

DUTY AREA
AIRCRAFT COMMUNICATION/NAVIGATION SYSTEMS TECHNICIAN (C-9 AIRCRAFT SPECIALIST MOS 6243)

A. GENERAL, OPERATING AND SAFETY DUTIES

1. Operates and maintains applicable shop support/special equipment.
2. Demonstrates/applies applicable safety precautions and procedures around the aircraft and work center.
3. Demonstrates/applies knowledge of applicable aircraft publications, diagrams, sketches and drawings.
4. Performs tasks on the helicopter using applicable precision measuring equipment.

B. SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES

1. Performs required scheduled/unscheduled inspections on applicable systems/components as per Maintenance Requirement Cards.
2. Incorporates applicable technical directives System.
3. Demonstrates/applies knowledge of the principles of wire/connector repairs and performs applicable organizational level maintenance using appropriate maintenance procedures and support/test equipment.
4. Demonstrates/applies knowledge of theory of operations and performs applicable organizational level maintenance on the flight interphone using appropriate maintenance procedures and support/test equipment.
5. Demonstrates/applies knowledge of theory of operations and performs applicable organizational level maintenance on the AN/AIC-18, Inter-Communications Systems (ICS) using appropriate maintenance procedures and support/test equipment.
6. Demonstrates/applies knowledge of theory of operations and performs applicable organizational level maintenance on the public address set using appropriate maintenance procedures and support/test equipment.
7. Demonstrates/applies knowledge of theory of operations and performs applicable organizational level maintenance on the AN/ARC-210, UHF system using appropriate maintenance procedures and support/test equipment.
8. Demonstrates/applies knowledge of theory of operations and performs applicable organizational level maintenance on the RTA-440, VHF radio system using appropriate maintenance procedures and support/test equipment.
9. Demonstrates/applies knowledge of theory of operations and performs applicable organizational level maintenance on the High Frequency systems (HF) using appropriate maintenance procedures and support/test equipment.
10. Demonstrates/applies knowledge of theory of operations and performs applicable organizational level maintenance on the AN/APX-72, Identify Friend or Foe (IFF) systems using appropriate maintenance procedures and support/test equipment.
11. Demonstrates/applies knowledge of theory of operations and performs applicable organizational level maintenance on the weather radar systems using appropriate maintenance procedures and support/test equipment.
12. Demonstrates/applies knowledge of theory of operations and performs applicable organizational level maintenance on the automatic directional finder systems using appropriate maintenance procedures and support/test equipment.
13. Demonstrates/applies knowledge of theory of operations and performs applicable organizational level maintenance on the Visual OMNI Range Receiver (VOR) systems using appropriate maintenance procedures and support/test equipment.
14. Demonstrates/applies knowledge of theory of operations and performs applicable organizational level maintenance on the TACAN systems using appropriate maintenance procedures and support/test equipment.
15. Demonstrates/applies knowledge of theory of operations and performs applicable organizational level maintenance on the radio altimeter using appropriate maintenance procedures and support/test equipment.
16. Demonstrates/applies knowledge of theory of operations and performs applicable organizational level maintenance on the Traffic Alert and Collision Avoidance System (TCAS II) using appropriate maintenance procedures and support/test equipment.

DA MOS COMM (Continued)

17. Demonstrates/applies knowledge of theory of operations and performs applicable organizational level maintenance on the flight recorder system using appropriate maintenance procedures and support/test equipment.
18. Demonstrates/applies knowledge of theory of operations and performs applicable organizational level maintenance on the flight director system using appropriate maintenance procedures and support/test equipment.
19. Demonstrates/applies knowledge of theory of operations and performs applicable organizational level maintenance on the ground proximity warning system using appropriate maintenance procedures and support/test equipment.
20. Demonstrates/applies knowledge of theory of operations and performs applicable organizational level maintenance on the UNS-10 flight management system using appropriate maintenance procedures and support/test equipment.
21. Demonstrates/applies knowledge of theory of operations and performs applicable organizational level maintenance on the autoflight system using appropriate maintenance procedures and support/test equipment.
22. Demonstrates/applies knowledge of theory of operations and performs applicable organizational level maintenance on the stall warning system using appropriate maintenance procedures and support/test equipment.
23. Demonstrates/applies knowledge of theory of operations and performs applicable organizational level maintenance on the marker beacon system using appropriate maintenance procedures and support/test equipment.
24. Demonstrates/applies knowledge of theory of operations and performs applicable organizational level maintenance on the Distance Measurement Equipment (DME) using appropriate maintenance procedures and support/test equipment.
25. Demonstrates/applies knowledge of theory of operations and performs applicable organizational level maintenance on the Emergency Locator Transmitter (ELT) using appropriate maintenance procedures and support/test equipment.

