8		0.8
MTU 1038, NAS Lemoore, 66060	NAVY		0.8		0.8		0.8		0.7		0.7		0.7
<b>SUMMARY TOTALS:</b>													
	NAVY		1.6		1.6		1.7		1.5		1.5		1.5
<b>GRAND TOTALS:</b>													
			1.6		1.6		1.7		1.5		1.5		1.5

**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
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**a. OFFICER - USN** Not Applicable

**b. ENLISTED - USN**

Fleet Support Billets ACDU and TAR

AT1	6612	9502	1	0	1	0	1	0	1	0	1	0	1
AT2		6612	1	0	1	0	1	0	1	0	1	0	1
AT2	6612		13	0	13	0	13	0	13	0	13	0	13
AT2	6612	6605	18	0	18	0	18	0	18	0	18	0	18
AT2	6612	6606	2	0	2	0	2	0	2	0	2	0	2
AT3	6605	6612	4	0	4	0	4	0	4	0	4	0	4
AT3	6612		5	0	5	0	5	0	5	0	5	0	5
AT3	6612	6605	10	0	10	0	10	0	10	0	10	0	10
AT3	6612	6609	1	0	1	0	1	0	1	0	1	0	1
ATAN	6612		5	0	5	0	5	0	5	0	5	0	5

Staff Billets ACDU and TAR

AT1	6612	9502	2	0	2	0	2	0	2	0	2	0	2
-----	------	------	---	---	---	---	---	---	---	---	---	---	---

Chargeable Student Billets ACDU and TAR

			2	0	2	0	2	0	2	0	2	0	2
--	--	--	---	---	---	---	---	---	---	---	---	---	---

SELRES Billets

AT2	6612		1	0	1	0	1	0	1	0	1	0	1
-----	------	--	---	---	---	---	---	---	---	---	---	---	---

**TOTAL USN ENLISTED BILLETS:**

Fleet Support			60	0	60	0	60	0	60	0	60	0	60
---------------	--	--	----	---	----	---	----	---	----	---	----	---	----

Staff			2	0	2	0	2	0	2	0	2	0	2
-------	--	--	---	---	---	---	---	---	---	---	---	---	---

Chargeable Student			2	0	2	0	2	0	2	0	2	0	2
--------------------	--	--	---	---	---	---	---	---	---	---	---	---	---

SELRES			1	0	1	0	1	0	1	0	1	0	1
--------	--	--	---	---	---	---	---	---	---	---	---	---	---

**c. OFFICER - USMC** Not Applicable

**d. ENLISTED - USMC** Not Applicable

**II.B. PERSONNEL REQUIREMENTS**

**II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS**

**CIN, COURSE TITLE:** D-102-6113, TACAN Radio Navigation Equipment Intermediate Maintenance  
**COURSE LENGTH:** 5.8 Weeks **NAVY TOUR LENGTH:** 36 Months  
**ATTRITION FACTOR:** Navy: 10% **BACKOUT FACTOR:** 0.12

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY01		FY02		FY03		FY04		FY05	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1039, NAS Oceana												
	NAVY	ACDU		7		8		7		7		7
		TAR		1		1		1		1		1
		TOTAL:		8		9		8		8		8

**CIN, COURSE TITLE:** E-102-6113, TACAN Radio Navigation Equipment Intermediate Maintenance  
**COURSE LENGTH:** 5.8 Weeks **NAVY TOUR LENGTH:** 36 Months  
**ATTRITION FACTOR:** Navy: 10% **BACKOUT FACTOR:** 0.12

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY01		FY02		FY03		FY04		FY05	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1038, NAS Lemoore												
	NAVY	ACDU		8		8		7		7		7
		TAR		0		0		0		0		0
		SELRES		0		0		0		0		0
		TOTAL:		8		8		7		7		7

## PART III - TRAINING REQUIREMENTS

The following elements are not affected by the AN/AYK-14(V) and, therefore, are not included in Part III of this NTSP:

