

DUTY AREA  
RADAR TEST STATION/RADAR SYSTEMS TEST TECHNICIAN (MOS 6463/6469)

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 work center.
3. Demonstrates/applies knowledge of applicable publications, diagrams, sketches, and drawings.
4. 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 APG-65 radar transmitter using appropriate maintenance procedures and support/test equipment.
5. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the APG-65 Receiver/Exciter using appropriate maintenance procedures and support/test equipment.
6. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the APG-65 Radar Target Data Processor (RTDP) using appropriate maintenance procedures and support/test equipment.
7. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the APG-65 computer power supply using appropriate maintenance procedures and support/test equipment.
8. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the APG-65 antenna using appropriate maintenance procedures and support/test equipment.
9. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the transmitter interface device using appropriate maintenance procedures and support/test equipment.
10. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the Receiver/Exciter interface device using appropriate maintenance procedures and support/test equipment.
11. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the radar target data processor interface device using appropriate maintenance procedures and support/test equipment.
12. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the computer power supply interface device using appropriate maintenance procedures and support/test equipment.
13. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the antenna interface device using appropriate maintenance procedures and support/test equipment.
14. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the servo interface device using appropriate maintenance procedures and support/test equipment.
15. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the transmitter SRA interface device using appropriate maintenance procedures and support/test equipment.
16. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the RF/IF interface device using appropriate maintenance procedures and support/test equipment.
17. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the power converter interface device using appropriate maintenance procedures and support/test equipment.
18. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the Servo-DAGC/VFO interface device using appropriate maintenance procedures and support/test equipment.
19. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the A/D signal processor SRA interface device 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 regulator SRA interface device using appropriate maintenance procedures and support/test equipment.
21. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the transmitter controller SRA interface device using appropriate maintenance procedures and support/test equipment.
22. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the self-test panel interface device using appropriate maintenance procedures and support/test equipment.
23. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the self-certification panel interface device using appropriate maintenance procedures and support/test equipment.
24. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the Radar Set Test Station (RSTS), (AN/APM-446) 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  
RADAR TEST STATION/RADAR SYSTEMS TEST TECHNICIAN (MOS 6463/6469)

NAME/SSN \_\_\_\_\_

GRANTED MOS 6463/6469 \_\_\_\_\_ /  
 GRANTED MOS 6463/6469 \_\_\_\_\_ /  
 GRANTED MOS 6463/6469 \_\_\_\_\_ /

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	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
A.1	SUPPORT/SPECIAL EQUIPMENT	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/
A.2	SAFETY PRECAUTIONS AND PROCEDURES AROUND THE WORKCENTER	/	/	/	/
A.3	PUBLICATIONS, DIAGRAMS, SKETCHES, AND DRAWINGS	/	XXXXXXXXXXXXXXXXXXXX	/	/
A.4	PRECISION MEASURING EQUIPMENT	XXXXXXXXXXXXXXXXXXXX	/	/	/
B	SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
B.1	REQUIRED SCHEDULED/UNSCHEDULED INSPECTIONS	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.2	TECHNICAL DIRECTIVES CHANGES/BULLETINS	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.3	CORROSION CONTROL	/	/	/	/
B.4	APG-65 RADAR TRANSMITTER	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.5	APG-65 RECEIVER/EXCITER	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.6	APG-65 RADAR TARGET DATA PROCESSOR (RTDP)	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.7	APG-65 COMPUTER POWER SUPPLY	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.8	APG-65 ANTENNA	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.9	TRANSMITTER INTERFACE DEVICE	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.10	RECEIVER/EXCITER INTERFACE DEVICE	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.11	RADAR TARGET DATA PROCESSOR INTERFACE DEVICE	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.12	COMPUTER POWER SUPPLY INTERFACE DEVICE	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.13	ANTENNA INTERFACE DEVICE	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.14	SERVO INTERFACE DEVICE	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.15	TRANSMITTER SRA INTERFACE DEVICE	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.16	RF/IF INTERFACE DEVICE	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.17	POWER CONVERTER INTERFACE DEVICE	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.18	SERVO-DAGC/VFO INTERFACE DEVICE	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.19	A/D SIGNAL PROCESSOR SRA INTERFACE DEVICE	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.20	REGULATOR SRA INTERFACE DEVICE	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.21	TRANSMITTER CONTROLLER SRA INTERFACE DEVICE	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/
B.22	SELF TEST PANEL INTERFACE DEVICE	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.23	SELF CERTIFICATION PANEL INTERFACE DEVICE	XXXXXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXXXXX	/
B.24	RADAR SET TEST STAION (RSTS), AN/APM-446	XXXXXXXXXXXXXXXXXXXX	/	/	/

INDIVIDUAL QUALIFICATION RECORD  
RADAR TEST STATION/RADAR SYSTEMS TEST TECHNICIAN (MOS 6463/6469)

**A. GENERAL, OPERATING AND SAFETY DUTIES**

A.1 Operates and maintains applicable shop support/special equipment.

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	NOT APPLICABLE					

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

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 Local Maint Instr	*	* / /	* / /	
A-3	Safety procedures near electricity	OSHA 29 CFR 1910 NAVAIR A1-NAOSH- SAF-000/P5100-1 Local Maint Instr	*	* / /	* / /	
A-4	Personal protective equipment, (Safety/flight boots, clothing, hearing/eye protection, etc.)	OSHA 29 CFR 1910 NAVAIR A1-NAOSH- SAF-000/P5100-1	*	* / /	* / /	
B	Shop emergency procedures					
B-1	Types of fire extinguishers	OSHA 29 CFR 1910 NAVAIR A1-NAOSH- SAF-000/P5100-1	*	/ /	* / /	
B-2	Emergency egress procedures	OSHA 29 CFR 1910 NAVAIR A1-NAOSH- SAF-000/P5100-1		/ /	* / /	
B-3	Firefighting			/ /	* / /	
C	Electro-Magnetic Interference (EMI), Electrical Static Discharge (ESD), & Electro-Magnetic Compatibility (EMC)	OPNAVINST 4790.2 Local Maint Instr		ESD* / /	* / /	
D	Emergency Reclamation	OPNAVINT 4790.2 NA 01-1A-509 NA 16-1-540 Local Maint Instr		/ /	* / /	
E	NAMDRP	OPNAVINST 4790.2 Local Maint Instr		/ /	* / /	

A.3 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	OPNAVINST 4790.2		/ /	* / /	
B	Avionics Cleaning & Corrosion Control Manual	NA 01-1A-509		/ /	/ /	
C	Avionics Corrosion Control Manual	NA 16-1-540		/ /	* / /	
D	Support Equipment Corrosion Control Manual	NA 17-1-125		/ /	/ /	
E	Occupational Safety & Health Administration Manual	OSHA 29 CFR 1910		/ /	* / /	
F	Work Unit Code Support Equipment			/ /	/ /	

A.4 Performs tasks using applicable precision measuring equipment.