SKILL PROGRESSION LEVEL DEFINITIONS

- LEVEL I: An asterisk in Level I indicates the task is taught at the "entry level (A) School"
- LEVEL II: An asterisk in Level II indicates the task is taught at 375th Log Support, Scott AFB. Other task in Level II not indicated with an asterisk will be signed off when exposed to the individual for the first time. All subsequent training in which the Marine performs after initial exposure should be annotated on the OPNAV 4790/33 form until he\she is signed off in level III.
- LEVEL III: An asterisk in level III indicates the task is considered training essential. A sign-off in Level III indicates the Marine can perform that task w/o supervision. The unit is responsible for these sign-offs.
- LEVEL IV: Used by the unit to indicate an individual is advanced in technical and supervisory functions. Prior to sign-off, all training essential and training optional task in level III must be signed-off. Only one sign-off for the duty area is required.

Sign-off blanks: (MO/YR)/(INDIVIDUAL'S INITIALS)/(SUPERVISOR'S INITIALS)

Note: Refer to MCO P4790.20_ for further clarification.

DATE: AUGUST 2002

INDIVIDUAL QUALIFICATION RECORD
AIRCRAFT COMMUNICATION/NAVIGATION SYSTEMS TECHNICIAN (C-9 AIRCRAFT SPECIALIST MOS 6243)

A. GENERAL, OPERATIONAL AND SAFETY DUTIESA.1 Operates and maintains applicable shop support/special equipment.

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Aircraft maintenance platforms, B-1, B-4, & B-5	NA 19-15-7		* / /	/ /	
B	Vertical stabilization ladder	NA 00-80T-96		/ /	/ /	
C	Connector repair set (DMC-230)	NA 01-C9BAAA-2-14		/ /	* / /	
D	Heat gun, HT-900	NA 01-C9BAAA-2-14		* / /	* / /	
E	Liaison antenna ladder	NA 00-80T-96		* / /	/ /	

A.2 Demonstrates/applies applicable safety precautions and procedures around the aircraft and work center.

A	Ground occupational safety & health programs in specific areas.					
A-1	First aid procedures	Marine BST/Essential Subjects Book		* / /	* / /	
A-2	Use of solvents/paints/strippers/sealers (shelf life)	OSHA 29 CFR 1910 NAVAIR A1-NAOSH- SAF-000/P5100-1 Local Instr		* / /	* / /	
A-3	Hazardous material	OPNAVINST 4790.2 OSHA 29 CFR 1910 NAVAIR A1-NAOSH- SAF-000/P5100-1 Local Instr	*	* / /	* / /	
A-4	Safety procedures near electricity	OSHA 29 CFR 1910 NAVAIR A1-NAOSH- SAF-000/P5100-1 Local Instr	*	* / /	* / /	
A-5	Entry into confined spaces	OSHA 29 CFR 1910 NAVAIR A1-NAOSH- SAF-000/P5100-1 Local Instr		* / /	/ /	
A-6	Gas Free Engineering (GFE)	OSHA 29 CFR 1910 NAVAIR A1-NAOSH- SAF-000/P5100-1 NA 01-1A-35 Local Instr		* / /	* / /	