III.A.1. Initial Training Requirements

III.A.2. Follow-on Training

III.A.2.b. Planned Courses

III.A.2.c. Unique Courses

III.A.3. Existing Training Phased Out

**III.A.2. FOLLOW-ON TRAINING**

**III.A.2.a. EXISTING COURSES**

**CIN, COURSE TITLE:** D-102-6113, TACAN Radio Navigation Equipment Intermediate Maintenance

**TRAINING ACTIVITY:** MTU 1039

**LOCATION, UIC:** NAS Oceana, 66050

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

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	8		9		8		8		8	ATIR
	7		8		7		7		7	Output
	0.2		0.2		0.2		0.2		0.2	AOB
	0.2		0.2		0.2		0.2		0.2	Chargeable

**CIN, COURSE TITLE:** E-102-6113, TACAN Radio Navigation Equipment Intermediate Maintenance

**TRAINING ACTIVITY:** MTU 1038

**LOCATION, UIC:** NAS Lemoore, 66060

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

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	8		8		7		7		7	ATIR
	7		7		6		6		6	Output
	0.2		0.2		0.2		0.2		0.2	AOB
	0.2		0.2		0.2		0.2		0.2	Chargeable

## **PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS**

The following elements are not affected by the AN/AYK-14(V) and, therefore, are not included in Part IV of this NTSP:

IV.B.1. Training Services

IV.C. Facility Requirements

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

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

IV.C.3. Facility Project Summary by Program

**PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS**

**IV.A. TRAINING HARDWARE**

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

**CIN, COURSE TITLE:** C-102-4018, AN/AYK-14(V) Digital Data Computer Intermediate Maintenance (Track D-102-6113)

**TRAINING ACTIVITY:** MTU 1039

**LOCATION, UIC:** NAMTRAU Oceana, 66050

<b>ITEM NO.</b>	<b>EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS</b>	<b>QTY REQD</b>	<b>DATE REQD</b>	<b>GFE CFE</b>	<b>STATUS</b>
<b>TTE</b>					
001	Computer Processor ((CP-1539A/AYK-14(V))	1	Jan 98	GFE	Onboard
002	Computer Processor ((CP-1659A/AYK-14(V))	1	Jan 98	GFE	Onboard
003	Auxiliary Cooling Fan (14761700-01)	1	Jan 98	GFE	Onboard
<b>ST</b>					
020	Module Extractor (14761500-01)	1	Jan 98	GFE	Onboard
021	Mounting Fixture (14761600-01)	1	Jan 98	GFE	Onboard
022	C-12 Cable Assembly (13213133-01)	1	Jan 98	GFE	Onboard
023	C-13 Cable Assembly (13213134-1)	1	Jan 98	GFE	Onboard
024	C-14 Cable Assembly (13213135-1)	1	Jan 98	GFE	Onboard
025	C-15 Cable Assembly (13213136-1)	1	Jan 98	GFE	Onboard
<b>SPETE</b>					
010	AN/ASM-704 MCDTS (40AYK2000-1)	1	Jan 00	GFE	Onboard
011	AN/ASM-607(V) MLV (1164AS230-7)	1	Jan 98	GFE	Onboard
012	Tape Transport Unit with SRAID (109ASSML VXX)	1	Jan 98	GFE	Onboard
013	AN/ASM-608(V) CTS (14736100-01)	1	Jan 98	GFE	Onboard
014	Test Dummy Connector Plug (14749300-01)	1	Jan 98	GFE	Onboard
015	Test Dummy Connector Plug (17479200-01)	1	Jan 98	GFE	Onboard
016	Test Cable Assembly (14749100-01)	1	Jan 98	GFE	Onboard
017	Test Cable Assembly (14748900-01)	1	Jan 98	GFE	Onboard
018	Test Cable Assembly (14749000-01)	1	Jan 98	GFE	Onboard
019	Test Cable Assembly (14736200-01)	1	Jan 98	GFE	Onboard

