

DUTY AREA
HYBRID TEST SET TECHNICIAN (HTS) (MOS 6461)

A. GENERAL, OPERATIONAL AND SAFETY DUTIES

1. Operates and maintains applicable shop support/special equipment.
2. Demonstrates/applies knowledge of applicable avionics publications, diagrams, sketches and drawings.

B. SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES

1. Performs required scheduled/unscheduled inspections on applicable systems/components as per Maintenance Requirement Cards.
2. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the hybrid test system AN/USM-484 using appropriate maintenance procedures and support/test equipment.
3. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the OTPH 203 interface device and tested SRA's using appropriate maintenance procedures and support/test equipment.
4. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the OTPH 204 interface device and tested SRA's using appropriate maintenance procedures and support/test equipment.
5. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the OTPH 205 interface device and tested SRA's using appropriate maintenance procedures and support/test equipment.
6. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the OTPH 206 interface device and tested SRA's using appropriate maintenance procedures and support/test equipment.
7. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the OTPH 301 interface device and tested SRA's using appropriate maintenance procedures and support/test equipment.
8. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the OTPH 302 interface device and tested SRA's using appropriate maintenance procedures and support/test equipment.
9. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the OTPH 303 interface device and tested SRA's using appropriate maintenance procedures and support/test equipment.
10. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the OTPH 303B interface device and tested SRA's using appropriate maintenance procedures and support/test equipment.
11. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the OTPH 304 interface device and tested SRA's using appropriate maintenance procedures and support/test equipment.
12. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the OTPH 701 interface device and tested SRA's using appropriate maintenance procedures and support/test equipment.
13. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the OTPH 706 interface device and tested SRA's using appropriate maintenance procedures and support/test equipment.
14. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the TPH 707 interface device and tested SRA's using appropriate maintenance procedures and support/test equipment.

DA MOS 6461 (Continued)

15. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **OTPH 712 interface device and tested SRA's** using appropriate maintenance procedures and support/test equipment.
16. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **OTPH 714 interface device and tested SRA's** using appropriate maintenance procedures and support/test equipment.
17. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **LOT 7 common assemblies** using appropriate maintenance procedures and support/test equipment.
18. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **command launch computer** using appropriate maintenance procedures and support/test equipment.
19. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **avionics test set,AN/USM-470 and OF-173/U MTE** cart using appropriate maintenance procedures and support/test equipment.
20. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **TPS 128SAV61508 and tested WRA's** using appropriate maintenance procedures and support/test equipment.
21. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **TPS 128SAV61740 and tested SRA's** using appropriate maintenance procedures and support/test equipment.
22. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **TPS 128SAV61741 and tested SRA's** using appropriate maintenance procedures and support/test equipment.
23. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **TPS 128SAV61742 and tested SRA's** using appropriate maintenance procedures and support/test equipment.
24. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **TPS 128SAV61743 and tested SRA's** using appropriate maintenance procedures and support/test equipment.
25. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **TPS 128SAV61930 and tested SRA's** using appropriate maintenance procedures and support/test equipment.
26. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **TPS 128SAV49460 and tested SRA's** using appropriate maintenance procedures and support/test equipment.
27. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **TPS 128SAV49515 and tested SRA's** using appropriate maintenance procedures and support/test equipment.
28. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **TPS 1128SAV49600 and tested SRA's** using appropriate maintenance procedures and support/test equipment.
29. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **TPS 128SAV50065 and tested SRA's** using appropriate maintenance procedures and support/test equipment.

SKILL PROGRESSION LEVEL DEFINITIONS

LEVEL I: An asterisk in level I indicate the task is taught at "entry level (A) school".

LEVEL II: An asterisk in level II indicates the task is taught at NAMTRAGRU. Other tasks in level II not indicated with an asterisk will be signed off when exposed to the individual for the first time. All subsequent training, 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-off.

