

DUTY AREA
AIRCRAFT COMMUNICATIONS SYSTEM TECHNICIAN (MOS 6412/6414)

A. GENERAL, OPERATIONAL, AND SAFETY DUTIES

1. Demonstrates/applies applicable safety precautions and procedures around the work center.
2. Demonstrates/applies knowledge of applicable publications, diagrams, sketches, and drawings.
3. Perform tasks 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 changes/bulletins.
3. Detects corrosion and performs corrosion control.
4. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the public address set AN/AIC-13, using appropriate maintenance procedures and support/test equipment. (C-130 A/C)
5. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the intercommunications set, AN/AIC-14(), using appropriate maintenance procedures and support/test equipment.
6. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the intercommunications set, AN/AIC-18, using appropriate maintenance procedures and support/test equipment. (C-130 A/C)
7. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the intercommunications set, AN/AIC-25, using appropriate maintenance procedures and support/test equipment. (C-130 A/C)
8. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the direction finder group, AN/ARA 25(), using appropriate maintenance procedures and support/test equipment. (C-130, CH-53 A/C)
9. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the direction finder group, AN/ARA-50, using appropriate maintenance procedures and support/test equipment.
10. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the HF radio set, AN/ARC-105, using appropriate maintenance procedures and support/test equipment. (EA-6B A/C)
11. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the VHF radio set, AN/ARC-114(), using appropriate maintenance procedures and support/test equipment. (CH-53 A/C)
12. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the VHF/FM radio set, AN/ARC-131, using appropriate maintenance procedures and support/test equipment. (C-130, CH-53 A/C)
13. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the radio system, AN/ARC-159()(V)(), using appropriate maintenance procedures and support/test equipment.
14. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the UHF/VHF radio set, AN/ARC-182()(V) and RT 1379/ASW, using appropriate maintenance procedures and support/test equipment.
15. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the radio set, AN/ARC-186(V), using appropriate maintenance procedures and support/test equipment. (C-130, CH-53 A/C)
16. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the radio set, AN/ARC-190(V)(), using appropriate maintenance procedures and support/test equipment. (KC-130 A/C)
17. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the radio set, AN/ARC-51(), using appropriate maintenance procedures and support/test equipment. (CH-53, CH-46 A/C)
18. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the HF radio set, AN/ARC-94/HF102, using appropriate maintenance procedures and support/test equipment. (CH-53, CH-46 A/C)
19. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the radio test set, AN/ARM-200, using appropriate maintenance procedures and support/test equipment.

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20. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the radio set, AN/PRC-90-(), using appropriate maintenance procedures and support/test equipment.
21. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the emergency radio, AN/PRT-5, using appropriate maintenance procedures and support/test equipment. (C-130 A/C)
22. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the radio beacon set, AN/URT-33, using appropriate maintenance procedures and support/test equipment.
23. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the HF antenna coupler, CU-351()/AR, using appropriate maintenance procedures and support/test equipment.
24. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the VHF/UHF/AM/FM radio set, AN/ARC-210(V), 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 the NAMTRAMAR Unit. 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.

INDIVIDUAL DUTY AREA QUALIFICATION SUMMARY
AIRCRAFT COMMUNICATION SYSTEM TECHNICIAN (MOS 6412/6414)

NAME / SSN _____

 GRANTED MOS 6411/6414 /
 GRANTED MOS 6412/6414 /

 LEVEL II Completed /
 LEVEL III Completed /
 LEVEL IV Completed /

DUTY #	DUTY DESCRIPTION	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
		DATE / SIGN	DATE / SIGN	DATE / SIGN	DATE / SIGN
A	GENERAL, OPERATIONAL AND SAFETY DUTIES	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
A.1	SAFETY PRECAUTIONS AND PROCEDURES AROUND THE WORKCENTER	/	/	XXXXXXXXXXXXXXXXXXXX	/
A.2	PUBLICATIONS, DIAGRAMS, SKETCHES, AND DRAWINGS	/	/	XXXXXXXXXXXXXXXXXXXX	/
A.3	PRECISION MEASURING EQUIPMENT	/	/	XXXXXXXXXXXXXXXXXXXX	/
B	SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
B.1	REQUIRED SCHEDULED/UNSCHEDULED INSPECTIONS	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.2	TECHNICAL DIRECTIVES CHANGES/BULLETINS	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.3	CORROSION CONTROL	/	/	XXXXXXXXXXXXXXXXXXXX	/
B.4	PUBLIC ADDRESS SET, AN/AIC-13	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.5	INTERCOMMUNICATIONS SET, AN/AIC-14()	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.6	INTERCOMMUNICATIONS SET, AN/AIC-18	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.7	INTERCOMMUNICATIONS SET, AN/AIC-25	XXXXXXXXXXXX XXXXXXXXXX	XXXXXXXXXXXX XXXXXXXXXX	/	/
B.8	DIRECTION FINDER GROUP, AN/ARA-25()	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.9	DIRECTION FINDER GROUP, AN/ARA-50	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.10	HF RADIO SET, AN/ARC-105	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.11	VHF RADIO SET, AN/ARC-114()	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.12	VHF/FM RADIO SET, AN/ARC-131	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.13	RADIO SYSTEM, AN/ARC-159()(V)()	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.14	UHF/VHF RADIO SET, AN/ARC-182() AND RT 1379/ASW	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.15	RADIO SET, AN/ARC-186(V)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.16	RADIO SET, AN/ARC-190(V)()	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.17	RADIO SET, AN/ARC-51()	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.18	HF RADIO SET, AN/ARC-94/HF102	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.19	RADIO TEST SET, AN/ARM-200	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/
B.20	RADIO SET, AN/PRC-90-()	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.21	EMERGENCY RADIO, AN/PRT-5	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.22	RADIO BEACON SET, AN/URT-33	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.23	HF ANTENNA COUPLER, CU-351()/AR	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.24	VHF/UHF/AM/FM RADIO SET, AN/ARC-210(V)	XXXXXXXXXXXXXXXXXXXX	/	/	/

INDIVIDUAL QUALIFICATION RECORD
AIRCRAFT COMMUNICATION SYSTEM TECHNICIAN (MOS 6412/6414)

A. GENERAL, OPERATING AND SAFETY DUTIES**A.1 Demonstrates/applies applicable safety precautions and procedures around the work center.**

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Ground occupational safety and health programs in specific areas					
A-1	First aid procedures	Marine BST/ Essential Subjects Book	*	* / /	/ /	
A-2	Hazardous material/waste	OPNAVINST 4790.2 OSHA 29 CFR 1910 NAVAIR A1-NAOSH- SAF-000/P5100-1 DOD 4140.27.M Local Instruction	*	* / /	/ /	
A-3	Safety procedures near electricity	OSHA 29 CFR 1910 NAVAIR A1-NAOSH- SAF-000/P5100-1 Local Instruction	*	* / /	/ /	
A-4	Personal protective equipment, (Safety/flight boots, clothing, hearing/eye protection, etc.)	OSHA 29 CFR 1910 NAVAIR A1-NAOSH- SAF-000/P5100-1	*	* / /	/ /	
A-5	Safety markings	OSHA 29 CFR 1910 NAVAIR A1-NAOSH- SAF-000/P5100-1 Local Instruction	*	* / /	/ /	
A-6	Safety procedures when applying or removing electrical power to mobile maintenance facilities	NA 19-25-172		* / /	/ /	
A-7	Emergency procedures			/ /	/ /	
A-8	Types of fire extinguishers	OSHA 29 CFR 1910 NAVAIR A1-NAOSH- SAF-000/P5100-1		* / /	/ /	
B	Electro-Magnetic Interference (EMI), Electrical Static Discharge (ESD), & Electro-Magnetic Compatibility (EMC)	OPNAVINST 4790.2 CNTT-M2400 Local Instruction		* / /	/ /	
C	Emergency Reclamation	OPNAVINT 4790.2 NA 01-1A-509 NA 16-1-540 Local Instruction		* / /	/ /	

A.2 Demonstrates/applies knowledge of applicable publications, diagrams, sketches, and drawings.

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Naval Aviation Maintenance Program (NAMP)	OPNAVINST 4790.2 (Series) CNTT-M2400	*	/ /	/ /	
B	Naval Air Systems Command Technical Manual Program	NA 00-25-100	*	/ /	/ /	
C	Avionics Cleaning & Corrosion Control Manual	NA 01-1A-509 NA 16-1-540 CNTT-M2400	*	/ /	/ /	
D	Occupational Safety & Health Administration Manual	OSHA 29 CFR 1910	*	/ /	/ /	
E	Safety Requirements for Naval Aviation Shore Activities	NAVAIR A1-NAOSH-SAF-000/P5100-1	*	/ /	/ /	
F	Work Unit Code Manuals	NA 16-30-601-8 NA 00-25-100	*	/ /	/ /	
G	Numerical Index Manual	NA 00-25-100	*	/ /	/ /	
H	General Aircraft Information & Special Support Equipment Manual	Appropriate A/C manual	*	/ /	/ /	
I	Maintenance Instruction Manuals w/IPB's	CNTT-2355		/ /	/ /	
I-1	Communication Systems w/IPB	NA 00-25-100	*	* / /	/ /	
I-2	NA 00-500 (Series)	NA 00-25-100		* / /	/ /	
J	Navy Security Manual	OPNAVINST 5510.1	*	/ /	/ /	

A.3 Performs tasks using applicable precision measuring equipment.

A	Operates analog multimeters	Appropriate manual	*	* / /	/ /	
B	Operates digital multimeters	Appropriate manual	*	* / /	/ /	
C	Operates signal generators	Appropriate manual	*	* / /	/ /	
D	Operates function generators	Appropriate manual	*	* / /	/ /	
E	Operates oscilloscopes	Appropriate manual	*	* / /	/ /	
F	Operates frequency counters	Appropriate manual	*	* / /	/ /	
G	Operates distortion analyzers	Appropriate manual		* / /	/ /	
H	Operates wattmeters	Appropriate manual	*	* / /	/ /	
I	Operates semiconductor testers	Appropriate manual		* / /	/ /	
J	Operates RF power meter	Appropriate manual		* / /	/ /	
K	Operates huntron trackers	Appropriate manual		* / /	/ /	
L	Operates RMS voltmeters	Appropriate manual		* / /	/ /	

INDIVIDUAL QUALIFICATION RECORD
AIRCRAFT COMMUNICATION SYSTEM TECHNICIAN (MOS 6412/6414)

B. SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES

B.1 Performs required scheduled/unscheduled inspections on applicable systems/components as per maintenance requirements cards.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Daily/Servicing/Preservation/Conditional Requirement Cards	NA 00-25-100		*	/ /	/ /	

B.2 Incorporates applicable technical directives changes/bulletins.

A	Incorporates technical directives changes/bulletins	OPNAVINST 4790.2			*	/ /	/ /
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B.3 Detects corrosion and performs corrosion control.