DA A.2 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A-7	Personal protective clothing (safety/flight boots, clothing, hearing/eye protection, etc.)	OSHA 29 CFR 1910 NAVAIR A1-NAOSH- SAF-000/P5100-1 Local Instr		* / /	* / /	
A-8	Safety markings	OSHA 29 CFR 1910 NAVAIR A1-NAOSH- SAF-000/P5100-1 Local Instr	*	* / /	* / /	
B	Precautions & procedures on/around helicopters & support equipment					
B-1	Safety procedures on/around turning aircraft	NA 01-C9B-2-1 Local Instr		* / /	* / /	
B-2	Safety procedures on/near aircraft with pneumatic power	NA 01-C9B-2-1 Local Instr		* / /	* / /	
B-3	Safety procedures on/near aircraft when applying or removing external electrical power	NA 01-C9B-2-1 NA 01-C9B-2-4		* / /	* / /	
B-4	Safety procedures on/near aircraft with use of hydraulic power	NA 01-C9B-2-1 Local Instr		* / /	* / /	
B-5	Safety procedures when jacking aircraft or while aircraft is on jacks	NA 01-C9B-2-1 Local Instr		* / /	* / /	
B-6	Safety procedures on/near aircraft maintenance platforms	NA 01-C9B-2-1 Local Instr		* / /	* / /	
B-7	Safety precautions when washing aircraft	NA 01-C9B-2-1 NA 01-1A-509 Local Instr		* / /	* / /	
B-8	Safety procedures on/near support equipment operations	NA 01-C9B-2-1 Local Instr		* / /	* / /	
B-9	Safety procedures when securing aircraft with protective covers/devices (red gear)	NA 01-C9B-2-1 Local Instr		* / /	* / /	
B-10	Safety procedures when installing or removing aircraft safety pins and locks	NA 01-C9B-2-1 Local Instr		* / /	* / /	
C	Line emergency procedures					
C-1	Use/types of fire extinguishers	NA 01-C9B-2-1		* / /	* / /	
C-2	Emergency egress procedures	NA 01-C9B-2-1		* / /	* / /	
C-3	Fire fighting			/ /	/ /	
C-3.1	Proper extinguishing of hot brakes	NA 01-C9B-2-1		* / /	* / /	
C-3.2	Proper extinguishing of engine fires	NA 01-C9B-2-1		* / /	* / /	
C-3.3	Procedures when aircraft has loss of brakes	NA 01-C9B-2-1		* / /	* / /	
C-3.4	Proper extinguishing for electrical fire	NA 01-C9B-2-1		* / /	* / /	
C-3.5	Proper extinguishing of GTC/APU fire	NA 01-C9B-2-1		* / /	* / /	
C-4	Emergency hand signals	NA 01-C9B-2-1		* / /	* / /	

IQR, MOS 6243, NAME: _____

DATE: AUGUST 2002

DA A.2 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D	Hydraulic contamination	OPNAVINST 4790.2 NA 01-1A-17 Local Instr		/ /	* / /	
E	Electro-Magnetic Interference (EMI), Electrical Static Discharge (ESD), & Electro-Magnetic Compatibility (EMC)	OPNAVINST 4790.2 Local Instr		/ /	* / /	
F	Emergency reclamation	OPNAVINST 4790.2 NA 01-1A-509 NA 16-1-540 Local Instr		/ /	* / /	
G	Aviator Breathing Oxygen Program (AOB)	OPNAVINST 4790.2 Local Instr		/ /	* / /	

A.3 Demonstrates/applies knowledge of applicable aircraft publications, diagrams, sketches and drawings.

A	Naval Aviation Maintenance Program (NAMP)	OPNAVINST 4790.2		* / /	* / /	
B	Naval Air Systems Command Technical Manual Program	NA 00-25-100		* / /	* / /	
C	Occupational Safety & Health Administration Manual	OSHA 29 CFR 1910		/ /	* / /	
D	Safety Requirement for Naval Aviation Shore Activities Manual	NAVAIR A1-NAOSH-SAF-000/P5100-1		/ /	* / /	
E	Aircraft Cleaning Corrosion Control Manual	NA 01-1A-509	*	* / /	* / /	
F	Avionics Corrosion Control Manual	NA 16-1-540	*	* / /	* / /	
G	Preservation of Naval Aircraft Manual	NA 15-01-500		* / /	* / /	
H	Support Equipment Corrosion Control Manual	NA 17-1-125		* / /	* / /	
I	Work Unit Code Manual	NA 01-C9BAAA-8	*	* / /	* / /	
J	Maintenance Requirement Cards Decks	NA 01-C9B-6-X		* / /	* / /	
K	Aviation Hydraulics Manual	NA 01-1A-17		* / /	/ / /	
L	NATOPS Manual	NA 01-C9B-1		/ /	/ / /	
M	Principles of Operation, Systems Schematics, Testing & Troubleshooting Manuals	NA 01-C9B-2-1 Thru NA 01-C9B-2-15	*	* / /	* / /	
N	System Maintenance/IPB Manuals	NA 01-C9B-2-12	*	* / /	* / /	
O	Aircraft Electric and Electronic Wiring Installation Practices	NA 01-1A-505	*	* / /	* / /	

A.4 Performs tasks on the aircraft using applicable precision measuring equipment.