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 have been 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
HYBRID TEST SET TECHNICIAN (HTS) (MOS 6461)

NAME/SSN _____

Granted MOS 6411 _____/_____

Level II Completed _____/_____

Granted MOS 6461 _____/_____

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	SUPPORT/SPECIAL EQUIPMENT	XXXXXXXXXXXXXXXXXXXX	/	/	/
A.2	AVIONICS PUBLICATIONS, DIAGRAMS, SKETCHES AND DRAWINGS	/	XXXXXXXXXXXXXXXXXXXX	/	/
B.	SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
B.1	REQUIRED SCHEDULED/UNSCHEDULED INSPECTIONS	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.2	HYBRID TEST SYSTEM AN/USM-484	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.3	OTPH 203 INTERFACE DEVICE AND TESTED SRA'S	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
B.4	OTPH 204 INTERFACE DEVICE AND TESTED SRA'S	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
B.5	OTPH 205 INTERFACE DEVICE AND TESTED SRA'S	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
B.6	OTPS 206 INTERFACE DEVICE AND TESTED SRA'S	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
B.7	OTPH 301 INTERFACE DEVICE AND TESTED SRA'S	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
B.8	OTPH 302 INTERFACE DEVICE AND TESTED SRA'S	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
B.9	OTPH 303 INTERFACE DEVICE AND TESTED SRA'S	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
B.10	OTPH 303B INTERFACE DEVICE AND TESTED SRA'S	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/
B.11	OTPH 304 INTERFACE DEVICE AND TESTED SRA'S	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/
B.12	OTPH 701 INTERFACE DEVICE AND TESTED SRA'S	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/
B.13	OTPH 706 INTERFACE DEVICE AND TESTED SRA'S	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/
B.14	OTPH 707 INTERFACE DEVICE AND TESTED SRA'S	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/
B.15	OTPH 712 INTERFACE DEVICE AND TESTED SRA'S	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/
B.16	OTPH 714 INTERFACE DEVICE AND TESTED SRA'S	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/
B.17	LOT 7 COMMON ASSEMBLIES	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/
B.18	COMMAND LAUNCH COMPUTER	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/
B.19	AVIONICS TEST SET, AN/USM-470 AND OF-173/U MTE CART	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.20	TPS 128SAV61508 AND TESTED WRA'S	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/
B.21	TPS 128SAV61740 AND TESTED SRA'S	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/
B.22	TPS 128SAV61741 AND TESTED SRA'S	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/
B.23	TPS 128SAV61742 AND TESTED SRA'S	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/
B.24	TPS 128SAV61743 AND TESTED SRA'S	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/
B.25	TPS 128SAV61930 AND TESTED SRA'S	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/
B.26	TPS 1128SAV49460 AND TESTED SRA'S	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/
B.27	TPS 1128SAV49515 AND TESTED SRA'S	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/
B.28	TPS 1128SAV49600 AND TESTED SRA'S	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/
B.29	TPS 1128SAV50065 AND TESTED SRA'S	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/

INDIVIDUAL QUALIFICATION RECORD
HYBRID TEST SET TECHNICIAN (HTS) (MOS 6461)

A. GENERAL, OPERATIONAL 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	Operates thermal RMS digital multimeter, 8506A	OTPI 1503-04	*	/ /	*	/ /
B	Operates synthesizer/level generator, 3335A	OTPI 1503-04	*	/ /	*	/ /
C	Operates meter calibrator, 5102B	OTPI 1503-04	*	/ /	*	/ /
D	Operates synchro/resolver angle indicator, HSR-203	OTPI 1503-04	*	/ /	*	/ /
E	Operates wave analyzer, 3581A	OTPI 71203		/ /	*	/ /

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

A	Naval Aviation Maintenance Program (NAMP)	OPNAVINST 4790.2 series		/ /	/ /	
B	Naval Air Systems Command Technical Manual Program	NA00-25-100		/ /	/ /	
C	Avionics Cleaning & Corrosion Control Manual	NA16-1-540		/ /	/ /	
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-16-1-8 NA-16-1-8-2.4 NA-16-1-8-3.2 NA-16-1-8-4.1 NA-16-1-8-4.2 A1-F18AC-WUC-800	*	/ /	*	/ /
G	Maintenance Instruction Manuals w/IPBs			/ /	/ /	
H	Technical Documentation List	A1-AV8BB-AML-000 NA-01-85AD0		/ /	/ /	

INDIVIDUAL QUALIFICATION RECORD
HYBRID TEST SET TECHNICIAN (HTS) (MOS 6461)

B. SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES

B.1 Performs **required scheduled and unscheduled inspection** on applicable systems/components as per Maintenance Requirements Cards.