A	Operates multi-meter	NA 01-1A-505	*	/ /	* / /	
B	Operates time domain reflectometer test set	NA 01-1A-505		/ /	* / /	
C	Operates storage scope/oscilloscope	Manufacturer's Pub	*	/ /	* / /	
D	Operates logic analyzer	Manufacturer's Pub		/ /	* / /	
E	Operates bus analyzer	Manufacturer's Pub		/ /	* / /	
F	Operates LCR meter	Manufacturer's Pub		/ /	* / /	
G	Operates CRT analyzer	Manufacturer's Pub		/ /	* / /	

INDIVIDUAL QUALIFICATION RECORD  
RADAR TEST STATION/RADAR SYSTEMS TEST TECHNICIAN (MOS 6463/6469)

**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	Periodic maintenance requirement cards	AG-108AC-MRC-200		*	/ /	*	/ /

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 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			* / /	*	/ /	
D	Performs corrosion prevention during all maintenance actions	NA 17-1-125			/ /	*	/ /	

B.4 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the APG-65 Radar Transmitter using appropriate maintenance procedures and support/test equipment.

A	Principles of operation							
A-1	APG-65 radar transmitter	AW-640LO-740-050	742G100		/ /	*	/ /	
B	Test and check							
B-1	APG-65 radar transmitter				* / /		/ /	
B-1.1	Power converter (1A5)	AW-640LO-740-050	742G150		* / /	*	/ /	
B-1.2	Control electronics (1A6)	AW-640LO-740-050	742G160		* / /	*	/ /	
B-1.3	Electronic microwave processor (1A7)	AW-640LO-740-050	742G170		* / /	*	/ /	
B-1.4	Switch regulator (1A8)	AW-640LO-740-050	742G180		* / /	*	/ /	
B-1.5	Transmitter controller (1A9)	AW-640LO-740-050	742G190		/ /	*	/ /	
C	Troubleshooting							
C-1	APG-65 radar transmitter				* / /		/ /	
C-1.1	Power converter (1A5)	AW-640LO-740-050	742G150		* / /	*	/ /	
C-1.2	Control electronics (1A6)	AW-640LO-740-050	742G160		* / /	*	/ /	
C-1.3	Electronic microwave processor (1A7)	AW-640LO-740-050	742G170		* / /	*	/ /	
C-1.4	Switch regulator (1A8)	AW-640LO-740-050	742G180		* / /	*	/ /	
C-1.5	Transmitter controller (1A9)	AW-640LO-740-050	742G190		/ /	*	/ /	
D	Intermediate maintenance							
D-1	Repair APG-65 radar transmitter	AW-640LO-740-050	742G100		* / /	*	/ /	
D-2	Purge and fill APG-65 radar transmitter	AW-640LO-740-050	742G100		* / /	*	/ /	
D-3	Pressure/vacuum test transmitter with PRT tester	AW-640LO-740-050	742G100		* / /	*	/ /	

DA B.4 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-4	R&R high voltage power supply (1A2)	AW-640LO-740-050	742G120		*	/	/
D-5	Microwave processor (1A3)	AW-640LO-740-050	742G130		*	/	/
D-5.1	R&R microwave processor	AW-640LO-740-050	742G130		*	/	/
D-5.2	R&R multipactor (1A3A1)	AW-640LO-740-050	742G131		/	/	*
D-5.3	R&R attenuator (1A3AT2)	AW-640LO-740-050			/	/	*
D-5.4	R&R duplexer (1A3HY1)	AW-640LO-740-050			/	/	*
D-5.5	R&R waveguide switch (1A351)	AW-640LO-740-050	742G132		/	/	*
D-6	Repair microwave processor	AW-640LO-740-050	742G130		/	/	*
D-7	R&R electron tube and arc detector (1A4)	AW-640LO-740-050	742G140		*	/	/
D-8	Power converter (1A5)				/	/	/
D-8.1	R&R power converter (1A5)	AW-640LO-740-050	742G150		*	/	*
D-8.2	A/D power converter (1A5)				/	/	/
D-8.2A	R&R power converter sub-assembly	AW-640LO-740-050	742G151		*	/	*
D-8.2B	R&R converter	AW-640LO-740-050	742G152		*	/	*
D-8.2C	R&R bias converter power supply	AW-640LO-740-050	742G153		*	/	*
D-8.2D	R&R bridge converter power supply	AW-640LO-740-050	742G154		*	/	*
D-9	Repair power converter (1A5)	AW-640LO-740-050	742G150		*	/	*
D-10	R&R control electronics (1A6)	AW-640LO-740-050	742G160		*	/	*
D-11	Repair control electronics (1A6)	AW-640LO-740-050	742G160		*	/	*
D-12	R&R electronic microwave processor (1A7)	AW-640LO-740-050	742G170		*	/	*
D-13	Repair electronic microwave processor (1A7)	AW-640LO-740-050	742G170		*	/	*
D-14	Switch regulator (1A8)				/	/	/
D-14.1	R&R switch regulator (1A8)	AW-640LO-740-050	742G180		*	/	*
D-14.2	Repair switch regulator (1A8)	AW-640LO-740-050	742G180		*	/	/
D-15	R&R transmitter controller (1A9)	AW-640LO-740-050	742G190		*	/	*
D-16	Repair transmitter controller (1A9)	AW-640LO-740-050	742G190		/	/	*