A	Operates time domain reflectometer test set (15020PT4)	Owners Manual Local Instr	*	* / /	* / /	
B	Operates multimeter	NA 01-C9BAAA-2-8	*	* / /	* / /	
C	Operates watt meter	NA 01-C9BAAA-2-8		* / /	* / /	

INDIVIDUAL QUALIFICATION RECORD
 AIRCRAFT COMMUNICATION/NAVIGATION SYSTEMS TECHNICIAN (C-9 AIRCRAFT SPECIALIST MOS 6243)

B. SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES

B.1 Performs required scheduled/unscheduled inspections on applicable systems/components as per Maintenance Requirement Cards.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL 1	LEVEL II	LEVEL III	LEVEL IV
A	Periodic Maintenance Information Cards	NA 01-C9B-6		*	/ /	* / /	
B	Phase Maintenance Requirement Cards						
B-1	Performs "A" phase inspection	NA 01-C9B-6-4			/ /	* / /	
B-2	Performs "B" phase inspection	NA 01-C9B-6-4		*	/ /	* / /	
B-3	Performs "C" phase inspection	NA 01-C9B-6-4			/ /	* / /	
B-4	Performs "D" phase inspection	NA 01-C9B-6-4			/ /	* / /	
C	Performs 28-day inspection	NA 01-C9B-6-3			/ /	* / /	
D	Performs 84-day inspection	NA 01-C9B-6-3		*	/ /	* / /	
E	Performs acceptance/transfer inspections	OPNAVINST 4790.2 Local Instr			/ /	* / /	
F	Performs 364 day inspection	NA 01-C9B-6-3			/ /	* / /	

B.2 Incorporates applicable technical directives System.

A	Technical directives system	NAVAIR 00-25-300			/ /	* / /	
B	Rapid Action Minor Engineering Change (RAMEC) proposals	NAVAIRINST 5215.10			/ /	* / /	
C	Incorporates technical directives changes/bulletins	OPNAVINST 4790.2			/ /	* / /	

B.3 Demonstrates/applies knowledge of the principles of wire/connector repair and performs applicable organizational level maintenance using appropriate maintenance procedures and support/test equipment.

A	Wire repair procedures	NA 01-1A-505 NA 01-C9B-2-14		*	* / /	* / /	
B	Use of crimpers	NA 01-1A-505 NA 01-C9B-2-14		*	* / /	* / /	
C	Use of insertion and removal tools for rear release connectors	NA 01-1A-505 NA 01-C9B-2-14			* / /	* / /	
D	Use of wire strippers	NA 01-1A-505 NA 01-C9B-2-14		*	* / /	* / /	
E	Use of wire type list	NA 01-1A-505 NA 01-C9B-2-14			* / /	* / /	

DA B.3 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
F	Repairs co-axial connectors	NA 01-1A-505 NA 01-C9B-2-14		*	* / /	* / /	
G	Uses of environmental splices	NA 01-1A-505 NA 01-C9B-2-14		*	* / /	* / /	
H	Repairs aircraft wiring	NA 01-1A-505 NA 01-C9B-2-14			/ /	* / /	
I	Uses wire maker	NA 01-1A-505 NA 01-C9B-2-14			/ /	* / /	
J	Performs soldering (normal)	NA 01-1A-505 NA 01-C9B-2-14		*	* / /	* / /	

B.4 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **flight interphone** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Intercommunication system	NA 01-C9B-2-23			* / /	* / /	
B	Functional check						
B-1	Intercommunication system	NA 01-C9B-2-23			* / /	* / /	
C	Fault isolation						
C-1	Intercommunication system	NA 01-C9B-2-23			/ /	* / /	
D	Organizational maintenance						
D-1	R&R audio control panel	NA 01-C9B-2-23			* / /	* / /	
D-2	R&R flight interphone amplifier	NA 01-C9B-2-23			* / /	* / /	

B.5 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **AN/AIC-18, Inter-Communications Systems (ICS)** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Voice recorder	NA 01-C9B-2-23			* / /	* / /	
B	Functional check						
B-1	Voice recorder	NA 01-C9B-2-23			/ /	* / /	
C	Fault isolation						
C-1	Voice recorder	NA 01-C9B-2-23			/ /	* / /	
D	Organizational maintenance						
D-1	R&R control panel	NA 01-C9B-2-23			* / /	* / /	
D-2	R&R voice recorder	NA 01-C9B-2-23			* / /	* / /	