TASK #	TASK DESCRIPTION	REFERENCES	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Daily Maintenance Requirement Cards	AT-826HO-MRC-000		/ /	*	/ /	
B	Periodic Maintenance Requirement Cards	AT-826HO-MRC-000		/ /	*	/ /	

B.2 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **hybrid test system AN/USM-484** using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	Digital computer	AT-826HO-MCM-000	78AF200	/ /	*	/ /	
A-2	Interconnecting switching unit	AT-826HO-MCM-010	78FAW00	/ /	*	/ /	
A-3	Digital word generator	AT-826CA-MCM-010	78AFW10	/ /	*	/ /	
A-4	Micro Computer TI/990	AT-826HO-MIB-010	78AFW30	/ /	*	/ /	
A-5	Power Monitor Control Unit	AT-826HO-MEB-020	78AF1	/ /	*	/ /	
A-6	Disc drive	OPTIPAC User's Manual	78AF3	/ /	*	/ /	
A-7	AC power supply	AT-82300-ITM-000	78AFE	/ /	*	/ /	
A-8	Decoder programmer	AT-82300-ITM-000	78AFF	/ /	*	/ /	
A-9	Macroprocessing timer/counter	AT-82300-ITM-000	78AFG	/ /	*	/ /	
A-10	CRT keyboard terminal	AT-82300-ITM-000	78AFH00	/ /	*	/ /	
A-11	Signal processor	AT-82300-ITM-000	78AFJ00	/ /	*	/ /	
A-12	Programmable pulse generator	AT-82300-ITM-000	78AFL	/ /	*	/ /	
A-13	Arbitrary waveform generator	AT-82300-ITM-000	78AFM	/ /	*	/ /	
A-14	Synthesizer/function generator	AT-82300-ITM-000	78AFU	/ /	*	/ /	
A-15	Programmable Digitizer	NA16-45-2413	78AFX	/ /	*	/ /	
A-16	Digital voltmeter	AT-82300-ITM-000	78AFV	/ /	*	/ /	
A-17	Programmable Power Supplies	AT-823CA-INS-030 to 070	78AG	/ /	*	/ /	
A-18	Calibration standard module	AT-82640-HDB-040	78AGC	/ /	*	/ /	
A-19	Printer	AT-82300-ITM-000	78AGB00	/ /	*	/ /	
A-20	Power supply blower assembly	AT-826HO-MIB-000	78AF5	/ /	*	/ /	
A-21	Blower unit	AT-826HO-MIB-000	78AFN	/ /		/ /	
B	Troubleshooting and Intermediate Maintenance						
B-1	Troubleshoot digital computer	AT-826HO-MCM-000	78AF200	* / /		/ /	
B-1.1	R&R digital computer circuit card assemblies	AT-826HO-MCM-000	78AF200		/ /	/ /	
B-1.2	R&R digital computer cable assembly	AT-826HO-MCM-000	78AF200		/ /	/ /	

B.2 (Continued)