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

**CIN, COURSE TITLE:** C-102-4018, AN/AYK-14(V) Digital Data Computer Intermediate Maintenance (Track E-102-6113)

**TRAINING ACTIVITY:** MTU 1038

**LOCATION, UIC:** NAMTRAU Lemoore, 66060

<b>ITEM NO.</b>	<b>EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS</b>	<b>QTY REQD</b>	<b>DATE REQD</b>	<b>GFE CFE</b>	<b>STATUS</b>
<b>TTE</b>					
001	Computer Processor ((CP-1539A/AYK-14(V))	1	Jan 98	GFE	Onboard
002	Computer Processor ((CP-1659A/AYK-14(V))	1	Jan 98	GFE	Onboard
003	Auxiliary Cooling Fan (14761700-01)	1	Jan 98	GFE	Onboard
<b>ST</b>					
020	Module Extractor (14761500-01)	1	Jan 98	GFE	Onboard
021	Mounting Fixture (14761600-01)	1	Jan 98	GFE	Onboard
022	C-12 Cable Assembly (13213133-01)	1	Jan 98	GFE	Onboard
023	C-13 Cable Assembly (13213134-1)	1	Jan 98	GFE	Onboard
024	C-14 Cable Assembly (13213135-1)	1	Jan 98	GFE	Onboard
025	C-15 Cable Assembly (13213136-1)	1	Jan 98	GFE	Onboard
<b>SPETE</b>					
010	AN/ASM-704 MCDTS (40AYK2000-1)	1	Jan 00	GFE	Onboard
011	AN/ASM-607(V) MLV (1164AS230-7)	1	Jan 98	GFE	Onboard
012	Tape Transport Unit with SRAID (109ASSML VXX)	1	Jan 98	GFE	Onboard
013	AN/ASM-608(V) CTS (14736100-01)	1	Jan 98	GFE	Onboard
014	Test Dummy Connector Plug (14749300-01)	1	Jan 98	GFE	Onboard
015	Test Dummy Connector Plug (14749200-01)	1	Jan 98	GFE	Onboard
016	Test Cable Assembly (14749100-01)	1	Jan 98	GFE	Onboard
017	Test Cable Assembly (14748900-01)	1	Jan 98	GFE	Onboard
018	Test Cable Assembly (14749000-01)	1	Jan 98	GFE	Onboard
019	Test Cable Assembly (14736200-01)	1	Jan 98	GFE	Onboard

**IV.A.2. TRAINING DEVICES**

**DEVICE:** Faultable Core Memory Module  
**DESCRIPTION:** This faultable SRA is used to teach AN/AYK-14(V) core memory troubleshooting. It contains switches that permit the insertion of up to five faults or allow normal operations of the module.  
**MANUFACTURER:** GDIS  
**CONTRACT NUMBER:** N00163-96-D-001  
**TEE STATUS:** Onboard

**TRAINING ACTIVITY:** MTU 1039  
**LOCATION, UIC :** NAMTRAU Oceana, 66050

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Jan 98	Jan 98	Onboard	C-102-4018 (Track D-102-6113)

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

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Jan 98	Jan 98	Onboard	C-102-4018 (Track E-102-6113)

**DEVICE:** Faultable Discrete and Serial Module  
**DESCRIPTION:** This faultable SRA is used to teach AN/AYK-14(V) discrete and serial module troubleshooting. It contains switches that permit the insertion of up to five faults or allow normal operations of the module.  
**MANUFACTURER:** GDIS  
**CONTRACT NUMBER:** N00163-98-D-001  
**TEE STATUS:** Onboard

**TRAINING ACTIVITY:** MTU 1039  
**LOCATION, UIC :** NAMTRAU Oceana, 66050

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Jan 98	Jan 98	Onboard	C-102-4018 (Track D-102-6113)

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

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Jan 98	Jan 98	Onboard	C-102-4018 (Track E-102-6113)

**IV.A.2. TRAINING DEVICES**

**DEVICE:** Faultable Discrete Interface Module  
**DESCRIPTION:** This faultable SRA is used to teach AN/AYK-14(V) discrete interface troubleshooting. It contains switches that permit the insertion of up to five faults or allow normal operations of the module.  
**MANUFACTURER:** GDIS  
**CONTRACT NUMBER:** N00163-96-D-001  
**TEE STATUS:** Onboard

**TRAINING ACTIVITY:** MTU 1039  
**LOCATION, UIC :** NAMTRAU Oceana, 66050

<b>QTY REQD</b>	<b>DATE REQD</b>	<b>RFT DATE</b>	<b>STATUS</b>	<b>COURSES SUPPORTED</b>
1	Jan 98	Jan 98	Onboard	C-102-4018 (Track D-102-6113)

**DEVICE:** Faultable General Processor Module  
**DESCRIPTION:** This faultable SRA is used to teach AN/AYK-14(V) general processor module troubleshooting. It contains switches that permit the insertion of up to five faults or allow normal operation of the module.  
**MANUFACTURER:** GDIS  
**CONTRACT NUMBER:** N00163-96-D-0014  
**TEE STATUS:** Onboard