A	Performs corrosion detection/prevention during all maintenance actions	NA 16-1-540 NA 01-1A-509		*	*	/ /	/ /
B	Performs corrective action on corrosion discrepancies	NA 16-1-540 NA 01-1A-509			*	/ /	/ /
C	Performs corrosion detection/prevention on support equipment	NA 17-1-125			*	/ /	/ /

B.4 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the public address set, AN/AIC-13, using appropriate maintenance procedures and support/test equipment. (C-130 A/C)

A	Principles of operation						
A-1	Public address set, AN/AIC-13		64170		/ /	/ /	
A-1.1	Loudspeaker, LS-211/AIC-13	NA 16-30AIC13-1	64171		/ /	/ /	
A-1.2	AF amplifier, AM-944/AIC-13	NA 16-30AIC13-1	64172		/ /	/ /	
A-1.3	Public address set control, C-1614/AIC-13	NA 16-30AIC13-1	64173		/ /	/ /	
B	Intermediate maintenance T, T/C, A/D						
B-1	Loudspeaker, LS-211/AIC-13	NA 16-30AIC13-1	64171		/ /	/ /	
B-2	AF amplifier, AM-944/AIC-13	NA 16-30AIC13-1	64172		/ /	*	/ /
B-3	Public address set control, C-1614/AIC-13	NA 16-30AIC13-1	64173		/ /	*	/ /

ITSS (MATMEP) 600 DIVISION (WC 610)

B.5 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the intercom set, AN/AIC-14(), using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Principles of operation						
A-1	Intercom set, AN/AIC-14()	NA 16-30AIC14-2	64180		/ /	/ /	
A-1.1	ICS control, C-2642()/AIC-14()	NA 16-30AIC14-2	64181		/ /	/ /	
A-1.2	Interphone control, C-2643/AIC-14()	NA 16-30AIC14-2	64182		/ /	/ /	
A-1.3	Interphone control, C-2644/AIC-14()	NA 16-30AIC14-2	64183		/ /	/ /	
A-1.4	ICS control, C-2645()/AIC-14()	NA 16-30AIC14-2	64184		/ /	/ /	
A-1.5	ICS control, C-2646()/AIC-14()	NA 16-30AIC14-2	64185		/ /	/ /	
A-1.6	Interphone control, C-2647()/AIC-14()	NA 16-30AIC14-2	64186		/ /	/ /	
A-1.7	ICS control, C-2648()/AIC-14()	NA 16-30AIC14-2	64187		/ /	/ /	
A-1.8	ICS control, C-4949/AIC-14()	NA 16-30AIC14-2	6418D		/ /	/ /	
A-1.9	ICS control, C-4951/AIC-14()	NA 16-30AIC14-2	6418E		/ /	/ /	
A-1.10	Mounting, MT-2075/AIC-14()	NA 16-30AIC14-2	6418F		/ /	/ /	
A-1.11	Control, C-8688/AIC-14()	NA 16-30AIC14-2	6418G		/ /	/ /	
A-1.12	Interphone control, C-4952()/AIC-14()	NA 16-30AIC14-2	6418K		/ /	/ /	
B	Intermediate maintenance T, T/C, A/D						
B-1	ICS control, C-2642()/AIC-14()	NA 16-30AIC14-2	64181		/ /	* / /	
B-2	Interphone control, C-2643/AIC-14()	NA 16-30AIC14-2	64182		/ /	* / /	
B-3	Interphone control, C-2644/AIC-14()	NA 16-30AIC14-2	64183		/ /	* / /	
B-4	ICS control, C-2645()/AIC-14()	NA 16-30AIC14-2	64184		/ /	* / /	
B-5	ICS control, C-2646()/AIC-14()	NA 16-30AIC14-2	64185		/ /	* / /	
B-6	Interphone control, C-2647()/AIC-14()	NA 16-30AIC14-2	64186		/ /	* / /	
B-7	ICS control, C-2648()/AIC-14()	NA 16-30AIC14-2	64187		/ /	* / /	
B-8	ICS control, C-4949/AIC-14()	NA 16-30AIC14-2	6418D		/ /	* / /	
B-9	ICS control, C-4951/AIC-14()	NA 16-30AIC14-2	6418E		/ /	* / /	
B-10	Mounting, MT-2075/AIC-14()	NA 16-30AIC14-2	6418F		/ /	/ /	
B-11	Control, C-8688/AIC-14()	NA 16-30AIC14-2	6418G		/ /	* / /	
B-12	Interphone control, C-4952()/AIC-14()	NA 16-30AIC14-2	6418K		/ /	* / /	

B.6 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the intercommunications set, AN/AIC-18, using appropriate maintenance procedures and support/test equipment. (C-130 A/C)

A	Principles of operation						
A-1	Intercommunications set, AN/AIC-18	NA 16-30AIC18-1	64210		/ /	/ /	
A-1.1	ICS control, C-2106()/AIC-18	NA 16-30AIC18-1	64211		/ /	/ /	
A-1.2	ICS control, C-2105()/AIC-18	NA 16-30AIC18-1	64213		/ /	/ /	
A-1.3	ICS control, C-3942(P)/AIC-18	NA 16-30AIC18-1	64215		/ /	/ /	
A-1.4	Monitor panel, C-3943(P)/AIC-18	NA 16-30AIC18-1	64821		/ /	/ /	
A-1.5	Amplifier, AM-1963/AIC	NA 16-30AIC18-1	64822		/ /	/ /	
A-1.6	Monitor panel, C-2323()/AIC	NA 16-30AIC18-1	6482D		/ /	/ /	
A-1.7	AF Amplifier, AM-1965()/AIC	NA 16-30AIC18-1	6482M		/ /	/ /	

DA B.6 Continued

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B	Intermediate maintenance T, T/C, A/D						
B-1	ICS control, C-2106()/AIC-18	NA 16-30AIC18-1	64211	/ /	* / /		
B-2	ICS control, C-2105()/AIC-18	NA 16-30AIC18-1	64213	/ /	* / /		
B-3	ICS control, C-3942(P)/AIC-18	NA 16-30AIC18-1	64215	/ /	* / /		
B-4	Monitor panel, C-3943(P)/AIC-18	NA 16-30AIC18-1	64821	/ /	* / /		
B-5	Amplifier, AM-1963/AIC-18	NA 16-30AIC18-1	64822	/ /	* / /		
B-6	Monitor panel, C-2323()/AIC-18	NA 16-30AIC18-1	6482D	/ /	* / /		
B-7	AF Amplifier, AM-1965()/AIC-18	NA 16-30AIC18-1	6482M	/ /	* / /		

B.7 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the intercommunications set, AN/AIC-25, using appropriate maintenance procedures and support/test equipment. (C-130 A/C)

A	Principles of operation						
A-1	Intercommunications set, AN/AIC-25				/ /	/ /	
A-1.1	ICS control, C-6567/AIC-25	NA 16-30AIC25-1	6423000	/ /	/ /		
A-1.2	ICS station, C-6624/AIC-25	NA 16-30AIC25-1	6423000	/ /	/ /		
B	Intermediate maintenance T, T/C, A/D						
B-1	ICS control, C-6567/AIC-25	NA 16-30AIC25-1	6423000	/ /	* / /		
B-2	ICS station, C-6624/AIC-25	NA 16-30AIC25-1	6423000	/ /	* / /		

B.8 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the direction finder group, AN/ARA-25(), using appropriate maintenance procedures and support/test equipment. (C-130, CH-53 A/C)

A	Principles of operation						
A-1	Direction finder group, AN/ARA-25()	NA 16-30ARA25-3	71130	/ /	/ /		
A-1.1	Amplifier, AM-608/ARA-25()	NA 16-30ARA25-3	71131	/ /	/ /		
A-1.2	EC amplifier, AM-1777/ARA-25()	NA 16-30ARA25-3	71132	/ /	/ /		
A-1.3	Solenoid relay, RE-120()/ARA-25()	NA 16-30ARA25-3	71133	/ /	/ /		
A-1.4	Antenna, AS-578()/ARA-25()	NA 16-30ARA25-3	71134	/ /	/ /		
A-1.5	Mount, MT-1043/ARA-25()	NA 16-30ARA25-3	71135	/ /	/ /		
A-1.6	Mount/intcon box, J891/ARA-25()	NA 16-30ARA25-3	71136	/ /	/ /		
A-1.7	Base mounting, MT-1042()/ARA-25()	NA 16-30ARA25-3	71138	/ /	/ /		
B	Test and Check						
B-1	Amplifier, AM-608/ARA-25()	NA 16-30ARA25-3	71131	/ /	* / /		
B-2	EC amplifier, AM-1777/ARA-25()	NA 16-30ARA25-3	71132	/ /	* / /		
B-3	Solenoid relay, RE-120()/ARA-25()	NA 16-30ARA25-3	71133	/ /	* / /		
B-4	Antenna, AS-578()/ARA-25()	NA 16-30ARA25-3	71134	/ /	* / /		
B-5	Mount, MT-1043/ARA-25()	NA 16-30ARA25-3	71135	/ /	* / /		
B-6	Mount/intcon box, J891/ARA-25()	NA 16-30ARA25-3	71136	/ /	/ /		
B-7	Base mounting, MT-1042()/ARA-25()	NA 16-30ARA25-3	71138	/ /	/ /		

DA B.8 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C	Troubleshoot						
C-1	Amplifier, AM-608/ARA-25()	NA 16-30ARA25-3	71131		/ /	* / /	
C-2	EC amplifier, AM-1777/ARA-25()	NA 16-30ARA25-3	71132		/ /	* / /	
C-3	Solenoid relay, RE-120()/ARA-25()	NA 16-30ARA25-3	71133		/ /	* / /	
C-4	Antenna, AS-578()/ARA-25()	NA 16-30ARA25-3	71134		/ /	/ /	
C-5	Mount, MT-1043/ARA-25()	NA 16-30ARA25-3	71135		/ /	/ /	
C-6	Mount/intcon box, J891/ARA-25()	NA 16-30ARA25-3	71136		/ /	/ /	
C-7	Base mounting, MT-1042()/ARA-25()	NA 16-30ARA25-3	71138		/ /	/ /	
D	Intermediate maintenance						
D-1	A/D amplifier, AM-608/ARA-25()	NA 16-30ARA25-3	71131		/ /	/ /	
D-1A	Align/adjust amplifier, AM-1777/ARA-25()	NA 16-30ARA25-3	71131		/ /	/ /	
D-2	A/D EC amplifier, AM-1777/ARA-25()	NA 16-30ARA25-3	71132		/ /	/ /	
D-2A	Align/adjust EC amplifier, AM-1777/ARA-25()	NA 16-30ARA25-3	71132		/ /	/ /	
D-3	R&R solenoid relay, RE-120()/ARA-25()	NA 16-30ARA25-3	71133		/ /	/ /	
B-3A	A/D solenoid relay, RE-120()/ARA-25()	NA 16-30ARA25-3	71133		/ /	/ /	
B-3B	Repair solenoid relay, RE-120()/ARA-25()	NA 16-30ARA25-3	71133		/ /	/ /	
D-4	A/D antenna, AS-578()/ARA-25()	NA 16-30ARA25-3	71134		/ /	/ /	
D-4A	Align/adjust antenna, AS-578()/ARA-25()	NA 16-30ARA25-3	71134		/ /	/ /	
D-5	Repair mount, MT-1043/ARA-25()	NA 16-30ARA25-3	71135		/ /	/ /	
D-6	Repair mount/intcon box, J891/ARA-25()	NA 16-30ARA25-3	71136		/ /	/ /	
D-7	Repair base mounting, MT-1042()/ARA-25()	NA 16-30ARA25-3	71138		/ /	/ /	

B.9 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the direction finder group, AN/ARA-50, using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	Direction finder group, AN/ARA-50	NA 16-30ARA50-1	71160		* / /	/ /	
A-1.1	Antenna, AS-909()/ARA-48	NA 16-30ARA50-1	71161		* / /	/ /	
A-1.2	Relay amplifier, AM-3624/ARA-50	NA 16-30ARA50-1	7116200		* / /	/ /	
A-1.3	Mount, MT-1955/ARA-50	NA 16-30ARA50-1	71163		* / /	/ /	
B	Test and check						
B-1	Antenna, AS-909()/ARA-48	NA 16-30ARA50-1	71161		* / /	* / /	
B-2	Relay amplifier, AM-3624/ARA-50	NA 16-30ARA50-1	7116200		* / /	* / /	
B-3	Mount, MT-1955/ARA-50	NA 16-30ARA50-1	71163		* / /	/ /	
C	Troubleshoot						
C-1	Antenna, AS-909()/ARA-48	NA 16-30ARA50-1	71161		* / /	* / /	
C-2	Relay amplifier, AM-3624/ARA-50	NA 16-30ARA50-1	7116200		* / /	* / /	
C-3	Mount, MT-1955/ARA-50	NA 16-30ARA50-1	71163		* / /	/ /	
D	Intermediate maintenance						
D-1	A/D antenna, AS-909()/ARA-48	NA 16-30ARA50-1	71161		* / /	/ /	
D-1A	Align/adjust antenna AS-909()/ARA-48	NA 16-30ARA50-1	71161		* / /	* / /	
D-2	A/D relay amplifier, AM-3624/ARA-50	NA 16-30ARA50-1	7116200		* / /	/ /	
D-2A	Align/adjust relay amplifier, AM-2624/ARA-50	NA 16-30ARA50-1	7116200		* / /	* / /	
D-2.1	R&R electronic control amplifier, AN-1779/ARA-48	NA 16-30ARA50-1	7116210		* / /	/ /	