TASK #	TASK DESCRIPTION	REFERENCES	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B-1.3	Repair digital computer cable assembly	AT-826HO-MCM-000	78AF200		/ /	/ /	
B-2	Troubleshoot interconnecting switch unit	AT-826HO-MIB-000	78AFW00		*	/ /	
B-2.1	R&R interconnecting switch unit circuit card assemblies	AT-826HO-MIB-010	78AFW00		/ /	/ /	
B-2.2	R&R interconnecting switch cable assembly	AT-826HO-MIB-010	78AFW00		/ /	/ /	
B-2.3	Repair interconnecting switch cable assembly	AT-826HO-MIB-010	78AFW00		/ /	/ /	
B-3	Troubleshoot digital word generator	AT-828CA-MMI-010	78AFW10		*	/ /	*
B-3.1	R&R digital word generator circuit card assemblies	AT-828CA-MMI-010	78AFW10		/ /	/ /	
B-3.2	R&R digital word generator wire assembly	AT-828CA-MMI-010	78AFW10		/ /	/ /	
B-3.3	R&R digital word generator cable assembly	AT-828CA-MMI-010	78AFW10		/ /	/ /	
B-3.4	Repair digital word generator cable assembly	AT-828CA-MMI-010	78AFW10		*	/ /	*
B-4	Troubleshoot Micro Computer TI/990	AT-826HO-MIB-010	78AFW30		/ /	/ /	
B-4.1	R&R TI/990 Circuit Card Assemblies	AT-826HO-MIB-010	78AFW30		/ /	/ /	
B-4.2	R&R TI/990 Cable Assemblies	AT-826HO-MIB-010	78AFW30		/ /	/ /	
B-4.3	Repair cable assemblies	AT-826HO-MIB-010	78AFW30		/ /	/ /	
B-5	Troubleshoot PMCU	AT-826HO-MEB-020	78AF1		/ /	*	/ /
B-5.1	R&R PMCU	AT-826HO-MEB-020	78AF100		/ /	*	/ /
B-6	Troubleshoot disc drive	OPTIPAC User's Manual	78AF3		*	/ /	*
B-6.1	R&R disc drive	OPTIPAC User's Manual	78AF3		/ /	*	/ /
B-7	R&R AC power supply	AT-82300-ITM-000	78AFE		*	/ /	*
B-8	R&R decoder programmer	AT-82300-ITM-000	78AFF		*	/ /	*
B-9	R&R macroprocessing timer/counter	AT-828CA-MMI-130	78AFG		*	/ /	*
B-10	R&R CRT keyboard terminal	NA16-45-2700-41	78AFM00		*	/ /	*
B-11	R&R signal processor	AT-82300-ITM-000	78AFJ00		*	/ /	*
B-12	R&R programmable pulse generator	10637-1-6/80	78AFL		*	/ /	*
B-13	R&R arbitrary waveform generator	AT-82300-ITM-000	78AFM		*	/ /	*
B-14	R&R synthesizer/function generator	NA17-20AG-354	78AFU		*	/ /	*
B-15	R&R Programmable digitizer	AT-826HO-MIB-000	78AFX		*	/ /	*
B-16	R&R Programmable digitizer	AT-826HO-MIB-000	78AFX		/ /	*	/ /
B-17	R&R digital voltmeter	NA16-45-2700-45	78AFV		*	/ /	*
B-18	R&R Programmable power supplies	AT-826HO-MIB000	78AG		/ /	*	/ /
B-19	R&R calibration standard module	AT-82640-HDB-004	78AGC		*	/ /	*
B-20	R&R printer	AT-828CA-MMC-150	78AGB00		*	/ /	*
B-21	Troubleshoot power supply blower assembly	AT-826HO-MIB-000	78AF5		/ /	*	/ /
B-22	R&R blower unit	AT-826HO-MIB-000	78AFN		/ /	*	/ /

B.3 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **OTPH 203 interface device and tested SRA's** using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCES	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Principles of operation						
A-1	OTPH 203 interface device	AT-908SG-S92-200	78AHT00	/ /	*	/ /	
A-2	203-01 A4 local memory	AW-215AC-740-000	74D9540	/ /	/ /	/ /	
A-3	203-02 A3 u-process	AW-215AC-740-000	74D9530	/ /	*	/ /	
A-4	203-03 all data interface	AW-215AC-740-000	74D95B0	/ /	*	/ /	
A-5	203-04 A3 bitmux power supply	AW-215AC-740-010	74D9430	/ /	*	/ /	
A-6	203-05 A4 T/D power supply	AW-215AC-740-010	74D9440	/ /	/ /	/ /	
A-7	203-06 PS1	AW-215AC-740-010	74D9450	/ /	/ /	/ /	
A-8	203-07 A6 servo power supply	AW-215AC-740-010	74D9460	/ /	/ /	/ /	
A-9	203-08 ps3	AW-215AC-740-010	74D9470	/ /	/ /	/ /	
A-10	203-09 ps7	AW-215AC-740-010	74D9480	/ /	/ /	/ /	
A-11	203-10 A1 servo process	AW-215AC-740-010	74D9610	/ /	/ /	/ /	
A-12	203-11 A2 timing control	AW-215AC-740-020	74D9620	/ /	/ /	/ /	
A-13	203-12 A3 I/O	AW-215AC-740-020	74D9630	/ /	/ /	/ /	
B	Troubleshooting and intermediate maintenance						
B-1	OTPH 203 interface device	AT-908SG-S92-200	78AHT00	/ /	/ /	/ /	
B-2	203-01 A4 local memory	AW-215AC-740-000	74D9540	/ /	/ /	/ /	
B-3	203-02 A3 u-process	AW-215AC-740-000	74D9530	/ /	/ /	/ /	
B-4	203-03 all data interface	AW-215AC-740-000	74D95B0	/ /	/ /	/ /	
B-5	203-04 A3 bitmux power supply	AW-215AC-740-010	74D9430	/ /	/ /	/ /	
B-6	203-05 A4 T/D power supply	AW-215AC-740-010	74D9440	/ /	/ /	/ /	
B-7	203-06 PS1	AW-215AC-740-010	74D9450	/ /	/ /	/ /	
B-8	203-07 A6 servo power supply	AW-215AC-740-010	74D9460	/ /	/ /	/ /	
B-9	203-08 ps3	AW-215AC-740-010	74D9470	/ /	/ /	/ /	
B-10	203-09 ps7	AW-215AC-740-010	74D9480	/ /	/ /	/ /	
B-11	203-10 A1 servo process	AW-215AC-740-020	74D9610	/ /	/ /	/ /	
B-12	203-11 A2 timing control	AW-215AC-740-020	74D9620	/ /	/ /	/ /	
B-13	203-12 A3 I/O	AW-215AC-740-020	74D9630	/ /	/ /	/ /	