B.5 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the **APG-65 Receiver/Exciter** using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	APG-65 receiver/exciter	AW-640LO-740-010	742G200		*	/	/
B	Test and check						
B-1	APG-65 receiver/exciter	AW-640LO-740-010	742G200		*	/	/
B-2	RF electronics (2A2)	AW-640LO-740-010	742G220		*	/	*
B-3	IF electronics (2A3)	AW-640LO-740-010	742G230		*	/	*
B-4	Power and control (2A4)	AW-640LO-740-010	742G240		*	/	*
B-5	Transmitter drive generator (2A5)	AW-640LO-740-010	742G250		*	/	*
B-6	Load oscillator generator (2A6)	AW-640LO-740-010	742G260		*	/	*
B-7	Reference oscillator (2A7)	AW-640LO-740-010	742G270		*	/	*
B-8	DAGC/VFO (2A8)	AW-640LO-740-010	742G280		*	/	*
B-9	IQ/AD (2A9)	AW-640LO-740-010	742G290		*	/	*
B-10	Digital (2A10)	AW-640LO-740-010	742G2A0		*	/	*
B-11	Linear regulator (2A11)	AW-640LO-740-010	742G2B0		*	/	*
C	Troubleshoot						
C-1	APG-65 receiver/exciter	AW-640LO-740-010	742G200		*	/	*
C-2	RF electronics (2A2)	AW-640LO-740-010	742G220		/	/	*

DA B.5 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C-3	IF electronics (2A3)	AW-640LO-740-010	742G230		/ /	* / /	
C-4	Power and control (2A4)	AW-640LO-740-010	742G240		/ /	* / /	
C-5	Transmitter drive generator (2A5)	AW-640LO-740-010	742G250		/ /	* / /	
C-6	Load oscillator generator (2A6)	AW-640LO-740-010	742G260		/ /	* / /	
C-7	Reference oscillator (2A7)	AW-640LO-740-010	742G270		/ /	* / /	
C-8	DAGC/VFO (2A8)	AW-640LO-740-010	742G280		/ /	* / /	
C-9	IQ/AD (2A9)	AW-640LO-740-010	742G290		/ /	* / /	
C-10	Digital (2A10)	AW-640LO-740-010	742G2A0		/ /	* / /	
C-11	Linear regulator (2A11)	AW-640LO-740-010	742G2B0		/ /	* / /	
D	Intermediate maintenance						
D-1	APG-65 receiver/exciter				/ /	/ /	
D-1.1	Repair APG-65 receiver/exciter	AW-640LO-740-010	742G200	*	/ /	* / /	
D-1.2	Align APG-65 receiver/exciter	AW-640LO-740-010	742G200	*	/ /	* / /	
D-2	R&R filter assembly	AW-640LO-740-010	742G210	*	/ /	* / /	
D-3	RF electronics				/ /	/ /	
D-3.1	R&R RF electronics (2A2)	AW-640LO-740-010	742G220	*	/ /	* / /	
D-3.2	Repair RF electronics (2A2)	AW-640LO-740-010	742G220		/ /	* / /	
D-3.3	Align RF electronics (2A2)	AW-640LO-740-010	742G220		/ /	* / /	
D-4	R&R waveguide to coax adaptor	AW-640LO-740-010	742G221		/ /	* / /	
D-5	R&R FET low noise amplifier	AW-640LO-740-010	742G222		/ /	* / /	
D-6	R&R RF detector	AW-640LO-740-010	742G227		/ /	* / /	
D-7	IF electronics				/ /	/ /	
D-7.1	R&R IF electronics (2A3)	AW-640LO-740-010	742G230	*	/ /	* / /	
D-7.2	Repair IF electronics (2A3)	AW-640LO-740-010	742G230	*	/ /	* / /	
D-7.3	Align IF electronics (2A2)	AW-640LO-740-010	742G230	*	/ /	* / /	
D-8	Power and control				/ /	/ /	
D-8.1	R&R power and control (2A4)	AW-640LO-740-010	742G240	*	/ /	* / /	
D-8.2	Repair power and control (2A4)	AW-640LO-740-010	742G240	*	/ /	* / /	
D-8.3	Align power and control (2A4)	AW-640LO-740-010	742G240	*	/ /	* / /	
D-9	Transmitter drive generator				/ /	/ /	
D-9.1	R&R transmitter drive generator (2A5)	AW-640LO-740-010	742G250	*	/ /	* / /	
D-9.2	Repair transmitter drive generator (2A5)	AW-640LO-740-010	742G250		/ /	* / /	
D-9.3	Align transmitter drive generator (2A5)	AW-640LO-740-010	742G250		/ /	* / /	
D-10	Local oscillator generator				/ /	/ /	
D-10.1	R&R local oscillator generator (2A6)	AW-640LO-740-010	742G260	*	/ /	* / /	
D-10.2	Repair local oscillator generator (2A6)	AW-640LO-740-010	742G260		/ /	* / /	
D-10.3	Align local oscillator generator (2A6)	AW-640LO-740-010	742G260		/ /	* / /	
D-11	R&R reference oscillator (2A7)	AW-640LO-740-010	742G270	*	/ /	* / /	
D-12	Repair reference oscillator (2A7)	AW-640LO-740-010	742G270		/ /	* / /	
D-13	Align reference oscillator (2A7)	AW-640LO-740-010	742G270	*	/ /	* / /	
D-14	R&R DAGC/VFO (2A8)	AW-640LO-740-010	742G280	*	/ /	* / /	
D-15	Repair DAGC/VFO (2A8)	AW-640LO-740-010	742G280		/ /	* / /	
D-16	R&R IQ/AD (2A9)	AW-640LO-740-010	742G290	*	/ /	* / /	
D-17	Repair IQ/AD (2A9)	AW-640LO-740-010	742G290		/ /	* / /	
D-18	R&R digital (2A10)	AW-640LO-740-010	742G2A0	*	/ /	* / /	
D-19	Repair digital (2A10)	AW-640LO-740-010	742G2A0	*	/ /	* / /	
D-20	R&R linear regulator (2A11)	AW-640LO-740-010	742G2B0	*	/ /	* / /	
D-21	Repair linear regulator (2A11)	AW-640LO-740-010	742G2B0		/ /	* / /	