DA B.9 Continued

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV	
D-2.2	A/D electronic control amplifier, AN-1779/ARA-48	NA 16-30ARA50-1	7116210		*	/ /	/ /	
D-2.3	Align/adjust electronic control amplifier, AM-1779/ARA-48	NA 16-30ARA50-1	7116210		*	/ /	/ /	
D-2.4	R&R interconnecting box, J-942/ARA-50	NA 16-30ARA50-1	7116220		*	/ /	/ /	
D-2.5	A/D interconnecting box, J-942/ARA-50	NA 16-30ARA50-1	7116220		*	/ /	/ /	
D-2.6	Align/adjust interconnecting box, J-942/ARA-50	NA 16-30ARA50-1	7116220			/ /	*	/ /
D-2.7	A/D mount	NA 16-30ARA50-1	7116230		*	/ /	/ /	
D-2.8	R&R relay assembly, RE-339/ARA-48	NA 16-30ARA50-1	7116250		*	/ /	/ /	
D-2.9	A/D relay assembly, RE-339/ARA-48	NA 16-30ARA50-1	7116250			/ /	/ /	
D-2.10	Align/adjust relay assembly, RE-339/ARA-48	NA 16-30ARA50-1	7116250		*	/ /	*	/ /
D-3	A/D mount, MT-1955/ARA-50	NA 16-30ARA50-1	71163		*	/ /	/ /	
D-3A	Repair mount, MT-1955/ARA-50	NA 16-30ARA50-1	71163			/ /	/ /	

B.10 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the HF radio set, AN/ARC-105, using appropriate maintenance procedures and support/test equipment. (EA-6B A/C)

A	Principles of operation							
A-1	Receiver transmitter, RT-712/ARC-105	NA 16-30ARC105-1	6121100		*	/ /	/ /	
A-2	Antenna coupler control, C-4959/ARC-105	NA 16-30ARC105-1	6121200		*	/ /	/ /	
A-3	Radio set control, C-4958/ARC-105	NA 16-30ARC105-1	6121300		*	/ /	/ /	
A-4	Antenna coupler, CU-1239/ARC-105	NA 16-30ARC105-1 NA 16-350F17-1	6121400		*	/ /	/ /	
A-5	Mounting, MT-3094/ARC-105	NA 16-30ARC105-1	61215		*	/ /	/ /	
A-6	Mounting, MT-3095/ARC-105	NA 16-30ARC105-1	61216		*	/ /	/ /	
A-7	Var vacuum capacitor, MX-6066/ARC-105	NA 16-30ARC105-1	6121700		*	/ /	/ /	
B	Test and check							
B-1	Receiver transmitter, RT-712/ARC-105	NA 16-30ARC105-1	6121100		*	/ /	*	/ /
B-2	Antenna coupler control, C-4959/ARC-105	NA 16-30ARC105-1	6121200		*	/ /	*	/ /
B-3	Radio set control, C-4958/ARC-105	NA 16-30ARC105-1	6121300		*	/ /	*	/ /
B-4	Antenna coupler, CU-1239/ARC-105	NA 16-30ARC105-1 NA 16-350F17-1	6121400		*	/ /	*	/ /
B-5	Mounting, MT-3094/ARC-105	NA 16-30ARC105-1	61215		*	/ /	/ /	
B-6	Mounting, MT-3095/ARC-105	NA 16-30ARC105-1	61216		*	/ /	/ /	
B-7	Var vacuum capacitor, MX-6066/ARC-105	NA 16-30ARC105-1	6121700		*	/ /	/ /	
C	Troubleshoot							
C-1	Receiver transmitter, RT-712/ARC-105	NA 16-30ARC105-1	6121100		*	/ /	*	/ /
C-2	Antenna coupler control, C-4959/ARC-105	NA 16-30ARC105-1	6121200		*	/ /	*	/ /
C-3	Radio set control, C-4958/ARC-105	NA 16-30ARC105-1	6121300		*	/ /	*	/ /
C-5	Mounting, MT-3094/ARC-105	NA 16-30ARC105-1	61215		*	/ /	/	/
C-6	Mounting, MT-3095/ARC-105	NA 16-30ARC105-1	61216		*	/ /	/	/

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DA B.10 Continued

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D	Intermediate maintenance						
D-1	A/D receiver transmitter, RT-712/ARC-105	NA 16-30ARC105-1	6121100		* / /	/ /	
D-1A	Align/adjust receiver transmitter, RT-712/ARC-105	NA 16-30ARC105-1	6121100		* / /	* / /	
D-1.1	R&R module assemblies	NA 16-30ARC105-1	6121100		* / /	* / /	
D-1.2	A/D AM audio frequency amplifier	NA 16-30ARC105-1	6121110		* / /	/ /	
D-1.3	Align/adjust AM audio frequency amplifier	NA 16-30ARC105-1	6121110		* / /	/ /	
D-1.4	A/D power supply	NA 16-30ARC105-1	6121120		* / /	/ /	
D-1.5	Align/adjust power supply	NA 16-30ARC105-1	6121120		* / /	/ /	
D-1.6	A/D electronic control amplifier	NA 16-30ARC105-1	6121150		* / /	/ /	
D-1.7	Align/adjust electronic control amplifier	NA 16-30ARC105-1	6121150		* / /	/ /	
D-1.8	A/D IF translator	NA 16-30ARC105-1	6121170		* / /	/ /	
D-1.9	Align/adjust IF translator	NA 16-30ARC105-1	6121170		* / /	/ /	
D-1.10	A/D RF amplifier	NA 16-30ARC105-1	6121180		* / /	/ /	
D-1.11	Align/adjust RF amplifier	NA 16-30ARC105-1	6121180		* / /	/ /	
D-1.12	A/D RF translator	NA 16-30ARC105-1	6121190		* / /	/ /	
D-1.13	Align/adjust RF translator	NA 16-30ARC105-1	6121190		* / /	/ /	
D-1.14	A/D frequency divider	NA 16-30ARC105-1	61211A0		* / /	/ /	
D-1.15	Align/adjust frequency divider	NA 16-30ARC105-1	61211A0		* / /	/ /	
D-1.16	R&R chassis assembly	NA 16-30ARC105-1	61211B0		* / /	/ /	
D-1.17	A/D chassis assembly	NA 16-30ARC105-1	61211B0		* / /	/ /	
D-2	Antenna coupler control, C-4958/ARC-105	NA 16-30ARC105-1	6121200		* / /	/ /	
D-2A	Align/adjust antenna coupler control, C-4959/ARC-105	NA 16-30ARC105-1	6121200		* / /	* / /	
D-2.1	A/D chassis	NA 16-30ARC105-1	6121210		* / /	/ /	
D-2.2	R&R module assemblies	NA 16-30ARC105-1	6121200		* / /	* / /	
D-2.3	A/D servo control	NA 16-30ARC105-1	6121220		* / /	/ /	
D-2.4	Align/adjust servo control	NA 16-30ARC105-1	6121220		* / /	/ /	
D-2.5	A/D relay assembly group	NA 16-30ARC105-1	6121230		* / /	/ /	
D-2.6	Align/adjust relay assembly group	NA 16-30ARC105-1	6121230		* / /	/ /	
D-3	Radio set control, C-4959/ARC-105	NA 16-30ARC105-1	6121300		* / /	/ /	
D-3A	Align/adjust radio set control, C-4959/ARC-105	NA 16-30ARC105-1	6121300		* / /	/ /	
D-3.1	R&R rotating counter	NA 16-30ARC105-1	6121310		* / /	/ /	
D-3.2	A/D rotating counter	NA 16-30ARC105-1	6121310		* / /	/ /	
D-3.3	Align/adjust rotating counter	NA 16-30ARC105-1	6121310		* / /	/ /	
D-3.4	A/D mounting, MT-3094/ARC-105	NA 16-30ARC105-1	61215		* / /	/ /	
D-3.5	Align/adjust mounting, MT-3094/ARC-105	NA 16-30ARC105-1	61215		* / /	/ /	
D-3.6	A/D mounting, MT-3095/ARC-105	NA 16-30ARC105-1	61216		* / /	/ /	
D-3.7	Align/adjust mounting, MT-3095/ARC-105	NA 16-30ARC105-1	61216		* / /	/ /	

B.11 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the VHF radio set, AN/ARC-114(), using appropriate maintenance procedures and support/test equipment. (CH-53 A/C)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Principles of operation						
A-1	Radio set, AN/ARC-114()	NA 16-30ARC114-2	621B0		/ /	/ /	
B	Test and check						
B-1	Radio set, AN/ARC-114()	NA 16-30ARC114-2	621B0		/ /	* / /	
C	Troubleshoot						
C-1	Radio set, AN/ARC-114()	NA 16-30ARC114-2	621B0		/ /	* / /	
D	Intermediate maintenance						
D-1	Radio set, AN/ARC-114()	NA 16-30ARC114-2	621B0		/ /	/ /	
D-1A	Align/adjust radio set, AN/ARC-114()	NA 16-30ARC114-2	621B0		/ /	* / /	
D-1.1	R&R module assemblies	NA 16-30ARC114-2	621B100		/ /	/ /	
D-1.2	A/D front section A1	NA 16-30ARC114-2	621B100		/ /	/ /	
D-1.3	Align/adjust front section A1	NA 16-30ARC114-2	621B100		/ /	/ /	
D-1.3A	A/D front panel A2	NA 16-30ARC114-2	621B120		/ /	/ /	
D-1.3B	Align/adjust front panel A2	NA 16-30ARC114-2	621B120		/ /	/ /	
D-1.3C	A/D frequency control A1A3	NA 16-30ARC114-2	621B130		/ /	/ /	
D-1.3D	Align/adjust frequency control A1A3	NA 16-30ARC114-2	621B130		/ /	/ /	
D-1.3E	A/D main/guard receiver A1A4	NA 16-30ARC114-2	621B140		/ /	/ /	
D-1.3F	Align/adjust main/guard receiver A1A4	NA 16-30ARC114-2	621B140		/ /	/ /	
D-1.3G	A/D main chassis A1A5	NA 16-30ARC114-2	621B150		/ /	/ /	
D-1.3H	Align/adjust main chassis A1A5	NA 16-30ARC114-2	621B150		/ /	/ /	
D-1.4	R&R XMTR reg section subassembly A2	NA 16-30ARC114-2	621B200		/ /	/ /	
D-1.4A	A/D XMTR reg section subassembly A2	NA 16-30ARC114-2	621B200		/ /	/ /	
D-1.4B	Align/adjust XMTR reg section subassembly A2	NA 16-30ARC114-2	621B200		/ /	* / /	
D-1.5	R&R module assemblies	NA 16-30ARC114-2	621B210		/ /	* / /	
D-1.5A	A/D relay circuit A2A1	NA 16-30ARC114-2	621B210		/ /	/ /	
D-1.5B	A/D power supply circuit A2A2	NA 16-30ARC114-2	621B220		/ /	/ /	
D-1.5C	A/D power amplifier circuit A2A3	NA 16-30ARC114-2	621B230		/ /	/ /	
D-1.5D	A/D filter and relay A2A4	NA 16-30ARC114-2	621B240		/ /	/ /	
D-1.5E	A/D reflectometer A2A5	NA 16-30ARC114-2	621B250		/ /	/ /	

B.12 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the VHF/FM radio set, An/ARC-131, using appropriate maintenance procedures and support/test equipment. (C-130, CH-53 A/C)

A	Principles of operation						
A-1	VHF/FM radio set, AN/ARC-131	NA 16-30ARC131-2	621F0		/ /	/ /	
A-1.1	Receiver transmitter, RT-823/ARC-131	NA 16-30ARC131-2	621F100	*	/ /	/ /	
A-1.2	Radio set control, C-7088/ARC-131	NA 16-30ARC131-2	621F2	*	/ /	/ /	
A-1.3	Mount, MT-3664/ARC-131	NA 16-30ARC131-2	621F3		/ /	/ /	