B.6 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the public address set using appropriate maintenance procedures and support/ test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Theory of operation						
A-1	Public address system	NA 01-C9B-2-23		*	/ /	* / /	
B	Functional check						
B-1	Public address system	NA 01-C9B-2-23			/ /	* / /	
C	Fault isolation						
C-1	Public address system	NA 01-C9B-2-23			/ /	* / /	
D	Organizational maintenance						
D-1	R&R amplifier	NA 01-C9B-2-23			/ /	/ /	
D-2	R&R P/A tape player	NA 01-C9B-2-23		*	/ /	* / /	
D-3	R&R P/A relay and interlock panel	NA 01-C9B-2-23		*	/ /	* / /	

B.7 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the AN/ARC-210, UHF system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	UHF system	NA 01-C9B-2-23		*	/ /	* / /	
B	Functional check						
B-1	UHF system	NA 01-C9B-2-23		*	/ /	* / /	
C	Fault isolation						
C-1	UHF system	NA 01-C9B-2-23			/ /	* / /	
D	Organizational maintenance						
D-1	R&R UHF receiver/transmitter unit	NA 01-C9B-2-23		*	/ /	* / /	
D-2	R&R UHF antenna	NA 01-C9B-2-23			/ /	* / /	
D-3	R&R UHF control panel	NA 01-C9B-2-23			/ /	/ /	

B.8 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the RTA-440, VHF radio system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	VHF system	NA 01-C9B		*	/ /	* / /	
B	Functional check						
B-1	VHF system	NA 01-C9B		*	/ /	* / /	
C	Fault isolation						
C-1	VHF system	NA 01-C9B			/ /	* / /	
D	Organizational maintenance						
D-1	R&R control panel	NA 01-C9B		*	/ /	* / /	
D-2	R&R receiver/transmitter unit	NA 01-C9B		*	/ /	* / /	
D-3	R&R antenna	NA 01-C9B			/ /	* / /	

B.9 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the High Frequency systems (HF) using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Theory of operation						
A-1	HF system	NA 01-C9B-2-23		*	/ /	* / /	
B	Functional check						
B-1	HF system	NA 01-C9B-2-23			/ /	* / /	
C	Fault isolation						
C-1	HF system	NA 01-C9B-2-23			/ /	* / /	
D	Organizational maintenance						
D-1	R&R receiver/transmitter unit	NA 01-C9B-2-23			/ /	* / /	
D-2	R&R antenna coupler	NA 01-C9B-2-23			/ /	* / /	
D-3	R&R antenna accessory unit	NA 01-C9B-2-23			/ /	* / /	
D-4	R&R control panel	NA 01-C9B-2-23			/ /	* / /	
D-5	R&R lighting arrestor	NA 01-C9B-2-23			/ /	* / /	

B.10 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the AN/APX-72, IFF systems using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	IFF system	NA 01-C9B-2-34		*	/ /	* / /	
B	Functional check						
B-1	IFF system	NA 01-C9B-2-34		*	/ /	* / /	
C	Fault isolation						
C-1	IFF system	NA 01-C9B-2-34			/ /	* / /	
D	Organizational maintenance						
D-1	R&R control panel	NA 01-C9B-2-34		*	/ /	* / /	
D-2	R&R transponder	NA 01-C9B-2-34		*	/ /	* / /	
D-3	R&R antenna	NA 01-C9B-2-34			/ /	* / /	

B.11 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the weather radar systems using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Weather radar system	NA 01-C9B-2-34		*	* / /	* / /	
A-2	Radar interface group	NA 01-C9B-2-34			* / /	* / /	
B	Functional check						
B-1	Weather radar system	NA 01-C9B-2-34			* / /	* / /	
B-2	Radar interface group	NA 01-C9B-2-34			* / /	* / /	
C	Fault isolation						
C-1	Weather radar system	NA 01-C9B-2-34			/ /	* / /	

DA B.11 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D	Organizational maintenance						
D-1	R&R antenna	NA 01-C9B-2-28		*	/ /	* / /	
D-2	R&R indicator	NA 01-C9B-2-28		*	/ /	* / /	
D-3	R&R receiver/transmitter unit	NA 01-C9B-2-34		*	/ /	* / /	
D-4	R&R radar control panel	NA 01-C9B-2-34		*	/ /	* / /	