## ITSS (MATMEP) 600 DIVISION (WC 630)

- B.6 Demonstrates/applies knowledge of Principles of operation and performs applicable intermediate level maintenance on the **APG-65 Radar Target Data Processor (RTDP)** 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	APG-65 radar target data processor	AW-640LO-740-130 AW-640LO-740-140 AW-640LO-740-150	742G300		*	/ /	*
B	Test and check						
B-1	APG-65 radar target data processor	AW-640LO-740-130 AW-640LO-740-140 AW-640LO-740-150	742G300		*	/ /	*
B-2	Linear regulator (4A21)	AW-640LO-740-130 AW-640LO-740-140 AW-640LO-740-150	742G3M0		*	/ /	*
B-3	DC/DC converter	AW-640LO-740-130 AW-640LO-740-140 AW-640LO-740-150	742G3N0			/ /	*
C	Troubleshoot						
C-1	APG-65 radar target data processor	AW-640LO-740-130 AW-640LO-740-140 AW-640LO-740-150	742G300		*	/ /	*
C-2	Linear regulator (4A21)	AW-640LO-740-130 AW-640LO-740-140 AW-640LO-740-150	742G3M0			/ /	*
C-3	DC/DC converter	AW-640LO-740-130 AW-640LO-740-140 AW-640LO-740-150	742G3N0			/ /	*
D	Intermediate maintenance						
D-1	Repair radar data target processor	AW-640LO-740-130 AW-640LO-740-140 AW-640LO-740-150	742G300		*	/ /	*
D-2	R&R circuit cards	AW-640LO-740-130	742G300		*	/ /	*
D-3	R&R linear regulator (4A21)	AW-640LO-740-130 AW-640LO-740-140 AW-640LO-740-150	742G3M0		*	/ /	*
D-4	Repair linear regulator (4A21)	AW-640LO-740-130 AW-640LO-740-140 AW-640LO-740-150	742G3M0			/ /	*
D-5	R&R DC/DC converter (4A22)	AW-640LO-740-130 AW-640LO-740-140 AW-640LO-740-150	742G3N0		*	/ /	*
D-6	A/D DC/DC converter (4A22)	AW-640LO-740-130 AW-640LO-740-140 AW-640LO-740-150	742G3N0			/ /	*
D-7	Repair DC/DC converter (4A22)	AW-640LO-740-130 AW-640LO-740-140 AW-640LO-740-150	742G3N0			/ /	*

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B.7 Demonstrates/applies knowledge of Principles of operation and performs applicable intermediate level maintenance on the **APG-65 computer power supply** 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	APG-65 computer power supply	AW-640LO-740-100 AW-640LO-740-110	742G400		*	/	/
B	Test and check						
B-1	APG-65 computer power supply	AW-640LO-740-100 AW-640LO-740-110	742G400		*	/	/
B-2	DC/DC converter (7A1)	AW-640LO-740-100 AW-640LO-740-110	742G410		/	/	/
B-3	Low voltage power supply regulator (7A2)	AW-640LO-740-100 AW-640LO-740-110	742G420		/	/	/
C	Troubleshoot						
C-1	APG-65 computer power supply	AW-640LO-740-100 AW-640LO-740-110	742G400		*	/	/
C-2	DC/DC converter (7A1)	AW-640LO-740-100 AW-640LO-740-110	742G410		/	/	/
C-3	Low voltage power supply regulator (7A2)	AW-640LO-740-100 AW-640LO-740-110	742G420		/	/	/
D	Intermediate maintenance						
D-1	Repair computer power supply	AW-640LO-740-100 AW-640LO-740-110	742G400		*	/	/
D-2	R&R circuit cards	AW-640LO-740-100 AW-640LO-740-110	742G400		*	/	/
D-3	R&R DC converter (7A1)	AW-640LO-740-100 AW-640LO-740-110	742G410		*	/	/
D-4	A/D DC/DC converter (7A1)	AW-640LO-740-100 AW-640LO-740-110	742G410		/	/	/
D-5	Repair DC/DC converter (7A1)	AW-640LO-740-100 AW-640LO-740-110	742G410		/	/	/
D-6	R&R low voltage power supply converter (7A2)	AW-640LO-740-100 AW-640LO-740-110	742G420		*	/	/
D-7	Repair low voltage power supply regulator (7A2)	AW-640LO-740-100 AW-640LO-740-110	742G420		/	/	/
D-8	R&R disk memory/memory controller	AW-640LO-740-100 AW-640LO-740-110	742G490		*	/	/

B.8 Demonstrates/applies knowledge of Principles of operation and performs applicable intermediate level maintenance on the **APG-65 antenna** using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	APG-65 antenna	AW-640LO-740-030	742G600		*	/	/
B	Test and check						
B-1	APG-65 antenna	AW-640LO-740-030	742G600		*	/	/
B-2	Servo electronics (3A1)	AW-640LO-740-040	742G6A0		*	/	/
B-3	Medium power driver (3A1A2)	AW-640LO-740-040	742G6A2		*	/	/
B-4	Low power drive (3A1A3)	AW-640LO-740-040	742G6A3		*	/	/

DA B.8 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C	Troubleshoot						
C-1	APG-65 antenna	AW-640LO-740-030	742G600	*	/ /	*	/ /
C-2	Servo electronics (3A1)	AW-640LO-740-040	742G6A0	*	/ /	*	/ /
C-3	Medium power driver (3A1A2)	AW-640LO-740-040	742G6A2	*	/ /	*	/ /
C-4	Low power driver (3A1A3)	AW-640LO-740-040	742G6A3	*	/ /	*	/ /
D	Intermediate maintenance						
D-1	Antenna				/ /	/ /	
D-1.1	Repair antenna	AW-640LO-740-030	742G600	*	/ /	*	/ /
D-1.2	Align antenna	AW-640LO-740-030	742G600	*	/ /	*	/ /
D-1.3	Pressure test antenna with PRT	AW-640LO-740-030	742G600	*	/ /	*	/ /
D-2	Gimble assembly				/ /	/ /	
D-2.1	R&R gimble assembly	AW-640LO-740-030	742G610		/ /	*	/ /
D-2.2	R&R bore sight assembly	AW-640LO-740-030	742G611		/ /	*	/ /
D-2.3	R&R elevation torque motor SUM	AW-640LO-740-030	742G612	*	/ /	*	/ /
D-2.4	R&R azimuth torque motor	AW-640LO-740-030	742G613		/ /	*	/ /
D-2.5	R&R elevation torque motor DIFF	AW-640LO-740-030	742G614	*	/ /	*	/ /
D-2.6	R&R gimble sub-assembly	AW-640LO-740-030	742G615		/ /	*	/ /
D-2.7	R&R base assembly	AW-640LO-740-030	742G616		/ /	*	/ /
D-2.8	R&R elevation RF rotary coupler	AW-640LO-740-030	742G620	*	/ /	*	/ /
D-2.9	R&R azimuth RF rotary coupler	AW-640LO-740-030	742G630	*	/ /	*	/ /
D-2.10	R&R integrating gyros	AW-640LO-740-030	742G640	*	/ /	*	/ /
D-3	Array assembly				/ /	/ /	
D-3.1	R&R array assembly	AW-640LO-740-030	742G690	*	/ /	*	/ /
D-3.2	R&R diode null horn switch	AW-640LO-740-030	742G692		/ /	*	/ /
D-3.3	R&R waveguide mapping switch	AW-640LO-740-030	742G693		/ /	*	/ /
D-3.4	R&R network array feed waveguide assembly	AW-640LO-740-030	742G694		/ /	*	/ /
D-3.5	R&R connector housing assembly	AW-640LO-740-030	742G695		/ /	*	/ /
D-3.6	Repair array Mylar	AW-640LO-740-030	742G690		/ /	*	/ /
D-4	Servo electronics				/ /	/ /	
D-4.1	R&R servo electronics (3A1)	AW-640LO-740-040	742G6A0	*	/ /	*	/ /
D-4.2	R&R high power driver (3A1A1)	AW-640LO-740-040	742G6A1	*	/ /	*	/ /
D-4.3	R&R medium power driver (3A1A2)	AW-640LO-740-040	742G6A2	*	/ /	*	/ /
D-4.4	Repair medium power driver (3A1A2)	AW-640LO-740-040	742G6A2		/ /	*	/ /
D-4.5	R&R low power driver (3A1A3)	AW-640LO-740-040	742G6A2	*	/ /	*	/ /
D-4.6	Repair low power driver (3A1A3)	AW-640LO-740-040	742G6A3		/ /	*	/ /
D-4.7	R&R motor amplifier	AW-640LO-740-040	742G6A4	*	/ /	*	/ /