DA B.12 Continued

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B	Test and check						
B-1	Receiver transmitter, RT-823/ARC-131	NA 16-30ARC131-2	621F100	*	/ /	*	/ /
B-2	Radio set control, C-7088/ARC-131	NA 16-30ARC131-2	621F2	*	/ /	*	/ /
B-3	Mount, MT-3664/ARC-131	NA 16-30ARC131-2	621F3		/ /	/ /	
C	Troubleshoot						
C-1	Receiver transmitter, RT-823/ARC-131	NA 16-30ARC131-2	621F100	*	/ /	*	/ /
C-2	Radio set control, C-7088/ARC-131	NA 16-30ARC131-2	621F2	*	/ /	*	/ /
C-3	Mount, MT-3664/ARC-131	NA 16-30ARC131-2	621F3		/ /	/ /	
D	Intermediate maintenance						
D-1	Align/adjust VHF/FM radio set, AN/ARC-131	NA 16-30ARC131-2	621F0		/ /	*	/ /
D-2	A/D receiver transmitter, RT-823/ARC-131	NA 16-30ARC131-2	621F100		/ /	/ /	
D-2A	Align/adjust receiver transmitter, RT-823/ARC-131	NA 16-30ARC131-2	621F100			/ /	*
D-2.1	R&R module assemblies	NA 16-30ARC131-2	621F110		/ /	*	/ /
D-2.2	A/D VHF tuner assembly	NA 16-30ARC131-2	621F110		/ /	/ /	
D-2.3	Align/adjust VHF tuner assembly	NA 16-30ARC131-2	621F110		/ /	/ /	
D-2.4	A/D crystal reference system	NA 16-30ARC131-2	621F130		/ /	/ /	
D-2.5	Align/adjust crystal reference system	NA 16-30ARC131-2	621F130		/ /	/ /	
D-2.6	A/D IF amplifier assembly	NA 16-30ARC131-2	621F140		/ /	/ /	
D-2.7	Align/adjust IF amplifier assembly	NA 16-30ARC131-2	621F140		/ /	/ /	
D-2.8	A/D RF control assembly	NA 16-30ARC131-2	621F150		/ /	/ /	
D-2.9	Align/adjust RF control assembly	NA 16-30ARC131-2	621F150		/ /	/ /	
D-2.10	A/D audio frequency amplifier assembly	NA 16-30ARC131-2	621F160		/ /	/ /	
D-2.11	Align/adjust audio frequency amplifier assembly	NA 16-30ARC131-2	621F160			/ /	/ /
D-2.12	A/D oscillator buffer assembly	NA 16-30ARC131-2	621F170		/ /	/ /	
D-2.13	Align/adjust oscillator buffer assembly	NA 16-30ARC131-2	621F170		/ /	/ /	
D-2.14	A/D RF amplifier assembly	NA 16-30ARC131-2	621F180		/ /	/ /	
D-2.15	Align/adjust RF amplifier assembly	NA 16-30ARC131-2	621F180		/ /	/ /	
D-2.16	A/D amplifier modulator assembly	NA 16-30ARC131-2	621F190		/ /	/ /	
D-2.17	Align/adjust amplifier modulator assembly	NA 16-30ARC131-2	621F190		/ /	*	/ /
D-2.18	A/D power supply assembly	NA 16-30ARC131-2	621F1A0		/ /	/ /	
D-2.19	Align/adjust power supply assembly	NA 16-30ARC131-2	621F1A0		/ /	/ /	
D-2.20	R&R receiver transmitter chassis	NA 16-30ARC131-2	621F1B0		/ /	/ /	
D-2.21	A/D receiver transmitter chassis	NA 16-30ARC131-2	621F1B0		/ /	/ /	
D-2.22	Align/adjust receiver transmitter chassis	NA 16-30ARC131-2	621F1B0		/ /	*	/ /
D-2.23	R&R gearbox assembly	NA 16-30ARC131-2	621F1C0		/ /	/ /	
D-2.24	A/D gearbox assembly	NA 16-30ARC131-2	621F1C0		/ /	/ /	
D-2.25	Align/adjust gearbox assembly	NA 16-30ARC131-2	621F1C0		/ /	/ /	
D-3	A/D radio set control, C-7088/ARC-131	NA 16-30ARC131-2	621F2		/ /	/ /	
D-4	A/D mount, MT-3664/ARC-131	NA 16-30ARC131-2	621F3		/ /	/ /	

B.13 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the radio system, AN/ARC-159() (V) (), using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Principles of operation						
A-1	Receiver transmitter, RT-1150/ARC-159(V)	NA 16-35RT1150-1	632Z600	*	/ /	/ /	
A-2	UHF transceiver, AN/ARC-159(V)-1	NA 16-30ARC159-4	632Z100	*	/ /	/ /	
A-3	Frequency channel indicator, ID-1972/ARC-159(V)	NA 16-30ARC159-4 NA 16-35ID1972-1	632ZB00		*	/ /	
A-4	Electronic equipment mount base, MT-4658/ARC-159(V)	NA 16-35MT4658-1	632ZE		*	/ /	
A-5	Electronic equipment mount base, MT-4609/ARC-159(V)	NA 16-35C9451-1	632Z3		*	/ /	
A-6	Switching unit, SA-1964()/ARC-159(V)	NA 16-35C9451-1	632ZN	*	/ /	/ /	
A-7	Frequency channel indicator, ID-1984/ARC-159(V)	NA 16-35ID1984-1	633A100		*	/ /	
A-8	Radio set control, C-9816/ARC-159()	NA 16-35C9815-1	633A500	*	/ /	/ /	
A-9	Radio set control, C-9451/ARC-159()(V)()	NA 16-35C9451-1	632Z4	*	/ /	/ /	
A-10	Mount, MT-4795/ARC-159()(V)	NA 16-35MT4795-1	632ZV00	*	/ /	/ /	
B	Test and check						
B-1	Receiver transmitter, RT-1150/ARC-159(V)	NA 16-35RT1150-1	632Z600	*	/ /	* /	
B-2	UHF transceiver, AN/ARC-159(V)-1	NA 16-30ARC159-4	632Z100	*	/ /	* /	
B-3	Frequency channel indicator, ID-1972/ARC-159(V)	NA 16-30ARC159-4 NA 16-35ID1972-1	632ZB00		*	/ /	*
B-4	Electronic equipment mount base, MT-4658/ARC-159(V)	NA 16-35MT4658-1	632ZE		*	/ /	
B-5	Electronic equipment mount base, MT-4609/ARC-159(V)	NA 16-35C9451-1	632Z3		*	/ /	
B-6	Switching unit, SA-1964()/ARC-159(V)	NA 16-35C9451-1	632ZN	*	/ /	/ /	
B-7	Frequency channel indicator, ID-1984/ARC-159(V)	NA 16-35ID1984-1	633A100		*	/ /	
B-8	Radio set control, C-9816/ARC-159()	NA 16-35C9815-1	633A500	*	/ /	/ /	
B-9	Radio set control, C-9451/ARC-159()(V)()	NA 16-35C9451-1	632Z4	*	/ /	/ /	
B-10	Mount, MT-4795/ARC-159()(V)	NA 16-35MT4795-1	632ZV00	*	/ /	/ /	
C	Troubleshoot						
C-1	Receiver transmitter, RT-1150/ARC-159(V)	NA 16-35RT1150-1	632Z600	*	/ /	* /	
C-2	UHF transceiver, AN/ARC-159(V)-1	NA 16-30ARC159-4	632Z100	*	/ /	* /	
C-3	Frequency channel indicator, ID-1972/ARC-159(V)	NA 16-30ARC159-4 NA 16-35ID1972-1	632ZB00		*	/ /	
C-4	Electronic equipment mount base, MT-4658/ARC-159(V)	NA 16-35MT4658-1	632ZE		*	/ /	
C-5	Electronic equipment mount base, MT-4609/ARC-159(V)	NA 16-35C9451-1	632Z3			/ /	
C-6	Switching unit, SA-1964()/ARC-159(V)	NA 16-35C9451-1	632ZN	*	/ /	/ /	
C-7	Frequency channel indicator, ID-1984/ARC-159(V)	NA 16-35ID1984-1	633A100		*	/ /	
C-8	Radio set control, C-9816/ARC-159()	NA 16-35C9815-1	633A500		/ /	/ /	
C-9	Radio set control, C-9451/ARC-159()(V)()	NA 16-35C9451-1	632Z4	*	/ /	/ /	
C-10	Mount, MT-4795/ARC-159()(V)	NA 16-35MT4795-1	632ZV00	*	/ /	/ /	

DA B.13 Continued

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D	Intermediate maintenance						
D-1	A/D receiver transmitter, RT-1150/ARC-159(V)	NA 16-35RT1150-1	632Z600		* / /	/ /	
D-1A	Align/adjust receiver transmitter, RT-1150/ARC-159(V)	NA 16-35RT1150-1	632Z600		* / /	* / /	
D-1.1	R&R module assemblies	NA 16-35RT1150-1	632Z600		* / /	* / /	
D-2	A/D UHF transceiver, AN/ARC-159(V)-1	NA 16-30ARC159-4	632Z100		* / /	/ /	
D-2A	Align/adjust UHF transceiver, AN/ARC-159(V)-1	NA 16-30ARC159-4	632Z100		* / /	/ /	
D-2.1	R&R module assemblies	NA 16-30ARC159-4	632Z100		* / /	/ /	
D-3	A/D frequency channel indicator, ID-1972/ARC-159(V)	NA 16-35ID1971-1	632ZB00		* / /	/ /	
D-3.1	R&R circuit card	NA 16-35ID1972-1	632ZB10		* / /	/ /	
D-3.2	R&R power supply chassis	NA 16-35ID1972-1	632ZB20		* / /	/ /	
D-4	A/D frequency channel indicator, ID-1984/ARC-159(V)	NA 16-35ID1984-1	633A100		* / /	/ /	
D-4.1	R&R subassemblies	NA 16-35ID1984-1	633A100		* / /	/ /	
D-5	A/D radio set board assemblies, C-9816/ARC-159()	NA 16-35C9815-1	633A500		/ /	/ /	
D-5.1	R&R circuit board assemblies	NA 16-35C9815-1	633A500		/ /	/ /	

B.14 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the UHF/VHF radio set, AN/ARC-182()(V) and RT 1379/ASW, using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	Radio receiver transmitter, RT-1250()/ARC	AE-105AA-MIB-000	62X2100		* / /	* / /	
A-2	RT 1379/ASW	AE-105AC-570-000	57X1U00		/ /	* / /	
A-3	Antenna, AS-3191/A	AE-105AA-MIB-000	62X2C		/ /	/ /	
B	Test and check						
B-1	Radio receiver transmitter, RT-1250()/ARC	AE-105AA-MIB-000	62X2100		* / /	* / /	
B-2	RT 1379/ASW	AE-105AC-570-000	57X1U00		/ /	* / /	
B-3	Antenna, AS-3191/A	AE-105AA-MIB-000	62X2C		/ /	/ /	
C	Troubleshoot						
C-1	Radio receiver transmitter, RT-1250()/ARC	AE-105AA-MIB-000	62X2100		* / /	* / /	
C-2	RT 1379/ASW	AE-105AC-570-000	57X1U00		/ /	* / /	
C-3	Antenna, AS-3191/A	AE-105AA-MIB-000	62X2C		/ /	/ /	
D	Intermediate maintenance						
D-1	Radio receiver transmitter, RT-1250()/ARC	AE-105AA-MIB-000	62X2100		/ /	/ /	
D-1A	Align/adjust radio receiver transmitter, RT-1250()/ARC	AE-105AA-MIB-000	62X2100		/ /	* / /	
D-1.1	R&R module assemblies	AE-105AA-MIB-000	62X2100		/ /	/ /	
D-1.1A	Align/adjust guard receiver A3 module	AE-105AA-MIB-000	62X2130		/ /	* / /	
D-1.1B	Align/adjust main receiver A4 module	AE-105AA-MIB-000	62X2140		/ /	* / /	
D-1.1C	Align/adjust transmitter A6 module	AE-105AA-MIB-000	62X2160		/ /	* / /	

DA B.14 Continued

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-2	RT 1379/ASW	AE-105AC-570-000	57X1U00		/ /	/ /	
D-2A	A/A RT 1379/ASW	AE-105AC-570-000	57X1U00		/ /	* / /	
D-2.1	R&R module assembly	AE-105AC-570-000	57X1U00		/ /	/ /	
D-2.1A	A/A guard receiver A3 module	AE-105AC-570-000	57X1U00		/ /	* / /	
D-2.1B	A/A guard receiver A4 module	AE-105AC-570-000	57X1U00		/ /	* / /	
D-2.1C	A/A transmitter A6 module	AE-105AC-570-000	57X1U00		/ /	* / /	

B.15 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the radio set, AN/ARC-186(V), using appropriate maintenance procedures and support/test equipment. (C-130, CH-53 A/C)