B.4 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **OTPH 204 interface device and tested SRA's** using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	OTPH 204 interface device	AT-908SG-S92-300	78AHQ00	/ /	*	/ /	
A-2	204-04 A1 red audio	AE-105AC-640-000	64X1110	/ /	/ /	/ /	
A-3	204-05 A2 black audio 1	AE-105AC-640-000	64X1120	/ /	/ /	/ /	
A-4	204-06 A3 black audio 2	AE-105AC-640-000	64X1130	/ /	/ /	/ /	
A-5	204-07 A4 control logic	AE-105AC-640-000	64X1140	/ /	/ /	/ /	
A-6	204-08 A5 bit/logic	AE-105AC-640-000	64X1150	/ /	/ /	/ /	
A-7	204-09 A6 voice alert	AE-105AC-640-000	64X1160	/ /	/ /	/ /	
A-8	204-10 A7 power supply	AE-105AC-640-000	64X1170	/ /	/ /	/ /	
A-9	204-11 A4 mad interface	AE-205AC-560-000	56X2840	/ /	/ /	/ /	
A-10	204-12 A3 power supply	AE-205AC-560-000	56X2830	/ /	/ /	/ /	
A-11	204-13 A4 mad interface	AE-205AC-560-000	56X2840	/ /	/ /	/ /	

B.4 (Continued)

TASK #	TASK DESCRIPTION	REFERENCES	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A-12	204-14 A5 memory	AE-205AC-560-000	56X2850		/ /	/ /	
A-13	204-15 A6 processor	AE-205AC-560-000	56X2860		/ /	/ /	
A-14	204-16 A7 input data	AE-205AC-560-000	56X2870		/ /	/ /	
A-15	204-18 A10 output data	AE-205AC-560-000	56X28A0		/ /	/ /	
A-16	204-19 A11 ac input	AE-205AC-560-000	56X28B0		/ /	/ /	
B	Troubleshooting and intermediate maintenance						
B-1	OTPH 204 interface device	AT-908SG-S92-300	78AHQ00		/ /	* / /	
B-2	204-04 A1 red audio	AE-105AC-640-000	64X1110		/ /	/ /	
B-3	204-05 A2 black audio 1	AE-105AC-640-000	64X1120		/ /	/ /	
B-4	204-06 A3 black audio 2	AE-105AC-640-000	64X1130		/ /	/ /	
B-5	204-07 A4 control logic	AE-105AC-640-000	64X1140		/ /	/ /	
B-6	204-08 A5 bit/logic	AE-105AC-640-000	64X1150		/ /	/ /	
B-7	204-09 A6 voice alert	AE-105AC-640-000	64X1160		/ /	/ /	
B-8	204-10 A7 power supply	AE-105AC-640-000	64X1170		/ /	/ /	
B-9	204-11 A4 mad interface	AE-205AC-560-000	56X2840		/ /	/ /	
B-10	204-12 A3 power supply	AE-205AC-560-000	56X2830		/ /	/ /	
B-11	204-13 A4 mad interface	AE-205AC-560-000	56X2840		/ /	/ /	
B-12	204-14 A5 memory	AE-205AC-560-000	56X2850		/ /	/ /	
B-13	204-15 A6 processor	AE-205AC-560-000	56X2860		/ /	/ /	
B-14	204-16 A7 input data	AE-205AC-560-000	56X2870		/ /	/ /	
B-15	204-18 A10 output data	AE-205AC-560-000	56X28A0		/ /	/ /	
B-16	204-19 A11 ac input	AE-205AC-560-000	56X28B0		/ /	/ /	