B.12 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **Automatic Directional Finder (ADF) systems** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	ADF system	NA 01-C9B-2-34		*	/ /	* / /	
B	Functional check						
B-1	ADF system	NA 01-C9B-2-34		*	/ /	* / /	
C	Fault isolation						
C-1	ADF system	NA 01-C9B-2-34			/ /	* / /	
D	Organizational maintenance						
D-1	R&R receiver	NA 01-C9B-2-34		*	/ /	* / /	
D-2	R&R loop antenna	NA 01-C9B-2-34			/ /	/ /	
D-3	R&R sense antenna	NA 01-C9B-2-34			/ /	/ /	
D-4	R&R ADF control panel	NA 01-C9B-2-34			/ /	/ /	
D-5	R&R compass indicator	NA 01-C9B-2-34			/ /	/ /	

B.13 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **Visual OMNI Range Receiver (VOR) systems** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	VOR system	NA 01-C9B		*	/ /	* / /	
B	Functional check						
B-1	VOR system	NA 01-C9B		*	/ /	* / /	
C	Fault isolation						
C-1	VOR system	NA 01-C9B			/ /	* / /	
D	Organizational maintenance						
D-1	R&R receiver	NA 01-C9B		*	/ /	* / /	
D-2	R&R antennas	NA 01-C9B			/ /	/ /	

B.14 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the TACAN systems using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Theory of operation						
A-1	TACAN system	NA 01-C9B-2-34		*	/ /	* / /	
B	Functional check						
B-1	TACAN system	NA 01-C9B-2-34		*	/ /	* / /	
C	Fault isolation						
C-1	TACAN system	NA 01-C9B-2-34			/ /	* / /	
D	Organizational maintenance						
D-1	R&R receiver/transmitter unit	NA 01-C9B-2-34		*	/ /	* / /	
D-2	R&R mount	NA 01-C9B-2-34			/ /	/ /	
D-3	R&R antenna	NA 01-C9B-2-34			/ /	* / /	
D-4	R&R BD41	NA 01-C9B-2-34		*	/ /	* / /	
D-5	R&R TACAN control panel	NA 01-C9B-2-34		*	/ /	* / /	

B.15 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the radio altimeter using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Radio altimeter system	NA 01-C9B-2-34			/ /	* / /	
B	Functional check						
B-1	Radio altimeter system	NA 01-C9B-2-34			/ /	* / /	
C	Fault isolation						
C-1	Radio altimeter system	NA 01-C9B-2-34			/ /	* / /	
D	Organizational maintenance						
D-1	R&R receiver/transmitter unit	NA 01-C9B-2-34			/ /	* / /	
D-2	R&R indicator	NA 01-C9B-2-34			/ /	/ /	
D-3	R&R receiver antenna	NA 01-C9B-2-34			/ /	* / /	
D-4	R&R transmitter antenna	NA 01-C9B-2-34			/ /	/ /	

B.16 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Traffic Alert and Collision Avoidance System (TCAS II) using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	TCAS II	NA 01-C9B		*	/ /	* / /	
B	Functional check						
B-1	TCAS II	NA 01-C9B			/ /	* / /	
C	Fault isolation						
C-1	TCAS II	NA 01-C9B			/ /	* / /	

DA B.16 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D	Organizational maintenance						
D-1	R&R processor	NA 01-C9B			/ /	* / /	
D-2	R&R control unit	NA 01-C9B			/ /	* / /	
D-3	R&R TCAS antenna	NA 01-C9B			/ /	* / /	
D-4	R&R mode S transponder	NA 01-C9B			/ /	* / /	
D-5	R&R traffic advisory/vertical speed indicator	NA 01-C9B			/ /	* / /	

B.17 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the flight recorder system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Flight recorder system	NA 01-C9B-2-23			/ /	* / /	
B	Functional check						
B-1	Flight recorder system	NA 01-C9B-2-23			/ /	* / /	
C	Fault isolation						
C-1	Flight recorder system	NA 01-C9B-2-23			/ /	* / /	
D	Organizational maintenance						

B.18 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the flight director system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Flight director system	NA 01-C9B-2-34			* / /	* / /	
B	Functional check						
B-1	Flight director system	NA 01-C9B-2-34			/ /	* / /	
C	Fault isolation						
C-1	Flight director system	NA 01-C9B-2-34			/ /	* / /	
D	Organizational maintenance						
D-1	R&R HSI indicator	NA 01-C9B-2-34			/ /	* / /	
D-2	R&R BDHI	NA 01-C9B-2-34			/ /	* / /	
D-3	R&R flight director computer	NA 01-C9B-2-34			/ /	/ /	
D-4	R&R vertical gyro	NA 01-C9B-2-34			/ /	/ /	
D-5	R&R F/D control box	NA 01-C9B-2-34			/ /	/ /	
D-6	R&R NAV switching unit	NA 01-C9B-2-34			/ /	/ /	
D-7	R&R flight director indicator	NA 01-C9B-2-34			/ /	/ /	
D-8	R&R F/D mode ANN lamp	NA 01-C9B-2-34			/ /	/ /	