A	Principles of operation						
A-1	Radio set, AN/ARC-186(V)	NA 16-30ARC186-1	621R0		/ /	/ /	
A-1.1	Receiver transmitter, RT-1299(V)()/ARC-186(V)	NA 16-30ARC186-1	621R200		/ /	/ /	
A-1.2	Signal data comparator, CM-482/ARC-186(V)	NA 16-30ARC186-1	621RC00		/ /	/ /	
B	Test and check						
B-1	Receiver transmitter, RT-1299(V)()/ARC-186(V)	NA 16-30ARC186-1	621R200		/ /	* / /	
B-2	Signal data comparator, CM-482/ARC-186(V)	NA 16-30ARC186-1	621RC00		/ /	/ /	
C	Troubleshoot						
C-1	Receiver transmitter, RT-1299(V)()/ARC-186(V)	NA 16-30ARC186-1	621R200		/ /	* / /	
D	Intermediate maintenance						
D-1	Receiver transmitter, RT-1299(V)()/ARC-186(V)	NA 16-30ARC186-1	621R200		/ /	* / /	
D-1.1	R&R subassemblies	NA 16-30ARC186-1	621R200		/ /	/ /	
D-1.1A	Align/adjust transmitter A1 module	NA 16-30ARC186-1	621R210		/ /	* / /	
D-1.1B	Align/adjust power supply A2 module	NA 16-30ARC186-1	621R220		/ /	* / /	
D-1.1C	Align/adjust audio circuit A3 module	NA 16-30ARC186-1	621R230		/ /	* / /	
D-1.1D	Align/adjust synthesizer A4 module	NA 16-30ARC186-1	621R250		/ /	* / /	
D-1.1E	Align/adjust IF/RF receiver assembly A5 module	NA 16-30ARC186-1	621R240		/ /	* / /	
D-2	Signal data comparator, CM-482/ARC-186(V)	NA 16-30ARC186-1	621RC00		/ /	/ /	
D-1.1	R&R subassemblies	NA 16-30ARC186-1	621RC00		/ /	/ /	
D-1.2	R&R wiring/related components	NA 16-30ARC186-1	621RC00		/ /	/ /	

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B.16 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the radio set, AN/ARC-190(V)(), using appropriate maintenance procedures and support/test equipment. (KC-130 A/C)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Principles of operation				/ /	/ /	
A-1	Radio set, AN/ARC-190(V)()				/ /	/ /	
A-1.1	Receiver-transmitter, RT 1341(V)()/ARC-190(V)()	NA 16-30ARC-190	6116100		*	/ /	*
A-1.2	Radio set control, C-10828(V)()/ARC-190(V)()	NA 16-30ARC-190	6116300		/ /	*	/ /
A-1.3	Antenna coupler, CU2275(V)()/ARC-190(V)()	NA 16-35CU2275-2	6116400		/ /	/ /	
A-1.4	Electrical equipment MT base, MT6140/ARC-190(V)()	NA 16-35MT6142-1	61165		/ /	/ /	
A-1.5	Electrical equipment MT base, MT6141/ARC-190(V)()	NA 16-35MT6142-1	61166		/ /	/ /	
A-1.6	Electrical equipment MT base, MT6142/ARC-190(V)()	NA 16-35MT6142-1	61167		/ /	/ /	
A-1.7	Band pass filter, F1535/ARC-190(V)()	NA 16-35F1535-1	61169		/ /	/ /	
A-1.8	Electrical equipment MT base, MT6625/ARC-190(V)()	NA 16-35F1535-1	6116920		/ /	/ /	
A-1.9	Electrical equipment MT base, MT6245/ARC-190(V)()	NA 16-35F1535-1	6116920		/ /	/ /	
B	Test and check						
B-1	Receiver-transmitter, RT 1341(V)()/ARC-190(V)()	NA 16-30ARC-190	6116100		*	/ /	*
B-2	Radio set control, C-10828(V)()/ARC-190(V)()	NA 16-30ARC-190	6116300		/ /	*	/ /
B-3	Antenna coupler, CU2275(V)()/ARC-190(V)()	NA 16-35CU2275-2	6116400		/ /	*	/ /
B-4	Electrical equipment MT base, MT6140/ARC-190(V)()	NA 16-35MT6142-1	61165		/ /	/ /	
B-5	Electrical equipment MT base, MT6141/ARC-190(V)()	NA 16-35MT6142-1	61166		/ /	/ /	
B-6	Electrical equipment MT base, MT6142/ARC-190(V)()	NA 16-35MT6142-1	61167		/ /	/ /	
B-7	Band pass filter, F1535/ARC-190(V)()	NA 16-35F1535-1	61169		/ /	/ /	
B-8	Electrical equipment MT base, MT6625/ARC-190(V)()	NA 16-35F1535-1	6116920		/ /	/ /	
B-9	Electrical equipment MT base, MT6245/ARC-190(V)()	NA 16-35F1535-1	6116920		/ /	/ /	
C	Troubleshoot						
C-1	Receiver-transmitter, RT 1341(V)()/ARC-190(V)()	NA 16-30ARC-190	6116100		/ /	*	/ /
C-2	Radio set control, C-10828(V)()/ARC-190(V)()	NA 16-30ARC-190	6116300		/ /	*	/ /
C-3	Antenna coupler, CU2275(V)()/ARC-190(V)()	NA 16-35CU2275-2	6116400		/ /	*	/ /
C-4	Electrical equipment MT base, MT6140/ARC-190(V)()	NA 16-35MT6142-1	61165		/ /	/ /	

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DA B.16 Continued

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C-5	Electrical equipment MT base, MT6141/ARC-190(V)()	NA 16-35MT6142-1	61166		/ /	/ /	
C-6	Electrical equipment MT base, MT6142/ARC-190(V)()	NA 16-35MT6142-1	61167		/ /	/ /	
C-7	Band pass filter, F1535/ARC-190(V)()	NA 16-35F1535-1	61169		/ /	/ /	
C-8	Electrical equipment MT base, MT6625/ARC-190(V)()	NA 16-35F1535-1	6116920		/ /	/ /	
C-9	Electrical equipment MT base, MT6245/ARC-190(V)()	NA 16-35F1535-1	6116920		/ /	/ /	
D	Intermediate maintenance						
D-1	A/D radio receiver-transmitter, RT 1341(V)()/ARC-190(V)()	NA 16-30ARC-190	6116100		/ /	/ /	
D-1A	Align/adjust radio receiver-transmitter, RT 1341(V)()/ARC-190(V)()	NA 16-30ARC-190	6116100		/ /	* / /	
D-1.1	R&R module assemblies	NA 16-30ARC-190	6116100		/ /	/ /	
D-1.2	A/D module assemblies	NA 16-30ARC-190	6116100		/ /	/ /	
D-2	A/D radio set control, C-10828(V)()/ARC-190(V)()	NA 16-30ARC-190	6116300		/ /	/ /	
D-2A	Align/adjust radio set control, C-10828(V)()/ARC-190(V)()	NA 16-30ARC-190	6116300		/ /	* / /	
D-2.1	R&R module assemblies	NA 16-30ARC-190	6116300		/ /	/ /	
D-2.2	A/D module assemblies	NA 16-30ARC-190	6116300		/ /	/ /	
D-3	A/D antenna coupler, CU2275(V)()/ARC-190(V)()	NA 16-35CU2275-2	6116400		/ /	/ /	
D-3A	Align/adjust antenna coupler, CU227(V)()/ARC-190(V)()	NA 16-35CU2275-2	6116400		/ /	* / /	
D-3.1	R&R module assemblies	NA 16-35CU2275-2	6116400		/ /	/ /	
D-3.2	A/D module assemblies	NA 16-35CU2275-2	6116400		/ /	/ /	
D-4	A/D electrical equipment MT base, MT6140/ARC-190(V)()	NA 16-35MT6142-1	61165		/ /	/ /	
D-4A	Repair electrical equipment MT base, MT6140/ARC-190(V)()	NA 16-35MT6142-1	61165		/ /	* / /	
D-5	A/D electrical equipment MT base, MT6141/ARC-190(V)()	NA 16-35MT6142-1	61166		/ /	/ /	
D-5A	Repair electrical equipment MT base, MT6141/ARC-190(V)()	NA 16-35MT6142-1	61166		/ /	* / /	
D-6	A/D electrical equipment MT base, MT6142/ARC-190(V)()	NA 16-35MT6142-1	61167		/ /	/ /	
D-6A	Repair electrical equipment MT base, MT6142/ARC-190(V)()	NA 16-35MT6142-1	61167		/ /	* / /	
D-7	A/D band pass filter, F1535/ARC-190(V)()	NA 16-35F1535-1	61169		/ /	/ /	
D-7A	Align/adjust band pass filter, F1535/ARC-190(V)()	NA 16-35F1535-1	61169		/ /	* / /	
D-7.1	R&R module assemblies	NA 16-35F1535-1	61169		/ /	/ /	
D-7.2	A/D module assemblies	NA 16-35F1535-1	61169		/ /	/ /	

DA B.16 Continued

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-8	A/D electrical equipment MT base, MT6625/ARC-190(V)()	NA 16-35F1535-1	6116920		/ /	/ /	
D-8A	Repair electrical equipment MT base, MT6625/ARC-190(V)()	NA 16-35F1535-1	6116920		/ /	* / /	
D-9	A/D electrical equipment MT base, MT6245/ARC-190(V)()	NA 16-35F1535-1	6116920		/ /	/ /	
D-9A	Repair electrical equipment MT base, MT6245/ARC-190(V)()	NA 16-35F1535-1	6116920		/ /	* / /	

B.17 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the radio set, AN/ARC-51(), using appropriate maintenance procedures and support/test equipment. (CH-53, CH-46 A/C)

A	Principles of operation						
A-1	Radio set, AN/ARC-51()	NA 16-30ARC51-5	63150		* / /	/ /	
A-1.1	Radio set control, C-3984/ARC-51()	NA 16-30ARC51-5	63152		* / /	/ /	
A-1.2	Radio set control, C-4630/ARC-51()	NA 16-30ARC51-5	63153		* / /	/ /	
A-1.3	Radio set control, C-6476/ARC-51()	NA 16-30ARC51-5	63154		* / /	/ /	
A-1.4	Air cooler, HD-615/ARC-51()	NA 16-30ARC51-5	6315G		* / /	/ /	
A-1.5	Receiver transmitter, RT-743()/ARC-51()	NA 16-30ARC51-5	6315Q00		* / /	/ /	
A-1.6	Receiver transmitter, RT-780()/ARC-51()	NA 16-30ARC51-5	6315S00		* / /	/ /	
A-1.7	SWR indicator, ID-1003/ARC-51()	NA 16-30ARC51-5	63Y1C		* / /	/ /	
B	Test and check						
B-1	Radio set control, C-3984/ARC-51()	NA 16-30ARC51-5	63152		* / /	* / /	
B-2	Radio set control, C-4630/ARC-51()	NA 16-30ARC51-5	63153		* / /	* / /	
B-3	Radio set control, C-6476/ARC-51()	NA 16-30ARC51-5	63154		* / /	* / /	
B-4	Air cooler, HD-615/ARC-51()	NA 16-30ARC51-5	6315G		* / /	/ /	
B-5	Receiver transmitter, RT-743()/ARC-51()	NA 16-30ARC51-5	6315Q00		* / /	* / /	
B-6	Receiver transmitter, RT-780()/ARC-51()	NA 16-30ARC51-5	6315S00		* / /	* / /	
B-7	SWR indicator, ID-1003/ARC	NA 16-30ARC51-5	63Y1C		* / /	/ /	
C	Troubleshoot						
C-1	Radio set control, C-3984/ARC-51()	NA 16-30ARC51-5	63152		* / /	* / /	
C-2	Radio set control, C-4630/ARC-51()	NA 16-30ARC51-5	63153		* / /	* / /	
C-3	Radio set control, C-6476/ARC-51()	NA 16-30ARC51-5	63154		* / /	* / /	
C-4	Air cooler, HD-615/ARC-51()	NA 16-30ARC51-5	6315G		* / /	/ /	
C-5	Receiver transmitter, RT-743()/ARC-51()	NA 16-30ARC51-5	6315Q00		* / /	* / /	
C-6	Receiver transmitter, RT-780()/ARC-51()	NA 16-30ARC51-5	6315S00		* / /	* / /	
C-7	SWR indicator, ID-1003/ARC	NA 16-30ARC51-5	63Y1C		* / /	/ /	
D	Intermediate maintenance						
D-1	A/D radio set control, C-3984/ARC-51()	NA 16-30ARC51-5	63152		* / /	/ /	
D-1A	Align/adjust radio set control, C-3984/ARC-51()	NA 16-30ARC51-5	63152		* / /	/ /	
D-2	A/D radio set control, C-4630/ARC-51()	NA 16-30ARC51-5	63153		* / /	/ /	
D-2A	Align/adjust radio set control, C-4630/ARC-51()	NA 16-30ARC51-5	63153		* / /	/ /	