B.9 Demonstrates/applies knowledge of Principles of operation and performs applicable intermediate level maintenance on the transmitter interface device using appropriate maintenance procedures and support/test equipment.

A	Principles of operation	NA 16-35APM446-1	74PX1	*	/ /	/ /	
B	Test and check	NA 16-35APM446-1	74PX1	*	/ /	/ /	
C	Troubleshooting	NA 16-35APM446-1	74PX1	*	/ /	/ /	
D	Intermediate maintenance	NA 16-35APM446-1	74PX1	*	/ /	/ /	

B.10 Demonstrates/applies knowledge of Principles of operation and performs applicable intermediate level maintenance on the Receiver/Exciter interface device 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	NA 16-35APM446-2	74PX4		*	/ /	/ /
B	Test and check	NA 16-35APM446-2	74PX4		*	/ /	/ /
C	Troubleshooting	NA 16-35APM446-2	74PX4		*	/ /	/ /
D	Intermediate maintenance	NA 16-35APM446-2	74PX4		*	/ /	/ /

B.11 Demonstrates/applies knowledge of Principles of operation and performs applicable intermediate level maintenance on the radar target data processor interface device using appropriate maintenance procedures and support/test equipment.

A	Principles of operation	NA 16-35APM446-5	74PxE		*	/ /	/ /
B	Test and check	NA 16-35APM446-5	74PXE		*	/ /	/ /
C	Troubleshooting	NA 16-35APM446-5	74PXE		*	/ /	/ /
D	Intermediate maintenance	NA 16-35APM446-5	74PXE		*	/ /	/ /

B.12 Demonstrates/applies knowledge of Principles of operation and performs applicable intermediate level maintenance on the computer power supply interface device using appropriate maintenance procedures and support/test equipment.

A	Principles of operation	NA 16-35APM446-6	74PXH		*	/ /	/ /
B	Test and check	NA 16-35APM446-6	74PXH		*	/ /	/ /
C	Troubleshooting	NA 16-35APM446-6	74PXH		*	/ /	/ /
D	Intermediate maintenance	NA 16-35APM446-6	74PXH		*	/ /	/ /

B.13 Demonstrates/applies knowledge of Principles of operation and performs applicable intermediate level maintenance on the antenna interface device using appropriate maintenance procedures and support/test equipment.

A	Principles of operation	NA 16-35APM446-3	74PX7		*	/ /	/ /
B	Test and check	NA 16-35APM446-3	74PX7		*	/ /	/ /
C	Troubleshooting	NA 16-35APM446-3	74PX7		*	/ /	/ /
D	Intermediate maintenance	NA 16-35APM446-3	74PX7		*	/ /	/ /

B.14 Demonstrates/applies knowledge of Principles of operation and performs applicable intermediate level maintenance on the servo interface device using appropriate maintenance procedures and support/test equipment.

A	Principles of operation	NA 16-35APM446-4	74PXB		*	/ /	/ /
B	Test and check	NA 16-35APM446-4	74PXB		*	/ /	/ /
C	Troubleshooting	NA 16-35APM446-4	74PXB		*	/ /	/ /
D	Intermediate maintenance	NA 16-35APM446-4	74PXB		*	/ /	/ /

B.15 Demonstrates/applies knowledge of Principles of operation and performs applicable intermediate level maintenance on the transmitter SRA interface device 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	NA 16-35APM446-5-1	74PXL		*	/ /	/ /
B	Test and check	NA 16-35APM446-5-1	74PXL		*	/ /	/ /
C	Troubleshooting	NA 16-35APM446-5-1	74PXL		*	/ /	/ /
D	Intermediate maintenance	NA 16-35APM446-5-1	74PXL		*	/ /	/ /

B.16 Demonstrates/applies knowledge of Principles of operation and performs applicable intermediate level maintenance on the RF/IF interface device using appropriate maintenance procedures and support/test equipment.

A	Principles of operation	NA 16-35APM446-5-2	74PXR		*	/ /	/ /
B	Test and check	NA 16-35APM446-5-2	74PXR		*	/ /	/ /
C	Troubleshooting	NA 16-35APM446-5-2	74PXR		*	/ /	/ /
D	Intermediate maintenance	NA 16-35APM446-5-2	74PXR		*	/ /	/ /

B.17 Demonstrates/applies knowledge of Principles of operation and performs applicable intermediate level maintenance on the power converter interface device using appropriate maintenance procedures and support/test equipment.

A	Principles of operation	NA 16-35APM446-5-3	74PXU		*	/ /	/ /
B	Test and check	NA 16-35APM446-5-3	74PXU		*	/ /	/ /
C	Troubleshooting	NA 16-35APM446-5-3	74PXU		*	/ /	/ /
D	Intermediate maintenance	NA 16-35APM446-5-3	74PXU		*	/ /	/ /

B.18 Demonstrates/applies knowledge of Principles of operation and performs applicable intermediate level maintenance on the Servo-DAGC/VFO interface device using appropriate maintenance procedures and support/test equipment.