B.19 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the ground proximity warning system using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Theory of operation						
A-1	Ground proximity warning system	NA 01-C9B-2-34		*	/ /	* / /	
B	Functional check						
B-1	Ground proximity warning system	NA 01-C9B-2-34			/ /	* / /	
C	Fault isolation						
C-1	Ground proximity warning system	NA 01-C9B-2-34			/ /	* / /	
D	Organizational maintenance						
D-1	R&R GPWS computer	NA 01-C9B-2-34			/ /	/ /	
D-2	R&R GPWS speaker	NA 01-C9B-2-34			/ /	/ /	

B.20 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the UNS-10 Flight Management System (FMS) using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	FMS	NA 01-C9B			/ /	* / /	
B	Functional check						
B-1	FMS	NA 01-C9B			/ /	* / /	
C	Fault isolation						
C-1	FMS	NA 01-C9B			/ /	* / /	
D	Organizational maintenance						
D-1	R&R control display unit	NA 01-C9B			/ /	/ /	
D-2	R&R navigation computer unit	NA 01-C9B			/ /	/ /	
D-3	R&R data transfer unit	NA 01-C9B			/ /	/ /	

B.21 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the autoflight system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Autoflight system	NA 01-C9B-2-22			/ /	* / /	
B	Functional check						
B-1	Autoflight system	NA 01-C9B-2-22			/ /	* / /	
C	Fault isolation						
C-1	Autoflight system	NA 01-C9B-2-22			/ /	* / /	
D	Organizational maintenance						
D-1	R&R air data computer	NA 01-C9B-2-22			/ /	* / /	
D-2	R&R speed computer	NA 01-C9B-2-22			/ /	* / /	
D-3	R&R stab AVG computer	NA 01-C9B-2-22			/ /	* / /	

DA B.21 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-4	R&R pitch axis computer	NA 01-C9B-2-22			/ /	* / /	
D-5	R&R roll axis computer	NA 01-C9B-2-22			/ /	/ /	
D-6	R&R A/P controller	NA 01-C9B-2-22			/ /	/ /	
D-7	Match trim actuator	NA 01-C9B-2-22			/ /	/ /	
D-8	Yaw damper actuator	NA 01-C9B-2-22			/ /	/ /	

B.22 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the stall warning system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Stall warning system	NA 01-C9B			/ /	* / /	
B	Functional check						
B-1	Stall warning system	NA 01-C9B			/ /	* / /	
C	Fault isolation						
C-1	Stall warning system	NA 01-C9B			/ /	* / /	
D	Organizational maintenance						
D-1	R&R stall warning computer	NA 01-C9B-2-34			/ /	/ /	
D-2	R&R AOA transponder	NA 01-C9B-2-34			/ /	/ /	
D-3	R&R flap position transmitter	NA 01-C9B-2-34			/ /	/ /	
D-4	R&R tone generator	NA 01-C9B-2-34			/ /	/ /	

B.23 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the marker beacon system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Marker beacon system	NA 01-C9B-2-34			/ /	* / /	
B	Functional check						
B-1	Marker beacon system	NA 01-C9B-2-34			/ /	* / /	
C	Fault isolation						
C-1	Marker beacon system	NA 01-C9B-2-34			/ /	* / /	
D	Organizational maintenance						
D-1	R&R marker beacon R/T	NA 01-C9B-2-34			/ /	* / /	
D-2	R&R marker beacon antenna	NA 01-C9B-2-34			/ /	* / /	

B.24 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Distance Measurement Equipment (DME) using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Theory of operation						
A-1	DME	NA 01-C9B			/ /	* / /	
B	Functional check						
B-1	DME	NA 01-C9B			/ /	* / /	
C	Fault isolation						
C-1	DME	NA 01-C9B			/ /	* / /	
D	Organizational maintenance						
D-1	R&R NAV/DME control panel	NA 01-C9B			/ /	* / /	
D-2	R&R interrogator	NA 01-C9B			/ /	* / /	
D-3	R&R antenna	NA 01-C9B			/ /	* / /	