B.5 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **OTPH 205 interface device and tested SRA's** using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	OTPH 205 interface device	AT-908SG-S92-400	78AHM00		/ /	* / /	
A-2	205-01 A3 CRT/YOKE	AW-646AC-740-000	74D6130		/ /	/ /	
A-3	205-02 A9 front panel	AW-646AC-740-000	74D6190		/ /	/ /	
A-4	205-03 ps1 LVPS	AW-646AC-740-000	74D61F0		/ /	/ /	
A-5	205-04 ps2 HVPS	AW-646AC-740-000	74D61G0		/ /	/ /	
A-6	205-05 MDI/MDRI	AW-646AC-740-070	74D68L0		/ /	/ /	
A-7	205-06 MDI LVPS	AW-646AC-740-070	74D68M0		/ /	/ /	
A-8	205-08 A7 bright VP amp	AW-646AC-740-070	74D6170		/ /	/ /	
B	Intermediate maintenance						
B-1	OTPH 205 interface device	AT-908SG-S92-400	78AHM00		/ /	* / /	
B-2	205-01 A3 CRT/YOKE	AW-646AC-740-000	74D6130		/ /	/ /	
B-3	205-02 A9 front panel	AW-646AC-740-000	74D6190		/ /	/ /	
B-4	205-03 ps1 LVPS	AW-646AC-740-000	74D61F0		/ /	/ /	
B-5	205-04 ps2 HVPS	AW-646AC-740-000	74D61G0		/ /	/ /	
B-6	205-05 MDI/MDRI	AW-646AC-740-070	74D68L0		/ /	/ /	
B-7	205-06 MDI LVPS	AW-646AC-740-070	74D68M0		/ /	/ /	
B-8	205-08 A7 bright VP amp	AW-646AC-740-070	74D6170		/ /	/ /	

B.6 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **OTPS 206 interface device and tested SRA's** using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCES	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Principles of operation						
A-1	OTPS 206 interface device	AT-908SG-S92-500	78AH300	/ /	* / /		
A-2	206-01 A6 I/O BIT	AW-646AC-740-000	74D6160	/ /	/ /		
A-3	206-02 A3 interface	AW-646AC-740-000	7468130	/ /	/ /		
A-4	206-03 A6 mux bus	AW-646AC-740-000	7468160	/ /	/ /		
A-5	AW-646AC-740-000	AW-646AC-740-000	7468170	/ /	/ /		
A-6	206-05 A8 coor x-form	AW-646AC-740-000	7468180	/ /	/ /		
A-7	206-06 A9 DDA	AW-646AC-740-000	7468190	/ /	/ /		
A-8	206-07 A10 cache mem	AW-646AC-740-000	74681A0	/ /	/ /		
A-9	206-08 A11 per I/O	AW-646AC-740-000	74681B0	/ /	/ /		
A-10	206-09 A12 I/O control	AW-646AC-740-000	74681C0	/ /	/ /		
A-11	206-10 A13 ram	AW-646AC-740-000	74681D0	/ /	/ /		
A-12	206-11 A14 cpu	AW-646AC-740-000	74681E0	/ /	/ /		
A-13	206-12 A19 sig gen out	AW-646AC-740-000	74681K0	/ /	/ /		
B	Troubleshooting and intermediate maintenance						
B-1	OTPS 206 interface device	AT-908SG-S92-400	78AH300	/ /	* / /		
B-2	206-01 A6 I/O BIT	AW-646AC-740-000	74D6160	/ /	/ /		
B-3	206-02 A3 interface	AW-646AC-740-000	7468130	/ /	/ /		
B-4	206-03 A6 mux bus	AW-646AC-740-000	7468160	/ /	/ /		
B-5	206-04 A7 alpha num	AW-646AC-740-000	7468170	/ /	/ /		
B-6	206-05 A8 coor x-form	AW-646AC-740-000	7468180	/ /	/ /		
B-7	206-06 A9 DDA	AW-646AC-740-000	7468190	/ /	/ /		
B-8	206-07 A10 cache mem	AW-646AC-740-000	74681A0	/ /	/ /		
B-9	206-08 A11 per I/O	AW-646AC-740-000	74681B0	/ /	/ /		
B-10	206-09 A12 I/O control	AW-646AC-740-000	74681C0	/ /	/ /		
B-11	206-10 A13 ram	AW-646AC-740-000	74681D0	/ /	/ /		
B-12	206-11 A14 cpu	AW-646AC-740-000	74681E0	/ /	/ /		
B-13	206-12 A19 sig gen out	AW-646AC-740-000	74681K0	/ /	/ /		