**TRAINING ACTIVITY:** MTU 1039  
**LOCATION, UIC :** NAMTRAU Oceana, 66050

<b>QTY REQD</b>	<b>DATE REQD</b>	<b>RFT DATE</b>	<b>STATUS</b>	<b>COURSES SUPPORTED</b>
1	Jan 98	Jan 98	Onboard	C-102-4018 (Track D-102-6113)

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

<b>QTY REQD</b>	<b>DATE REQD</b>	<b>RFT DATE</b>	<b>STATUS</b>	<b>COURSES SUPPORTED</b>
1	Jan 98	Jan 98	Onboard	C-102-4018 (Track E-102-6113)

**IV.A.2. TRAINING DEVICES**

**DEVICE:** Faultable Input/Output Processor  
**DESCRIPTION:** This faultable SRA is used to teach AN/AYK-14(V) input/output processor troubleshooting. It contains switches that permit the insertion of up to five faults or allow normal operations of the processor.  
**MANUFACTURER:** GDIS  
**CONTRACT NUMBER:** N00163-96-D-001  
**TEE STATUS:** Onboard

**TRAINING ACTIVITY:** MTU 1039  
**LOCATION, UIC :** NAMTRAU Oceana, 66050

QTY	DATE	RFT		COURSES
REQD	REQD	DATE	STATUS	SUPPORTED
1	Jan 98	Jan 98	Onboard	C-102-4018 (Track D-102-6113)

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

QTY	DATE	RFT		COURSES
REQD	REQD	DATE	STATUS	SUPPORTED
1	Jan 98	Jan 98	Onboard	C-102-4018 (Track E-102-6113)

**DEVICE:** Faultable Memory Control Module  
**DESCRIPTION:** This faultable SRA is used to teach AN/AYK-14(V) memory control troubleshooting. It contains switches that permit the insertion of up to five faults or allow normal operations of the module.  
**MANUFACTURER:** GDIS  
**CONTRACT NUMBER:** N00163-96-D-001  
**TEE STATUS:** Onboard

**TRAINING ACTIVITY:** MTU 1039  
**LOCATION, UIC :** NAMTRAU Oceana, 66050

QTY	DATE	RFT		COURSES
REQD	REQD	DATE	STATUS	SUPPORTED
1	Jan 98	Jan 98	Onboard	C-102-4018 (Track D-102-6113)

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

QTY	DATE	RFT		COURSES
REQD	REQD	DATE	STATUS	SUPPORTED
1	Jan 98	Jan 98	Onboard	C-102-4018 (Track E-102-6113)

**IV.A.2. TRAINING DEVICES**

**DEVICE:** Faultable Memory Control Module with Memory  
**DESCRIPTION:** This faultable SRA is used to teach AN/AYK-14(V) memory and memory control troubleshooting. It contains switches that permit the insertion of up to five faults or allow normal operations of the module.

**MANUFACTURER:** GDIS  
**CONTRACT NUMBER:** N00163-96-D-001  
**TEE STATUS:** Onboard

**TRAINING ACTIVITY:** MTU 1039  
**LOCATION, UIC :** NAMTRAU Oceana, 66050

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Jan 98	Jan 98	Onboard	C-102-4018 (Track D-102-6113)

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

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Jan 98	Jan 98	Onboard	C-102-4018 (Track E-102-6113)

**DEVICE:** Faultable Processor Support Module  
**DESCRIPTION:** This faultable SRA is used to teach AN/AYK-14(V)processor support module troubleshooting. It contains switches that permit the insertion of up to five faults or allow normal operation of the module.