A	Principles of operation	NA 16-35APM446-5-4	74PY1		*	/ /	/ /
B	Test and check	NA 16-35APM446-5-4	74PY1		*	/ /	/ /
C	Troubleshooting	NA 16-35APM446-5-4	74PY1		*	/ /	/ /
D	Intermediate maintenance	NA 16-35APM446-5-4	74PY1		*	/ /	/ /

B.19 Demonstrates/applies knowledge of Principles of operation and performs applicable intermediate level maintenance on the A/D signal processor SRA interface device using appropriate maintenance procedures and support/test equipment.

A	Principles of operation	NA 16-35APM446-5-5	74PY4		*	/ /	/ /
B	Test and check	NA 16-35APM446-5-5	74PY4		*	/ /	/ /
C	Troubleshooting	NA 16-35APM446-5-5	74PY4		*	/ /	/ /
D	Intermediate maintenance	NA 16-35APM446-5-5	74PY4		*	/ /	/ /

B.20 Demonstrates/applies knowledge of Principles of operation and performs applicable intermediate level maintenance on the regulator SRA interface device 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	NA 16-35APM446-5-6	74PYA		*	/ /	/ /
B	Test and check	NA 16-35APM446-5-6	74PYA		*	/ /	/ /
C	Troubleshooting	NA 16-35APM446-5-6	74PYA		*	/ /	/ /
D	Intermediate maintenance	NA 16-35APM446-5-6	74PYA		*	/ /	/ /

B.21 Demonstrates/applies knowledge of Principles of operation and performs applicable intermediate level maintenance on the transmitter controller SRA interface device using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
B	Test and check						
C	Troubleshooting						
D	Intermediate maintenance						

B.22 Demonstrates/applies knowledge of Principles of operation and performs applicable intermediate level maintenance on the self-test panel interface device using appropriate maintenance procedures and support/test equipment.

A	Principles of operation	NA 16-30APM446-	74PXO		*	/ /	/ /
B	Test and check	NA 16-30APM446-	74PXO		*	/ /	/ /
C	Troubleshooting	NA 16-30APM446-	74PXO		*	/ /	/ /
D	Intermediate maintenance	NA 16-30APM446-	74PXO		*	/ /	/ /

B.23 Demonstrates/applies knowledge of Principles of operation and performs applicable intermediate level maintenance on the self-certification panel interface device using appropriate maintenance procedures and support/test equipment.

A	Principles of operation	NA 16-30APM446-6	74PYO		*	/ /	/ /
B	Test and check	NA 16-30APM446-6	74PYO		*	/ /	/ /
C	Troubleshooting	NA 16-30APM446-6	74PYO		*	/ /	/ /
D	Intermediate maintenance	NA 16-30APM446-6	74PYO		*	/ /	/ /

B.24 Demonstrates/applies knowledge of Principles of operation and performs applicable intermediate level maintenance on the Radar Set Test Station (RSTS), AN/APM-446 using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	RSTS, AN/APM-446				/ /	/ /	
A-1.1	Radio frequency load assembly	NA 16-35APM446-5-7	74LW6		*	/ /	*
A-1.2	Phase modulation noise test unit	NA 16-35APM446-5-8	74LW7		*	/ /	*
A-1.3	Direct current load assembly	NA 16-35APM446-5-6	74LWA		*	/ /	*
A-1.4	Liquid cooling system control unit	NA 16-35APM446-5-9	74LWB		*	/ /	*
A-1.5	Radio frequency interference unit	NA 16-35APM446-5-1	74LWD		*	/ /	*

DA B.24 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A-1.6	Electronic equipment air cooler	NA 16-35APM446-5-5	74LWE		* / /	* / /	
A-1.7	High current power distribution unit	NA 16-35APM446-5-4	74LWG		* / /	* / /	
A-1.8	Reconfigure interface unit	NA 16-35APM446-7	74LWH		* / /	* / /	
A-1.9	Station power distribution unit	NA 16-30APM446-5-2	74LWN		* / /	* / /	
A-1.10	Digital computer assembly	NA 16-30APM446-5-10	74LWP		* / /	* / /	
A-1.11	Control panel assembly	NA 16-30APM446-5-3	74LWQ		* / /	* / /	
A-1.12	Liquid cooling system	NA 16-30APM446-5-9	74LW7		* / /	* / /	
B	Test and check						
B-1	RSTS, AN/APM-446				/ /	/ /	
B-1.1	Radio frequency load assembly	NA 16-30APM446-5-7	74LW6		* / /	* / /	
B-1.2	Noise monitor	NA 16-30APM446-1 NA 16-30APM446-2	79HBB		* / /	* / /	
B-1.3	Phase modulation noise test unit	NA 16-30APM446-5-8	74LW7		* / /	* / /	
B-1.4	Direct current load assembly	NA 16-30APM446-5-6	74LWA		* / /	* / /	
B-1.5	Liquid cooling system	NA 16-30APM446-5-9	74LWB		* / /	* / /	
B-1.6	Spectrum analyzer	NA 16-30APM446-1 NA 16-30APM446-2	79FBF				
B-1.7	Radio frequency interference unit	NA 16-30APM446-5-1	79LWD		* / /	* / /	
B-1.8	Vector voltmeter	NA 16-30APM446-1 NA 16-30APM446-2	79PED		* / /	* / /	
B-1.9	Signal generator	NA 16-30APM446-1 NA 16-30APM446-2	79MAY		* / /	* / /	
B-1.10	Electronic equipment air cooler	NA 16-30APM446-5-5	74LWE		* / /	* / /	
B-1.11	RF power meter	NA 16-30APM446-1 NA 16-30APM446-2	79GAW		* / /	* / /	
B-1.12	Power supply 1	NA 16-30APM446-1 NA 16-30APM446-2	79SGP		* / /	* / /	
B-1.13	Power supply 2	NA 16-30APM446-1 NA 16-30APM446-2	79SGQ		* / /	* / /	
B-1.14	High current power distribution unit	NA 16-30APM446-5-4	74LWG		* / /	* / /	
B-1.15	Reconfigurable interface unit	NA 16-30AOM446-7	74LWH		* / /	* / /	
B-1.16	Signal operator 3	NA 16-30APM446-1 NA 16-30APM446-2	79MA2		* / /	* / /	
B-1.17	Power supply	NA 16-30APM446-1 NA 16-30APM446-2	79SGN		* / /	* / /	
B-1.18	Power supply and RIU power supply indicator panel	NA 16-30APM446-1 NA 16-30APM446-2	79SGR		* / /	* / /	
B-1.19	Power supply programming interface	NA 16-30APM446-1 NA 16-30APM446-2	79SHC		* / /	* / /	
B-1.20	Pulse generator	NA 16-30APM446-1 NA 16-30APM446-2	79MAW		* / /	* / /	
B-1.21	Digital multimeter	NA 16-30APM446-1 NA 16-30APM446-2	79EED		* / /	* / /	
B-1.22	Signal analyzer	NA 16-30APM446-1 NA 16-30APM446-2	79MAX		* / /	* / /	
B-1.23	Counter/timer	NA 16-30APM446-1 NA 16-30APM446-2	79HBN		* / /	* / /	