B.7 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **OTPH 301 interface device and tested SRA's** using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	OTPH 301 interface device	AT-908SG-S92-000	78AHA00	/ /	* / /		
A-2	301-01 A13 ram/rom	AE-005L0-670-000	67X21D0	/ /	/ /		
A-3	301-02 A12 processor	AE-005L0-670-000	67X21C0	/ /	/ /		
A-4	301-03 A5 beacon/alt	AE-005L0-670-000	67X2150	/ /	/ /		
A-5	301-04 A1 arm bus	AW-640AC-740-030	74N1510	/ /	/ /		
A-6	301-05 A4 power supply	AW-640AC-740-020	74N1440	/ /	/ /		
A-7	301-06 converter	A1-217AC-440-200	4431321	/ /	/ /		
A-8	301-07 A14 power supply	AW-640AC-740-030	74N15E0	/ /	/ /		
A-9	301-08 A17 power supply	AW-640AC-740-000	74N11H0	/ /	/ /		
A-10	301-09 A7 arm bus inter	AW-640AC-740-030	74N1170	/ /	/ /		
A-11	301-10 A4 analog	AE-005L0-670-000	67X2140	/ /	/ /		

B.7 (Continued)

TASK #	TASK DESCRIPTION	REFERENCES	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A-12	301-11 A16 power supply	AE-005L0-670-000	67X21G0		/ /	/ /	
A-13	301-12 A8 arm bus control	AW-640AC-740-000	74N1180		/ /	/ /	
A-14	301-13 A10 dma cont	AE-005L0-670-000	67X21A0		/ /	/ /	
A-15	301-14 A11 mem inter	AW-640AC-740-000	74N11B0		/ /	/ /	
A-16	301-15 A6 power supply	AW-640AC-740-000	74N1360		/ /	/ /	
A-17	301-16 A14 TACAN	AE-005L0-670-000	67X21E0		/ /	/ /	
A-18	301-17 A1 IFF/ILS	AE-005L0-670-000	67X2110		/ /	/ /	
A-19	301-18 A6 BUS INTER	AE-005L0-670-000	67X2160		/ /	/ /	
A-20	301-19 A2 ILS/DISCRETE	AE-005L0-670-000	67X2120		/ /	/ /	
A-21	301-20 A9 bus control	AE-005L0-670-000	67X2190		/ /	/ /	
B	Troubleshooting and intermediate maintenance						
B-1	OTPH 301 interface device	AT-908SG-S92-000	78AHA00		/ /	*	/ /
B-2	301-01 A13 ram/rom	AE-005L0-670-000	67X21D0		/ /	/ /	
B-3	301-02 A12 processor	AE-005L0-670-000	67X21C0		/ /	/ /	
B-4	301-03 A5 beacon/alt	AE-005L0-670-000	67X2150		/ /	/ /	
B-5	301-04 A1 arm bus	AW-640AC-740-030	74N1510		/ /	/ /	
B-6	301-05 A4 power supply	AW-640AC-740-020	74N1440		/ /	/ /	
B-7	301-06 converter	A1-217AC-440-200	441321		/ /	/ /	
B-8	301-07 A14 power supply	AW-640AC-740-030	74N15E0		/ /	/ /	
B-9	301-08 A17 power supply	AW-640AC-740-000	74N11H0		/ /	/ /	
B-10	301-09 A7 arm bus inter	AW-640AC-740-030	74N1170		/ /	/ /	
B-11	301-10 A4 analog	AE-005L0-670-000	67X2140		/ /	/ /	
B-12	301-11 A16 power supply	AE-005L0-670-000	67X21G0		/ /	/ /	
B-13	301-12 A8 arm bus control	AW-640AC-740-000	74N1180		/ /	/ /	
B-14	301-13 A10 dma cont	AE-005L0-670-000	67X21A0		/ /	/ /	
B-15	301-14 A11 mem inter	AW-640AC-740-000	74N11B0		/ /	/ /	
B-16	301-15 A6 power supply	AW-640AC-740-000	74N1360		/ /	/ /	
B-17	301-16 A14 TACAN	AE-005L0-670-000	67X21E0		/ /	/ /	
B-18	301-17 A1 IFF/ILS	AE-005L0-670-000	67X2110		/ /	/ /	
B-19	301-18 A6 BUS INTER	AE-005L0-670-000	67X2160		/ /	/ /	
B-20	301-19 A2 ILS/DISCRETE	AE-005L0-670-000	67X2120		/ /	/ /	
B-21	301-20 A9 bus control	AE-005L0-670-000	67X2190		/ /	/ /	