**MANUFACTURER:** GDIS  
**CONTRACT NUMBER:** N00163-96-D-001  
**TEE STATUS:** Onboard

**TRAINING ACTIVITY:** MTU 1039  
**LOCATION, UIC :** NAMTRAU Oceana, 66050

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Jan 98	Jan 98	Onboard	C-102-4018 (Track D-102-6113)

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

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Jan 98	Jan 98	Onboard	C-102-4018 (Track E-102-6113)

**IV.A.2. TRAINING DEVICES**

**DEVICE:** Faultable Serial Interface Module  
**DESCRIPTION:** This faultable SRA is used to teach AN/AYK-14(V) serial interface troubleshooting. It contains switches that permit the insertion of up to five faults or allow normal operations of the module.  
**MANUFACTURER:** GDIS  
**CONTRACT NUMBER:** N00163-96-D-0001  
**TEE STATUS:** Onboard

**TRAINING ACTIVITY:** MTU 1039  
**LOCATION, UIC :** NAMTRAU Oceana, 66050

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Jan 98	Jan 98	Onboard	C-102-4018 (Track D-102-6113)

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

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Jan 99	Jan 98	Onboard	C-102-4018 (Track E-102-6113)

**DEVICE:** Faultable Single Card Processor Module  
**DESCRIPTION:** This faultable SRA is used to teach AN/AYK-14(V) processor troubleshooting. It contains switches that permit the insertion of up to five faults or allow normal operations of the module.  
**MANUFACTURER:** GDIS  
**CONTRACT NUMBER:** N00163-96-D-001  
**TEE STATUS:** Onboard

**TRAINING ACTIVITY:** MTU 1039  
**LOCATION, UIC :** NAMTRAU Oceana, 66050

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Jan 98	Jan 98	Onboard	C-102-4018 (Track D-102-6113)

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

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Jan 98	Jan 98	Onboard	C-102-4018 (Track E-102-6113)

**IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS**

**CIN, COURSE TITLE:** C-102-4018, AN/AYK-14(V) Digital Data Computer Intermediate Maintenance (Track D-102-6113)

**TRAINING ACTIVITY:** MTU 1039

**LOCATION, UIC:** NAMTRAU Oceana, 66050

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY</b>	<b>DATE</b>	<b>STATUS</b>
	<b>REQD</b>	<b>REQD</b>	
Instructor Guide	3	Jan 98	Onboard
Instructors Utilization Handbook for Simulation Equipment	2	Jan 98	Onboard
Slides	3 sets	Jan 98	Onboard
Test for Measurement of Student Achievement	25	Jan 98	Onboard
Topic Outline	25	Jan 98	Onboard
Trainee Guide	25	Jan 98	Onboard
Transparencies	3 sets	Jan 98	Onboard

**CIN, COURSE TITLE:** C-102-4018, AN/AYK-14(V) Digital Data Computer Intermediate Maintenance (Track E-102-6113)

**TRAINING ACTIVITY:** MTU 1038

**LOCATION, UIC:** NAMTRAU Lemoore, 66060

<b>TYPES OF MATERIAL OR AID</b>	<b>QTY</b>	<b>DATE</b>	<b>STATUS</b>
	<b>REQD</b>	<b>REQD</b>	
Instructor Guide	3	Jan 98	Onboard
Instructors Utilization Handbook for Simulation Equipment	2	Jan 98	Onboard
Slides	3 sets	Jan 98	Onboard
Test for Measurement of Student Achievement	25	Jan 98	Onboard
Topic Outline	25	Jan 98	Onboard
Trainee Guide	25	Jan 98	Onboard
Transparencies	3 sets	Jan 98	Onboard

**IV.B.3. TECHNICAL MANUALS**

**CIN, COURSE TITLE:** C-102-4018, AN/AYK-14(V) Digital Data Computer Intermediate Maintenance (Track D-102-6113)  
**TRAINING ACTIVITY:** MTU 1039  
**LOCATION, UIC :** NAMTRAU Oceana, 66050