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DA B.17 Continued

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-3	A/D radio set control, C-6476/ARC-51()	NA 16-30ARC51-5	63154		* / /	/ /	
D-3A	Repair radio set control, C-6476/ARC-51()	NA 16-30ARC51-5	63154		* / /	/ /	
D-4	A/D air cooler, HD-615/ARC-51()	NA 16-30ARC51-5	6315G		* / /	/ /	
D-5	A/D receiver transmitter, RT-743()/ARC-51()	NA 16-30ARC51-5	6315Q00				
D-5A	Align/adjust receiver transmitter, RT-743()/ARC-51()	NA 16-30ARC51-5	6315Q00		* / /	* / /	
D-5.1	R&R subassemblies	NA 16-30ARC51-5	6315Q00		* / /	/ /	
D-5.2	A/D first and second IF amplifier	NA 16-30ARC51-5	6315Q10		* / /	/ /	
D-5.2A	Align/adjust first and second IF amplifier	NA 16-30ARC51-5	6315Q10		/ /	* / /	
D-5.3	A/D third IF amplifier	NA 16-30ARC51-5	6315Q20		* / /	/ /	
D-5.3A	Align/adjust third IF amplifier	NA 16-30ARC51-5	6315Q20		/ /	* / /	
D-5.4	A/D receiver pre-amplifier	NA 16-30ARC51-5	6315Q30		* / /	/ /	
D-5.4A	Align/adjust receiver pre-amplifier	NA 16-30ARC51-5	6315Q30		/ /	* / /	
D-5.5	A/D power divider	NA 16-30ARC51-5	6315Q40		* / /	/ /	
D-5.5A	Align/adjust power divider	NA 16-30ARC51-5	6315Q40		/ /	* / /	
D-5.6	A/D guard receiver	NA 16-30ARC51-5	6315Q50		* / /	/ /	
D-5.6A	Align/adjust guard receiver	NA 16-30ARC51-5	6315Q50		/ /	* / /	
D-5.7	A/D modulator and audio amplifier	NA 16-30ARC51-5	6315Q60		* / /	/ /	
D-5.7A	Align/adjust modulator and audio amplifier	NA 16-30ARC51-5	6315Q60		/ /	* / /	
D-5.8	A/D spectrum generator	NA 16-30ARC51-5	6315Q70		* / /	/ /	
D-5.8A	Align/adjust spectrum generator	NA 16-30ARC51-5	6315Q70		/ /	* / /	
D-5.9	A/D mechanical tuner	NA 16-30ARC51-5	6315Q80		* / /	/ /	
D-5.10	Align/adjust mechanical tuner	NA 16-30ARC51-5	6315Q80		* / /	/ /	
D-5.11	Repair mechanical tuner	NA 16-30ARC51-5	6315Q80		* / /	/ /	
D-5.12	A/D power supply	NA 16-30ARC51-5	6315Q90		* / /	/ /	
D-5.13	R&R main chassis	NA 16-30ARC51-5	6315QA0		* / /	/ /	
D-5.14	A/D main chassis	NA 16-30ARC51-5	6315QA0		* / /	/ /	
D-5.15	Repair main chassis	NA 16-30ARC51-5	6315QA0		* / /	/ /	
D-5.16	A/D IF module	NA 16-30ARC51-5	6315QB0		* / /	/ /	
D-5.17	A/D modulator module	NA 16-30ARC51-5	6315QC0		* / /	/ /	
D-6	A/D receiver transmitter, RT-780()/ARC-51	NA 16-30ARC51-5	6315S00		* / /	/ /	
D-6A	Align/adjust receiver transmitter, RT-780()/ARC-51	NA 16-30ARC51-5	6315S00			* / /	
D-6.1	R&R module assemblies	NA 16-30ARC51-5	6315S00			* / /	
D-6.2	A/D first and second IF amplifier	NA 16-30ARC51-5	6315S10			* / /	
D-6.2A	Align/adjust first and second IF amplifier	NA 16-30ARC51-5	6315S10			/ /	* / /
D-6.3	A/D third IF amplifier	NA 16-30ARC51-5	6315S20			* / /	/ /
D-6.3A	Align/adjust third IF amplifier	NA 16-30ARC51-5	6315S20			/ /	* / /
D-6.4	A/D receiver pre-amplifier	NA 16-30ARC51-5	6315S30			* / /	/ /
D-6.4A	Align/adjust receiver pre-amplifier	NA 16-30ARC51-5	6315S30			/ /	* / /
D-6.5	A/D power amplifier	NA 16-30ARC51-5	6315S40			* / /	/ /
D-6.5A	Align/adjust power amplifier	NA 16-30ARC51-5	6315S40			/ /	* / /
D-6.6	A/D guard receiver	NA 16-30ARC51-5	6315S50			* / /	/ /
D-6.6A	Align/adjust guard receiver	NA 16-30ARC51-5	6315S50			/ /	* / /
D-6.7	A/D modulator and audio amplifier	NA 16-30ARC51-5	6315S60			* / /	/ /
D-6.7A	Align/adjust modulator and audio amplifier	NA 16-30ARC51-5	6315S60			/ /	* / /
D-6.8	A/D spectrum generator	NA 16-30ARC51-5	6315S70			* / /	/ /

DA B.17 Continued

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-6.9	Align/adjust spectrum generator	NA 16-30ARC51-5	6315S70		* / /	/ /	
D-6.10	R&R mechanical tuner	NA 16-30ARC51-5	6315S80		* / /	/ /	
D-6.11	A/D mechanical tuner	NA 16-30ARC51-5	6315S80		* / /	/ /	
D-6.12	Align/adjust mechanical tuner	NA 16-30ARC51-5	6315S80		* / /	/ /	
D-6.13	Repair mechanical tuner	NA 16-30ARC51-5	6315S80		* / /	/ /	
D-6.14	A/D power supply	NA 16-30ARC51-5	6315S90		* / /	/ /	
D-6.15	R&R main chassis	NA 16-30ARC51-5	6315SA0		* / /	/ /	
D-6.16	A/D main chassis	NA 16-30ARC51-5	6315SA0		* / /	/ /	
D-6.17	Repair main chassis	NA 16-30ARC51-5	6315SA0		* / /	/ /	
D-6.18	A/D IF module	NA 16-30ARC51-5	6315SB0		* / /	/ /	
D-6.19	A/D modulator module	NA 16-30ARC51-5	6315SC0		* / /	/ /	
D-6.20	R&R junction box assembly	NA 16-30ARC51-5	6315SD0		* / /	/ /	
D-7	R&R SWR indicator, ID-1003/ARC	NA 16-30ARC51-5	63Y1C		* / /	/ /	

B.18 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the HF radio set, AN/ARC-94/HF102, using appropriate maintenance procedures and support/test equipment. (CH-53, CH-46 A/C)

A Principles of operation							
A-1	Receiver transmitter, RT-648/ARC-94	NA 16-30ARC94-3	6118100		/ /	/ /	
A-2	Radio set control, C-3940/ARC-94	NA 16-30ARC94-3	61182		/ /	/ /	
A-3	Receiver transmitter, RT-698/ARC-102	NA 16-30ARC94-3	6118E00		/ /	/ /	
A-4	Antenna coupler 490T-1, CU-1669/GRC	NA 16-45-1153	61X1W00		/ /	/ /	
B Test and check							
B-1	Receiver transmitter, RT-648/ARC-94	NA 16-30ARC94-3	6118100		* / /	* / /	
B-2	Radio set control, C-3940/ARC-94	NA 16-30ARC94-3	61182		* / /	* / /	
B-3	Receiver transmitter, RT-698/ARC-102	NA 16-30ARC94-3	6118E00		* / /	* / /	
B-4	Antenna coupler 490T-1, CU-1669/GRC	NA 16-45-1153	61X1W00		* / /	* / /	
C Troubleshoot							
C-1	Receiver transmitter, RT-648/ARC-94	NA 16-30ARC94-3	6118100		* / /	* / /	
C-2	Radio set control, C-3940/ARC-94	NA 16-30ARC94-3	61182		* / /	* / /	
C-3	Receiver transmitter, RT-698/ARC-102	NA 16-30ARC94-3	6118E00		* / /	* / /	
C-4	Antenna coupler 490T-1, CU-1669/GRC	NA 16-45-1153	61X1W00		/ /	* / /	
D Intermediate maintenance							
D-1	A/D receiver transmitter, RT-648/ARC-94	NA 16-30ARC94-3	6118100		/ /	/ /	
D-1A	Align/adjust receiver transmitter, RT-648/ ARC-94	NA 16-30ARC94-3	6118100			/ /	* / /
D-1.1	R&R module assemblies	NA 16-30ARC94-3	6118100			/ /	/ /
D-1.2	A/D low voltage power supply	NA 16-30ARC94-3	6118110			/ /	/ /
D-1.3	Align/adjust low voltage power supply	NA 16-30ARC94-3	6118110			/ /	/ /
D-1.4	A/D RF oscillator	NA 16-30ARC94-3	6118120			/ /	/ /
D-1.5	Align/adjust RF oscillator	NA 16-30ARC94-3	6118120			/ /	/ /
D-1.6	A/D KC frequency stabilizer	NA 16-30ARC94-3	6118130			/ /	/ /
D-1.7	Align/adjust KC frequency stabilizer	NA 16-30ARC94-3	6118130			/ /	/ /
D-1.8	A/D MC frequency stabilizer	NA 16-30ARC94-3	6118140			/ /	/ /