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DA B.24 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B-1.24	Power supply 2 and MBT power supply indicator panel	NA 16-30APM446-1 NA 16-30APM446-2	79SGS		* / /	* / /	
B-1.25	Power supply 1	NA 16-30APM446-1 NA 16-30APM446-2	79SG6		* / /	* / /	
B-1.26	Station power distribution unit	NA 16-30APM446-5-2	79LWN		* / /	* / /	
B-1.27	Video monitor	NA 16-30APM446-1 NA 16-30APM446-2	79XDH		* / /	* / /	
B-1.28	Function generator	NA 16-30APM446-1 NA 16-30APM446-2	79AJC		* / /	* / /	
B-1.29	Power supply	NA 16-30APM446-1 NA 16-30APM446-2	79SG3		* / /	* / /	
B-1.30	Liquid cooling system	NA 16-30APM446-5-9	79CM7		* / /	* / /	
C	Troubleshoot						
C-1	RSTS, AN/APM-446				/ /	/ /	
C-1.1	Radio frequency load assembly	NA 16-30APM446-5-7	74LW6		* / /	* / /	
C-1.2	Phase modulation noise test unit	NA 16-30APM446-5-8	74LW7		* / /	* / /	
C-1.3	Direct current load assembly	NA 16-30APM446-5-6	74LWA		* / /	* / /	
C-1.4	Liquid cooling system control unit	NA 16-30APM446-5-9	74LWB		* / /	* / /	
C-1.5	Radio frequency interface unit	NA 16-30APM446-5-1	74LWD		* / /	* / /	
C-1.6	Electronic equipment air cooler	NA 16-30APM446-5-5	74LWE		* / /	* / /	
C-1.7	High current power distribution unit	NA 16-30APM446-5-4	74LWG		* / /	* / /	
C-1.8	Reconfigurable interface unit	NA 16-30APM446-7	74LWH		* / /	* / /	
C-1.9	Station power distribution unit	NA 16-30APM446-5-2	74LWN		* / /	* / /	
C-1.10	Digital computer assembly	NA 16-30APM446-10	74LWP		* / /	* / /	
C-1.11	Control panel assembly	NA 16-30APM446-5-3	74LWQ		* / /	* / /	
C-1.12	Liquid cooling system	NA 16-30APM446-5-9	74CM7		* / /	* / /	
D	Intermediate maintenance						
D-1	RSTS, AN/APM-446				/ /	/ /	
D-1.1	Repair RSTS, AN/APM-446	NA 16-30APM446-1 NA 16-30APM446-2 NA 16-30APM446-3	74LW0				
D-1.2	R&R radio frequency load assembly	NA 16-30APM446-1 NA 16-30APM446-2 NA 16-30APM446-5-7	74LW6				
D-1.3	Repair radio frequency load assembly	NA 16-30APM446-2 NA 16-30APM446-3 NA 16-30APM446-5-7	74LW6				
D-1.4	R&R noise monitor	NA 16-30APM446-2 NA 16-30APM446-3	74HBB				
D-1.5	R&R distribution amplifier	NA 16-30APM446-2 NA 16-30APM446-3	74CCD				
D-1.6	R&R rubidium amplifier	NA 16-30APM446-2 NA 16-30APM446-3	74MAU				
D-1.7	R&R phase modulation noise test unit	NA 16-30APM446-2 NA 16-30APM446-3 NA 16-30APM446-5-8	74LW7				

## ITSS (MATMEP) 600 DIVISION (WC 630)

DA B.24 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-1.8	Repair phase modulation noise test unit	NA 16-30APM446-2 NA 16-30APM446-3 NA 16-30APM446-5-8	74LW7		*	/	/
D-1.9	R&R circuit cards	NA 16-30APM446-5-8	74LW7		*	/	/
D-1.10	R&R direct current load assembly	NA 16-30APM446-1 NA 16-30APM446-2 NA 16-30APM446-5-6	74LWA		*	/	/
D-1.11	Repair direct current load assembly	NA 16-30APM446-1 NA 16-30APM446-2 NA 16-30APM446-5-6	74LWA		*	/	/
D-1.11A	Align direct current load assembly	NA 16-30APM446-1 NA 16-30APM446-2 NA 16-30APM446-5-6	74LWA		*	/	/
D-1.12	R&R circuit cards	NA 16-30APM446-5-6	74LWA		*	/	/
D-1.13	R&R liquid cooling system control unit	NA 16-30APM446-3 NA 16-30APM446-5-9	74LWB		*	/	/
D-1.14	Repair liquid cooling system control unit	NA 16-30APM446-3 NA 16-30APM446-5-9	74LWB		*	/	/
D-1.15	R&R spectrum analyzer	NA 16-30APM446-2 NA 16-30APM446-3	79FBF		*	/	/
D-1.16	Align spectrum spectrum analyzer	NA 16-30APM446-2 NA 16-30APM446-3	79FBF		*	/	/
D-1.17	R&R radio frequency interface unit	NA 16-30APM446-2 NA 16-30APM446-3 NA 16-30APM446-5-1	74LWD		*	/	/
D-1.18	Repair radio frequency interface unit	NA 16-30APM446-2 NA 16-30APM446-3 NA 16-30APM446-5-1	74LWD		*	/	/
D-1.19	R&R circuit cards	NA 16-30APM446-5-1	74LWD		*	/	/
D-1.20	R&R vector voltmeter	NA 16-30APM446-2 NA 16-30APM446-3	79PED		*	/	/
D-1.21	R&R signal generator	NA 16-30APM446-2 NA 16-30APM446-3	79MAY		*	/	/
D-1.22	R&R electronic equipment air cooler	NA 16-30APM446-2 NA 16-30APM446-3	74LWE		*	/	/
D-1.23	Repair electronic equipment air cooler	NA 16-30APM446-2 NA 16-30APM446-3 NA 16-30APM446-5-5	74LWE		*	/	/
D-1.24	R&R RF power meter	NA 16-30APM446-2 NA 16-30APM446-3	79GAW		*	/	/
D-1.25	Zero RF power meter	NA 16-30APM446-2 NA 16-30APM446-3	79GAW		*	/	/
D-1.26	R&R power supply 1	NA 16-30APM446-2 NA 16-30APM446-3	79SGP		*	/	/
D-1.27	R&R power supply 2	NA 16-30APM446-2 NA 16-30APM446-3	79SGQ		*	/	/
D-1.28	R&R high power current distribution unit	NA 16-30APM446-2 NA 16-30APM446-3 NA 16-30APM446-5-4	74LWG		*	/	/