<b>TECHNICAL MANUAL NUMBER / TITLE</b>	<b>MEDIUM</b>	<b>QTY REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
AE-610AA-740-000 Intermediate Maintenance, with Illustrated Parts Breakdown, Digital Data Computer, AN/AYK-14(V) Type 1 Chassis	Hard copy	10	Jan 98	Onboard
AE-610AA-740-100 Intermediate Maintenance, with Illustrated Parts Breakdown, Digital Data Computer, AN/AYK-14(V), Configuration CP-1509B and CP-1510E	Hard copy	10	Jan 98	Onboard
AE-610AA-740-200 Intermediate Maintenance, with Illustrated Parts Breakdown, Digital Data Computer, AN/AYK-14(V) Type 4 Chassis	Hard copy	10	Jan 98	Onboard
AE-610AA-740-300 Intermediate Maintenance, with Illustrated Parts Breakdown, Digital Data Computer, AN/AYK-14(V) Type 5 Chassis	Hard copy	10	Jan 98	Onboard
AE-610AA-740-400 Intermediate Maintenance, with Illustrated Parts Breakdown, Peculiar Support Equipment for Digital Data Computer, AN/AYK-14(V)	Hard copy	10	Jan 98	Onboard
AE-610AA-740-600 Intermediate Maintenance, with Illustrated Parts Breakdown, Digital Data Computer, AN/AYK-14(V) Type 6 Chassis	Hard copy	10	Jan 98	Onboard
AE-610AA-740-800 Intermediate Maintenance, with Illustrated Parts Breakdown, Digital Data Computer, AN/AYK-14(V) Type 8 Chassis	Hard copy	10	Jan 98	Onboard
AE-610AA-740-900 Intermediate Maintenance, with Illustrated Parts Breakdown, Digital Data Computer, AN/AYK-14(V) Type 11 Chassis	Hard copy	10	Jan 98	Onboard

**CIN, COURSE TITLE:** C-102-4018, AN/AYK-14(V) Digital Data Computer Intermediate Maintenance (Track E-102-6113)  
**TRAINING ACTIVITY:** MTU 1038  
**LOCATION, UIC :** NAMTRAU Lemoore, 66060

<b>TECHNICAL MANUAL NUMBER / TITLE</b>	<b>MEDIUM</b>	<b>QTY REQD</b>	<b>DATE REQD</b>	<b>STATUS</b>
AE-610AA-740-000 Intermediate Maintenance, with Illustrated Parts Breakdown, Digital Data Computer, AN/AYK-14(V) Type 1 Chassis	Hard copy	10	Jan 98	Onboard

### IV.B.3. TECHNICAL MANUALS

AE-610AA-740-100 Intermediate Maintenance, with Illustrated Parts Breakdown, Digital Data Computer, AN/AYK-14(V), Configuration CP-1509B and CP-1510E	Hard copy	10	Jan 98	Onboard
AE-610AA-740-200 Intermediate Maintenance, with Illustrated Parts Breakdown, Digital Data Computer, AN/AYK-14(V) Type 4 Chassis	Hard copy	10	Jan 98	Onboard
AE-610AA-740-300 Intermediate Maintenance, with Illustrated Parts Breakdown, Digital Data Computer, AN/AYK-14(V) Type 5 Chassis	Hard copy	10	Jan 98	Onboard
AE-610AA-740-400 Intermediate Maintenance, with Illustrated Parts Breakdown, Peculiar Support Equipment for Digital Data Computer, AN/AYK-14(V)	Hard copy	10	Jan 98	Onboard
AE-610AA-740-600 Intermediate Maintenance, with Illustrated Parts Breakdown, Digital Data Computer, AN/AYK-14(V) Type 6 Chassis	Hard copy	10	Jan 98	Onboard
AE-610AA-740-800 Intermediate Maintenance, with Illustrated Parts Breakdown, Digital Data Computer, AN/AYK-14(V) Type 8 Chassis	Hard copy	10	Jan 98	Onboard
AE-610AA-740-900 Intermediate Maintenance, with Illustrated Parts Breakdown, Digital Data Computer, AN/AYK-14(V) Type 11 Chassis	Hard copy	10	Jan 98	Onboard

## PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
DA	Began analysis of MPT requirements	Mar 83	Completed
TSA	Conducted Initial Training	Jan 84	Completed
TSA	Delivered Technical Training Equipment	Dec 84	Completed
TSA	Began Follow-on Training	Feb 85	Completed
DA	Promulgated ILS Master Plan	Apr 86	Completed
DA	Began fleet introduction of second generation (P3I) computer	Dec 88	Completed
DA	Began fleet introduction of third generation (VHSIC Processor) computer	Mar 92	Completed
TSA	Relocated east coast intermediate level maintenance training from NAS Cecil Field to NAS Oceana	Jan 98	Completed
TSA	Approved Updated NTSP	Nov 00	Complete

**PART VI - DECISION ITEMS/ACTION REQUIRED**

**DECISION ITEM OR  
ACTION REQUIRED**

**COMMAND ACTION**

**DUE DATE**

**STATUS**

No Decision Items or Actions Pending

PART VII - POINTS OF CONTACT

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