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DA B.18 Continued

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-1.9	Align/adjust MC frequency stabilizer	NA 16-30ARC94-3	6118140		/ /	/ /	
D-1.10	A/D frequency divider	NA 16-30ARC94-3	6118150		/ /	/ /	
D-1.11	Align/adjust frequency divider	NA 16-30ARC94-3	6118150		/ /	/ /	
D-1.12	A/D AM/audio amplifier	NA 16-30ARC94-3	6118160		/ /	/ /	
D-1.13	Align/adjust AM/audio amplifier	NA 16-30ARC94-3	6118160		/ /	/ /	
D-1.14	A/D IF translator	NA 16-30ARC94-3	6118170		/ /	/ /	
D-1.15	Align/adjust IF translator	NA 16-30ARC94-3	6118170		/ /	/ /	
D-1.16	A/D electronic control amplifier	NA 16-30ARC94-3	6118180		/ /	/ /	
D-1.17	Align/adjust electronic control amplifier	NA 16-30ARC94-3	6118180		/ /	/ /	
D-1.18	A/D high voltage power supply	NA 16-30ARC94-3	6118190		/ /	/ /	
D-1.19	Align/adjust high voltage power supply	NA 16-30ARC94-3	6118190		/ /	/ /	
D-1.20	A/D power amplifier	NA 16-30ARC94-3	61181A0		/ /	/ /	
D-1.21	Align/adjust power amplifier	NA 16-30ARC94-3	61181A0		/ /	/ /	
D-1.22	A/D RF translator	NA 16-30ARC94-3	61181B0		/ /	/ /	
D-1.23	Align/adjust RF translator	NA 16-30ARC94-3	61181B0		/ /	/ /	
D-1.24	R&R main chassis	NA 16-30ARC94-3	61181C0		/ /	/ /	
D-1.25	A/D main chassis	NA 16-30ARC94-3	61181C0		/ /	/ /	
D-1.26	Align/adjust main chassis	NA 16-30ARC94-3	61181C0		/ /	/ /	
D-1.27	A/D high voltage power supply (ARC-102)	NA 16-30ARC94-3	61181D0		/ /	/ /	
D-1.28	Align/adjust high voltage power supply (ARC-102)	NA 16-30ARC94-3	61181D0		/ /	/ /	
D-2	A/D radio set control, C-3940/ARC-94	NA 16-30ARC94-3	61182		/ /	/ /	
D-2A	Align/adjust radio set control, C-3940/ ARC-94	NA 16-30ARC94-3	61182		/ /	* /	/
D-3	A/D receiver transmitter, RT-698/ARC-102	NA 16-30ARC94-3	6118E00		/ /	/ /	
D-3A	Align/adjust receiver transmitter, RT-698/ARC-102	NA 16-30ARC94-3	6118E00		/ /	* /	/
D-3.1	R&R module assemblies	NA 16-30ARC94-3	6118E00		/ /	/ /	
D-3.2	A/D low voltage power supply	NA 16-30ARC94-3	6118E10		/ /	/ /	
D-3.3	Align/adjust low voltage power supply	NA 16-30ARC94-3	6118E10		/ /	/ /	
D-3.4	R&R KC frequency stabilizer	NA 16-30ARC94-3	6118E30		/ /	/ /	
D-3.5	A/D KC frequency stabilizer	NA 16-30ARC94-3	6118E30		/ /	/ /	
D-3.6	Align/adjust KC frequency stabilizer	NA 16-30ARC94-3	6118E30		/ /	/ /	
D-3.7	A/D MC frequency divider	NA 16-30ARC94-3	6118E40		/ /	/ /	
D-3.8	Align/adjust MC frequency divider	NA 16-30ARC94-3	6118E40		/ /	/ /	
D-3.9	A/D AM/audio amplifier	NA 16-30ARC94-3	6118E60		/ /	/ /	
D-3.10	Align/adjust AM/audio amplifier	NA 16-30ARC94-3	6118E60		/ /	/ /	
D-3.11	A/D IF translator	NA 16-30ARC94-3	6118E70		/ /	/ /	
D-3.12	Align/adjust IF translator	NA 16-30ARC94-3	6118E70		/ /	/ /	
D-3.13	A/D electronic control amplifier	NA 16-30ARC94-3	6118E80		/ /	/ /	
D-3.14	Align/adjust electronic control amplifier	NA 16-30ARC94-3	6118E80		/ /	/ /	
D-3.15	A/D high voltage power supply	NA 16-30ARC94-3	6118E90		/ /	/ /	
D-3.16	Align/adjust high voltage power supply	NA 16-30ARC94-3	6118E90		/ /	/ /	
D-3.17	A/D power amplifier	NA 16-30ARC94-3	6118EA0		/ /	/ /	
D-3.18	Align/adjust power amplifier	NA 16-30ARC94-3	6118EA0		/ /	/ /	
D-3.19	A/D RF translator	NA 16-30ARC94-3	6118EB0		/ /	/ /	
D-3.20	Align/adjust RF translator	NA 16-30ARC94-3	6118EB0		/ /	/ /	

DA B.18 Continued

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-3.21	R&R main chassis	NA 16-30ARC94-3	6118EC0		/ /	/ /	
D-3.22	A/D main chassis	NA 16-30ARC94-3	6118EC0		/ /	/ /	
D-3.23	Align/adjust main chassis	NA 16-30ARC94-3	6118EC0		/ /	/ /	
D-3.24	A/D RF oscillator	NA 16-30ARC94-3	6118E20		/ /	/ /	
D-3.25	Align/adjust RF oscillator	NA 16-30ARC94-3	6118E20		/ /	/ /	
D-4	A/D antenna coupler 490T-1, CU-1669/GRC	NA 16-45-1153	61X1W00		/ /	/ /	
D-4A	Align/adjust antenna coupler 490T-1, CU-1669/GRC	NA 16-45-1153	61X1W00		/ /	*	/ /
D-4.1	R&R module assemblies	NA 16-45-1153	61X1W00		/ /	/ /	
D-4.2	A/D antenna coupler control A2	NA 16-45-1153	61X1W10		/ /	/ /	
D-4.3	Align/adjust antenna coupler control A2	NA 16-45-1153	61X1W10		/ /	/ /	
D-4.4	A/D electronic control amplifier A3	NA 16-45-1153	61X1W20		/ /	/ /	
D-4.5	Align/adjust electronic control amplifier A3	NA 16-45-1153	61X1W20		/ /	/ /	
D-4.6	A/D RF variable stepping coil A4	NA 16-45-1153	61X1W30		/ /	/ /	
D-4.7	Align/adjust RF variable stepping coil A4	NA 16-45-1153	61X1W30		/ /	/ /	
D-4.8	A/D RF shunt coil A5	NA 16-45-1153	61X1W40		/ /	/ /	
D-4.9	Align/adjust RF shunt coil A5	NA 16-45-1153	61X1W40		/ /	/ /	
D-4.10	A/D RF series coil A6	NA 16-45-1153	61X1W50		/ /	/ /	
D-4.11	Align/adjust RF series coil A6	NA 16-45-1153	61X1W50		/ /	/ /	
D-4.12	A/D capacitor tuning drive A7	NA 16-45-1153	61X1W60		/ /	/ /	
D-4.13	Align/adjust capacitor tuning drive A7	NA 16-45-1153	61X1W60		/ /	/ /	
D-4.14	A/D loading phasing discriminator A8	NA 16-45-1153	61X1W70		/ /	/ /	
D-4.15	Align/adjust loading phasing discriminator A8	NA 16-45-1153	61X1W70		/ /	/ /	
D-4.16	A/D rotary switch A9	NA 16-45-1153	61X1W80		/ /	/ /	
D-4.17	Align/adjust rotary switch A9	NA 16-45-1153	61X1W80		/ /	/ /	
D-4.18	A/D capacitor assembly A10	NA 16-45-1153	61X1W90		/ /	/ /	
D-4.19	Align/adjust capacitor assembly A10	NA 16-45-1153	61X1W90		/ /	/ /	
D-4.20	R&R chassis wiring assembly	NA 16-45-1153	61X1WA0		/ /	/ /	
D-4.21	A/D chassis wiring assembly	NA 16-45-1153	61X1WA0		/ /	/ /	

B.19 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the radio test set, AN/ARM-200, using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	Signal generator, SG-1298/ARM-200	NA 16-30ARM200-1	63BN300		/ /	/ /	
A-2	Test set controller, C-11807/ARM-200	NA 16-30ARM200-1	63BN200		/ /	/ /	
A-3	Test set adapter, MX-18308/ARM-200	NA 16-30ARM200-1	63BN600		/ /	/ /	
A-4	Test set adapter, MX-18309/ARM-200	NA 16-30ARM200-1	63BN700		/ /	/ /	
A-5	Test set adapter, MX-18310/ARM-200	NA 16-30ARM200-1	63BN800		/ /	/ /	
A-6	Test set adapter, MX-18312/ARM-200	NA 16-30ARM200-1	63BNB00		/ /	/ /	
A-7	Test set adapter, MX-18313/ARM-200	NA 16-30ARM200-1	63BNC00		/ /	/ /	
A-8	Test set adapter, MX-18314/ARM-200	NA 16-30ARM200-1	63BND00		/ /	/ /	
A-9	Interconnecting box, J-4525/ARM-25	NA 16-30ARM200-1	63BN400		/ /	/ /	

DA B.19 Continued

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B	Test and check						
B-1	Signal generator, SG-1298/ARM-200	NA 16-30ARM200-1	63BN300		/ /	/ /	
B-2	Terminal, ADM3E	NA 16-30ARM200-1	63BN5		/ /	/ /	
B-3	Test set controller, C-11807/ARM-200	NA 16-30ARM200-1	63BN200		/ /	/ /	
B-4	Test set adapter, MX-18308/ARM-200	NA 16-30ARM200-1	63BN600		/ /	/ /	
B-5	Test set adapter, MX-18309/ARM-200	NA 16-30ARM200-1	63BN700		/ /	/ /	
B-6	Test set adapter, MX-18310/ARM-200	NA 16-30ARM200-1	63BN800		/ /	/ /	
B-7	Test set adapter, MX-18312/ARM-200	NA 16-30ARM200-1	63BNB00		/ /	/ /	
B-8	Test set adapter, MX-18313/ARM-200	NA 16-30ARM200-1	63BNC00		/ /	/ /	
B-9	Test set adapter, MX-18314/ARM-200	NA 16-30ARM200-1	63BND00		/ /	/ /	
B-10	Interconnecting box, J-4525/ARM-25	NA 16-30ARM200-1	63BN400		/ /	/ /	
C	Troubleshoot						
C-1	Signal generator, SG-1298/ARM-200	NA 16-30ARM200-1	63BN300		/ /	/ /	
C-2	Test set controller, C-11807/ARM-200	NA 16-30ARM200-1	63BN200		/ /	/ /	
C-3	Test set adapter, MX-18308/ARM-200	NA 16-30ARM200-1	63BN600		/ /	/ /	
C-4	Test set adapter, MX-18309/ARM-200	NA 16-30ARM200-1	63BN700		/ /	/ /	
C-5	Test set adapter, MX-18310/ARM-200	NA 16-30ARM200-1	63BN800		/ /	/ /	
C-6	Test set adapter, MX-18312/ARM-200	NA 16-30ARM200-1	63BNB00		/ /	/ /	
C-7	Test set adapter, MX-18313/ARM-200	NA 16-30ARM200-1	63BNC00		/ /	/ /	
C-8	Test set adapter, MX-18314/ARM-200	NA 16-30ARM200-1	63BND00		/ /	/ /	
C-9	Interconnecting box, J-4525/ARM-25	NA 16-30ARM200-1	63BN400		/ /	/ /	
D	Intermediate maintenance						
D-1	R&R signal generator, SG-1298/ARM-200	NA 16-30ARM200-1	63BN300		/ /	/ /	
D-1A	A/D signal generator, SG-1298/ARM-200	NA 16-30ARM200-1	63BN300		/ /	/ /	
D-1B	Adjust/align signal generator, SG-1298/ARM-200	NA 16-30ARM200-1	63BN300			/ /	
D-2	R&R terminal, ADM3E	NA 16-30ARM200-1	63BN5			/ /	
D-3	R&R test set controller, C-11807/ARM-200	NA 16-30ARM200-1	63BN200			/ /	
D-3A	A/D test set controller, C-11807/ARM-200	NA 16-30ARM200-1	63BN200			/ /	
D-3B	Adjust/align test set controller, C-11807/ARM-200	NA 16-30ARM200-1	63BN200			/ /	
D-4	R&R test set adapter, MX-18308/ARM-200	NA 16-30ARM200-1	63BN600			/ /	
D-4A	A/D test set adapter, MX-18308/ARM-200	NA 16-30ARM200-1	63BN600			/ /	
D-4B	Adjust/align test set adapter, MX-18308/ARM-200	NA 16-30ARM200-1	63BN600			/ /	
D-5	R&R test set adapter, MX-18309/ARM-200	NA 16-30ARM200-1	63BN700			/ /	
D-5A	A/D test set adapter, MX-18309/ARM-200	NA 16-30ARM200-1	63BN700			/ /	
D-5B	Adjust/align test set adapter, MX-18309/ARM-200	NA 16-30ARM200-1	63BN700			/ /	
D-6	R&R test set adapter, MX-18310/ARM-200	NA 16-30ARM200-1	63BN800			/ /	
D-6A	A/D test set adapter, MX-18310/ARM-200	NA 16-30ARM200-1	63BN800			/ /	
D-6B	Adjust/align test set adapter, MX-18310/ARM-200	NA 16-30ARM200-1	63BN800			/ /	
D-7	R&R test set adapter, MX-18312/ARM-200	NA 16-30ARM200-1	63BNB00			/ /	
D-7A	A/D test set adapter, MX-18312/ARM-200	NA 16-30ARM200-1	63BNB00			/ /	
D-7B	Adjust/align test set adapter, MX-18312/ARM-200	NA 16-30ARM200-1	63BNB00			/ /	