## ITSS (MATMEP) 600 DIVISION (WC 630)

DA B.24 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-1.29	Repair high current power distribution unit	NA 16-30APM446-2 NA 16-30APM446-3 NA 16-30APM446-5-4	74LWG		*	/	/
D-1.30	R&R re-configurable interface unit	NA 16-30APM446-2 NA 16-30APM446-3 NA 16-30APM446-5-4	74LWG		*	/	/
D-1.31	Repair reconfigurable interface unit	NA 16-30APM446-2 NA 16-30APM446-3 NA 16-30APM446-7	74LWH		*	/	/
D-1.32	R&R signal generator 3	NA 16-30APM446-2 NA 16-30APM446-3	79MA2		*	/	/
D-1.33	R&R power supply	NA 16-30APM446-2 NA 16-30APM446-3	79SGN		*	/	/
D-1.34	R&R power supply and RIU power supply indicator panel	NA 16-30APM446-2 NA 16-30APM446-3	79SGR		*	/	/
D-1.35	R&R power supply programming interface	NA 16-30APM446-2 NA 16-30APM446-3	74SHC		*	/	/
D-1.35A	Align power supply programming interface	NA 16-30APM446-2 NA 16-30APM446-3	74SHC		*	/	/
D-1.36	R&R pulse generator	NA 16-30APM446-2 NA 16-30APM446-3	79MAW		*	/	/
D-1.37	R&R digital multimeter	NA 16-30APM446-2 NA 16-30APM446-3	79EED		*	/	/
D-1.38	R&R multiplex bus terminal	NA 16-30APM446-2 NA 16-30APM446-3	79XNJ		*	/	/
D-1.39	R&R array processor	NA 16-30APM446-2 NA 16-30APM446-3	79XDL		*	/	/
D-1.40	R&R color monitor	NA 16-30APM446-2 NA 16-30APM446-3	74LWL1		*	/	/
D-1.41	R&R signal analyzer	NA 16-30APM446-2 NA 16-30APM446-3	79MAX		*	/	/
D-1.42	R&R counter/timer	NA 16-30APM446-2 NA 16-30APM446-3	79HBN		*	/	/
D-1.43	R&R power supply 2 and MBT power supply indicator panel	NA 16-30APM446-2 NA 16-30APM446-3	79SGS		*	/	/
D-1.44	R&R power supply 1	NA 16-30APM446-2 NA 16-30APM446-3	79SG6		*	/	/
D-1.45	R&R station power distribution unit	NA 16-30APM446-2 NA 16-30APM446-3 NA 16-30APM446-5-2	74LWN		*	/	/
D-1.46	Repair station power distribution unit	NA 16-30APM446-2 NA 16-30APM446-3 NA 16-30APM446-5-2	74LWN		*	/	/
D-1.47	R&R X-Y display	NA 16-30APM446-2 NA 16-30APM446-3	79PY6		*	/	/
D-1.48	R&R video monitor	NA 16-30APM446-2 NA 16-30APM446-3	79XDH		*	/	/
D-1.49	R&R function generator	NA 16-30APM446-2 NA 16-30APM446-3	79AJC		*	/	/

## ITSS (MATMEP) 600 DIVISION (WC 630)

DA B.24 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-1.50	R&R digital computer assembly	NA 16-30APM446-2 NA 16-30APM446-3 NA 16-30APM446-5-10	74LWP		*	/	/
D-1.51	Repair digital computer assembly	NA 16-30APM446-2 NA 16-30APM446-3 NA 16-30APM446-5-10	74LWP		*	/	/
D-1.52	R&R circuit cards	NA 16-30APM446-5-10	74LWP		*	/	/
D-1.53	R&R control panel assembly	NA 16-30APM446-2 NA 16-30APM446-3 NA 16-30APM446-5-3	74LWQ		*	/	/
D-1.54	R&R control panel assembly	NA 16-30APM446-2 NA 16-30APM446-3 NA 16-30APM446-5-3	74LWQ		*	/	/
D-1.55	R&R line printer	NA 16-30APM446-2 NA 16-30APM446-3	78XPC		*	/	/
D-1.56	R&R data storage system	NA 16-30APM446-2 NA 16-30APM446-3	78XQM		*	/	/
D-1.57	R&R power supply	NA 16-30APM446-2 NA 16-30APM446-3	79SG3		*	/	/
D-1.58	Change filter on LCS	NA 16-30APM446-2 NA 16-30APM446-3 NA 16-30APM446-5-9 AG-108AC-MRC-200	74CM7		*	/	/
D-1.59	Radar liquid cooling system	NA 16-30APM446-2 NA 16-30APM446-3 NA 16-30APM446-5-9	74CM7		*	/	/

ITSS (MATMEP) 600 DIVISION (WC 630)

## 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

**COMMENTS:**

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## ITSS (MATMEP) 600 DIVISION (WC 630)

## APPENDIX C

WORK CENTER SUMMARY  
RADAR TEST STATION/RADAR SYSTEMS TEST TECHNICIAN (MOS 6463/6469)

WORK CENTER NAME/NUMBER: \_\_\_\_\_

NAME/MOS	LEVEL	A.1	A.2	A.3	A.4	B.1	B.2	B.3	B.4	B.5	B.6	B.7	B.8	B.9	B.10	B.11	B.12
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## ITSS (MATMEP) 600 DIVISION (WC 630)

## APPENDIX C

WORK CENTER SUMMARY  
RADAR TEST STATION/RADAR SYSTEMS TEST TECHNICIAN (MOS 6463/6469)

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
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Date: August 1994

ITSS (MATMEP) 600 DIVISION (WC 630)

## APPENDIX D

SUPPORT EQUIPMENT LICENSING RECORD

NAME / SSN:

RANK:

MOS:

Date: August 1994