B.25 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Emergency Locator Transmitter (ELT) using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	ELT	NA 01-C9B			* / /	* / /	
B	Functional check						
B-1	ELT	NA 01-C9B			/ /	* / /	
C	Fault isolation						
C-1	ELT	NA 01-C9B			/ /	* / /	
D	Organizational maintenance						
D-1	R&R ELT	NA 01-C9B			/ /	* / /	

ITSS (MATMEP)

APPENDIX A

INDIVIDUAL EXPERIENCE DATA SHEET

INDIVIDUAL DATA

UNIT EXPERIENCE DATA

NAME: _____

UNIT

SHOP

BILLET

FROM/TO DATES

SSN: _____

FORMAL SCHOOLS

SCHOOLS NAME

DATE COMPLETED

		UNIT	SHOP	BILLET	FROM/TO DATES

COMMENTS :

APPENDIX C

WORK CENTER SUMMARY
 AIRCRAFT COMMUNICATION/NAVIGATION SYSTEMS TECHNICIAN (C-9 AIRCRAFT SPECIALIST MOS 6243)

WORK CENTER NAME/NUMBER _____

NAME/MOS	LEVEL	A.1	A.2	A.3	A.4	A.5	B.1	B.2	B.3	B.4	B.5	B.6	B.7	B.8
	II							XXXXX						
	III													
	IV													
	II							XXXXX						
	III													
	IV													
	II							XXXXX						
	III													
	IV													
	II							XXXXX						
	III													
	IV													
	II							XXXXX						
	III													
	IV													
	II							XXXXX						
	III													
	IV													
	II							XXXXX						
	III													
	IV													
	II							XXXXX						
	III													
	IV													
	II							XXXXX						
	III													
	IV													

APPENDIX C

WORK CENTER SUMMARY
 AIRCRAFT COMMUNICATION/NAVIGATION SYSTEMS TECHNICIAN (C-9 AIRCRAFT SPECIALIST MOS 6243)

WORK CENTER NAME/NUMBER _____

NAME/MOS	LEVEL	B.9	B.10	B.11	B.12	B.13	B.14	B.15	B.16	B.17	B.18	B.19	B.20	B.21	B.22
	II							XXXXX		XXXXX			XXXXX	XXXXX	XXXXX
	III														
	IV														
	II							XXXXX		XXXXX			XXXXX	XXXXX	XXXXX
	III														
	IV														
	II							XXXXX		XXXXX			XXXXX	XXXXX	XXXXX
	III														
	IV														
	II							XXXXX		XXXXX			XXXXX	XXXXX	XXXXX
	III														
	IV														
	II							XXXXX		XXXXX			XXXXX	XXXXX	XXXXX
	III														
	IV														
	II							XXXXX		XXXXX			XXXXX	XXXXX	XXXXX
	III														
	IV														
	II							XXXXX		XXXXX			XXXXX	XXXXX	XXXXX
	III														
	IV														
	II							XXXXX		XXXXX			XXXXX	XXXXX	XXXXX
	III														
	IV														
	II							XXXXX		XXXXX			XXXXX	XXXXX	XXXXX
	III														
	IV														
	II							XXXXX		XXXXX			XXXXX	XXXXX	XXXXX
	III														
	IV														

APPENDIX C

WORK CENTER SUMMARY
 AIRCRAFT COMMUNICATION/NAVIGATION SYSTEMS TECHNICIAN (C-9 AIRCRAFT SPECIALIST MOS 6243)

WORK CENTER NAME/NUMBER _____

NAME/MOS	LEVEL	B. 23	B. 24	B. 25
	II	XXXXX	XXXXX	XXXXX
	III			
	IV			
	II	XXXXX	XXXXX	XXXXX
	III			
	IV			
	II	XXXXX	XXXXX	XXXXX
	III			
	IV			
	II	XXXXX	XXXXX	XXXXX
	III			
	IV			
	II	XXXXX	XXXXX	XXXXX
	III			
	IV			
	II	XXXXX	XXXXX	XXXXX
	III			
	IV			
	II	XXXXX	XXXXX	XXXXX
	III			
	IV			
	II	XXXXX	XXXXX	XXXXX
	III			
	IV			
	II	XXXXX	XXXXX	XXXXX
	III			
	IV			
	II	XXXXX	XXXXX	XXXXX
	III			
	IV			