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DA B.19 Continued

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-8	R&R test set adapter, MX-18313/ARM-200	NA 16-30ARM200-1	63BNC00		/ /	/ /	
D-8A	A/D test set adapter, MX-18313/ARM-200	NA 16-30ARM200-1	63BNC00		/ /	/ /	
D-8B	Adjust/align test set adapter, MX-18313/ARM-200	NA 16-30ARM200-1	63BNC00		/ /	/ /	
D-9	R&R test set adapter, MX-18314/ARM-200	NA 16-30ARM200-1	63BND00		/ /	/ /	
D-9A	A/D test set adapter, MX-18314/ARM-200	NA 16-30ARM200-1	63BND00		/ /	/ /	
D-9B	Adjust/align test set adapter, MX-18314/ARM-200	NA 16-30ARM200-1	63BND00		/ /	/ /	
D-10	R&R interconnecting box, J-4525/ARM-25	NA 16-30ARM200-1	63BN400		/ /	/ /	
D-10A	A/D interconnecting box, J-4525/ARM-25	NA 16-30ARM200-1	63BN400		/ /	/ /	
D-10B	Adjust/align interconnecting box, J-4525/ARM-25	NA 16-30ARM200-1	63BN400		/ /	/ /	

B.20 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the radio set, AN/PRC-90-(), using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	Radio set, AN/PRC-90-()	NA 16-30PRC90-2 NA 16-30PRC90-3 NA 16-30PRC90-4	66120		/ /	/ /	
B	Test and check						
B-1	Radio set, AN/PRC-90-()	NA 16-30PRC90-2 NA 16-30PRC90-3 NA 16-30PRC90-4	66120		/ /	* / /	
C	Troubleshoot						
C-1	Radio set, AN/PRC-90-()	NA 16-30PRC90-2 NA 16-30PRC90-3 NA 16-30PRC90-4	66120		/ /	* / /	
D	Intermediate maintenance						
D-1	A/D radio set, AN/PRC-90-()	NA 16-30PRC90-2 NA 16-30PRC90-3 NA 16-30PRC90-4	66120		/ /	* / /	
D-1.1	R&R antenna	NA 16-30PRC90-2 NA 16-30PRC90-3 NA 16-30PRC90-4	66121		/ /	/ /	
D-1.2	R&R circuit card assemblies	NA 16-30PRC90-2 NA 16-30PRC90-3 NA 16-30PRC90-4	6612200		/ /	* / /	

B.21 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the emergency radio, AN/PRT-5, using appropriate maintenance procedures and support/test equipment. (C-130 A/C)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Principles of operation						
A-1	Emergency radio, AN/PRT-5	NA 16-30PRT5-1	66150		/ /	/ /	
A-1.1	UHF antenna	NA 16-30PRT5-1	66151		/ /	/ /	
A-1.2	Electronics package assembly	NA 16-30PRT5-1	6615200		/ /	/ /	
A-1.3	Battery pack	NA 16-30PRT5-1	661553		/ /	/ /	
B	Test and check						
B-1	Emergency radio, AN/PRT-5	NA 16-30PRT5-1	66150		/ /	* / /	
B-1.1	UHF antenna	NA 16-30PRT5-1	66151		/ /	/ /	
B-1.2	Electronics package assembly	NA 16-30PRT5-1	6615200		/ /	/ /	
B-1.3	Battery pack	NA 16-30PRT5-1	661553		/ /	/ /	
C	Troubleshoot						
C-1	Emergency radio, AN/PRT-5	NA 16-30PRT5-1	66150		/ /	* / /	
C-1.1	Electronics package assembly	NA 16-30PRT5-1	6615200		/ /	/ /	
C-1.2	Battery pack	NA 16-30PRT5-1	661553		/ /	/ /	
D	Intermediate maintenance						
D-1	A/D emergency radio, AN/PRT-5	NA 16-30PRT5-1	66150		/ /	* / /	
D-1A	Align/adjust emergency radio, AN/PRT-5	NA 16-30PRT5-1	66150		/ /	* / /	
D-1.1	R&R UHF antenna	NA 16-30PRT5-1	66151		/ /	/ /	
D-1.2	R&R electronics package assembly	NA 16-30PRT5-1	6615200		/ /	/ /	
D-1.3	A/D electronics package assembly	NA 16-30PRT5-1	6615200		/ /	/ /	
D-1.4	Align/adjust electronics package assembly	NA 16-30PRT5-1	6615200		/ /	/ /	
D-1.4A	R&R HF antenna	NA 16-30PRT5-1	6615210		/ /	/ /	
D-1.4B	R&R circuit card assemblies	NA 16-30PRT5-1	6615220		/ /	/ /	
D-1.4C	A/D modulator circuit board	NA 16-30PRT5-1	6615220		/ /	/ /	
D-1.4D	Align/adjust modulator circuit board	NA 16-30PRT5-1	6615220		/ /	* / /	
D-1.4E	A/D UHF circuit board	NA 16-30PRT5-1	6615230		/ /	/ /	
D-1.4F	Align/adjust UHF circuit board	NA 16-30PRT5-1	6615230		/ /	* / /	
D-1.5	R&R battery pack	NA 16-30PRT5-1	661553		/ /	/ /	

B.22 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the radio beacon set, AN/URT-33, using appropriate maintenance procedures and support/test equipment.

A	Principles of operation					
A-1	Radio beacon set, AN/URT-33	NA 16-30URT33-1	66140		/ /	/ /
B	Test and check					
B-1	Radio beacon set, AN/URT-33	NA 16-30URT33-1	66140		/ /	* / /
C	Troubleshoot					
C-1	Radio beacon set, AN/URT-33	NA 16-30URT33-1	66140		/ /	* / /
D	Intermediate maintenance					
D-1	A/D radio beacon set, AN/URT-33	NA 16-30URT33-1	66140		/ /	/ /
D-1A	Align/adjust radio beacon set, AN/URT-33	NA 16-30URT33-1	66140		/ /	* / /
D-1.1	R&R flexible antenna	NA 16-30URT33-1	66141		/ /	/ /
D-1.2	R&R case assembly	NA 16-30URT33-1	66142		/ /	/ /
D-1.3	A/D case assembly	NA 16-30URT33-1	66142		/ /	/ /

DA B.22 Continued

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-1.4	R&R battery assembly	NA 16-30URT33-1	66143	/ /	/ /	/ /	
D-1.5	R&R RF and modulator board assembly	NA 16-30URT33-1	6614400	/ /	/ /	/ /	
D-1.6	A/D RF and modulator board assembly	NA 16-30URT33-1	6614400	/ /	/ /	/ /	
D-1.7	Align/adjust RF and modulator board assembly	NA 16-30URT33-1	6614400	/ /	*	/ /	
D-1.7A	R&R circuit card assembly	NA 16-30URT33-1	6614410	/ /	/ /	/ /	
D-1.7B	A/D RF circuit board	NA 16-30URT33-1	6614410	/ /	/ /	/ /	
D-1.7C	Align/adjust RF circuit board	NA 16-30URT33-1	6614410	/ /	/ /	/ /	
D-1.7D	A/D modulator board	NA 16-30URT33-1	6614420	/ /	/ /	/ /	
D-1.7E	Align/adjust modulator board	NA 16-30URT33-1	6614420	/ /	/ /	/ /	
D-1.8	R&R 8 section antenna	NA 16-30URT33-1	66145	/ /	/ /	/ /	

B.23 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the HF antenna coupler, CU-351()/AR, using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	Antenna coupler, CU-351()/AR	NA 16-35CU351-503	61X1200	/ /	/ /	/ /	
B	Test and check						
B-1	Antenna coupler, CU-351()/AR	NA 16-35CU351-503	61X1200	/ /	*	/ /	
C	Troubleshoot						
C-1	Antenna coupler, CU-351()/AR	NA 16-35CU351-503	61X1200	/ /	*	/ /	
D	Intermediate maintenance						
D-1	A/D antenna coupler, CU-351()/AR	NA 16-35CU351-503	61X1200	/ /	/ /	/ /	
D-1A	Align/adjust antenna coupler, CU-351()/AR	NA 16-35CU351-503	61X1200	/ /	*	/ /	
D-1.1	R&R module assemblies	NA 16-35CU351-503	61X1200	/ /	*	/ /	
D-1.2	A/D RF auto transformer	NA 16-35CU351-503	61X1210	/ /	/ /	/ /	
D-1.3	Align/adjust RF auto transformer	NA 16-35CU351-503	61X1210	/ /	/ /	/ /	
D-1.4	A/D discriminator	NA 16-35CU351-503	61X1220	/ /	/ /	/ /	
D-1.5	A/D variable inductor	NA 16-35CU351-503	61X1230	/ /	/ /	/ /	
D-1.6	Align/adjust variable inductor	NA 16-35CU351-503	61X1230	/ /	/ /	/ /	
D-1.7	A/D variable capacitor	NA 16-35CU351-503	61X1250	/ /	/ /	/ /	
D-1.8	Align/adjust variable capacitor	NA 16-35CU351-503	61X1250	/ /	/ /	/ /	
D-1.9	A/D chassis/panel	NA 16-35CU351-503	61X1260	/ /	/ /	/ /	

B.24 Demonstrates/applies knowledge of Principles of operation and performs applicable intermediate level maintenance on the VHF/UHF/AM/FM radio set, AN/ARC-210(V), using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	VHF/UHF/AM/FM radio set, AN/ARC-210(V)	NA 16-35RT1556-1		/ /	/ /	/ /	
A-1.1	Receiver transmitter, RT1556/ARC-210	NA 16-35RT1556-1	62X3K00	*	/ /	*	/ /
A-1.2	Control set, C-11898	NA 16-35C11998-1	62X3N00	*	/ /	*	/ /
A-1.3	Frequency indicator, ID-2428	NA 16-35ID2428-1	62X3P00	*	/ /	*	/ /
A-1.4	Digital converter, CV-4092()	NA 16-35CV4092-1		*	/ /	*	/ /

ITSS (MATMEP) 600 DIVISION (WC 610)

DA B.24 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B	Intermediate maintenance T, T/C, A/A, A/D						
B-1	VHF/UHF/AM/FM radio set, AN/ARC-210(V)	NA 16-35RT1556-1		/ /	/ /		
B-1.1	Receiver transmitter, RT1556/ARC-210	NA 16-35RT1556-1	62X3K00	*	/ /	*	/ /
B-1.2	Control set, C-11898	NA 16-35C11998-1	62X3N00	*	/ /	*	/ /
B-1.3	Frequency indicator, ID-2428	NA 16-35ID2428-1	62X3P00	*	/ /	*	/ /
B-1.4	Digital converter, CV-4092()	NA 16-35CV4092-1		*	/ /	*	/ /

ITSS (MATMEP) 600 DIVISION (WC 610)

APPENDIX A

INDIVIDUAL EXPERIENCE DATA SHEET

INDIVIDUAL DATA

UNIT EXPERIENCE DATA

NAME: _____

UNIT

SHOP

BILLET

FROM/TO DATES

SSN: _____

	UNIT	SHOP	BILLET	FROM/TO DATES

FORMAL SCHOOLS

SCHOOLS NAME DATE COMPLETED

COMMENTS:

APPENDIX C

WORK CENTER SUMMARY
AIRCRAFT COMMUNICATION SYSTEM TECHNICIAN (MOS 6412/6414)

WORK CENTER NAME/NUMBER: _____

NAME/MOS	LEVEL	B.13	B.14	B.15	B.16	B.17	B.18	B.19	B.20	B.21	B.22	B.23	B.24
	II			XXXX				XXXX	XXXX	XXXX	XXXX	XXXX	
	III							XXXX					
	IV												
	II			XXXX				XXXX	XXXX	XXXX	XXXX	XXXX	
	III							XXXX					
	IV												
	II			XXXX				XXXX	XXXX	XXXX	XXXX	XXXX	
	III							XXXX					
	IV												
	II			XXXX				XXXX	XXXX	XXXX	XXXX	XXXX	
	III							XXXX					
	IV												
	II			XXXX				XXXX	XXXX	XXXX	XXXX	XXXX	
	III							XXXX					
	IV												
	II			XXXX				XXXX	XXXX	XXXX	XXXX	XXXX	
	III							XXXX					
	IV												
	II			XXXX				XXXX	XXXX	XXXX	XXXX	XXXX	
	III							XXXX					
	IV												
	II			XXXX				XXXX	XXXX	XXXX	XXXX	XXXX	
	III							XXXX					
	IV												
	II			XXXX				XXXX	XXXX	XXXX	XXXX	XXXX	
	III							XXXX					
	IV												
	II			XXXX				XXXX	XXXX	XXXX	XXXX	XXXX	
	III							XXXX					
	IV												
	II			XXXX				XXXX	XXXX	XXXX	XXXX	XXXX	
	III							XXXX					
	IV												
	II			XXXX				XXXX	XXXX	XXXX	XXXX	XXXX	
	III							XXXX					
	IV												