B.8 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **OTPH 302 interface device and tested SRA's** using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	OTPH 302 interface device	AT-908GS-S92-100	78AHB00		/ /	*	/ /
A-2	302-01 A1 timing board	AN-500AC-510-000	5111C10		/ /	/	/
A-3	302-02 A1 interface	AN-500AC-510-000	73X3210		/ /	/	/
A-4	302-03 A6 front panel	AN-500AC-510-000	73X3260		/ /	/	/
A-5	302-04 A5 power supply	AN-000AC-580-000	5838450		/ /	/	/
A-6	302-05 A5 sweep process	AN-500AC-510-000	73X3250		/ /	/	/
A-7	302-06 A5 fuel flow mod	AN-500AC-510-000	5111C50		/ /	/	/

B.8 (Continued)

TASK #	TASK DESCRIPTION	REFERENCES	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A-8	302-07 A3 display panel	AN-000AC-580-000	5838430		/ /	/ /	
A-9	302-08 power supply assy	AN-340AC-570-000	57D9570		/ /	/ /	
A-10	302-10 A1 sce driver	AN-310AC-670-000	67X2210		/ /	/ /	
A-11	302-11 A9 lamp module	A1-220AC-730-010	73X3290		/ /	/ /	
A-12	302-12 A3 rpm wheel	AN-500AC-510-000	5111C30		/ /	/ /	
A-13	302-13 A4 eng gas temp	AN-500AC-510-000	5111C40		/ /	/ /	
A-14	302-14 A4 output driver	A1-220AC-730-010	73X3240		/ /	/ /	
A-15	302-15 ps1 HVPS	A1-220AC-730-010	73X32X0		/ /	/ /	
A-16	302-16 ps2 LVPS	A1-220AC-730-010	73X3240		/ /	/ /	
A-17	302-18 A6 nozzle pos	AN-500AC-510-000	5111C60		/ /	/ /	
A-18	302-19 A7 interface	AN-500AC-510-000	5111C70		/ /	/ /	
B	Troubleshooting and intermediate maintenance						
B-1	OTPH 302 interface device	AT-908GS-S92-100	78AHB00		/ /	*	/ /
B-2	302-01 A1 timing board	AN-500AC-510-000	5111C10		/ /	/ /	
B-3	302-02 A1 interface	AN-500AC-510-000	73X3210		/ /	/ /	
B-4	302-03 A6 front panel	AN-500AC-510-000	73X3260		/ /	/ /	
B-5	302-04 A5 power supply	AN-000AC-580-000	5838450		/ /	/ /	
B-6	302-05 A5 sweep process	AN-500AC-510-000	73X3250		/ /	/ /	
B-7	302-06 A5 fuel flow mod	AN-500AC-510-000	5111C50		/ /	/ /	
B-8	302-07 A3 display panel	AN-000AC-580-000	5838430		/ /	/ /	
B-9	302-08 power supply assy	AN-340AC-570-000	57D9570		/ /	/ /	
B-10	302-10 A1 sce driver	AN-310AC-670-000	67X2210		/ /	/ /	
B-11	302-11 A9 lamp module	A1-220AC-730-010	73X3290		/ /	/ /	
B-12	302-12 A3 rpm wheel	AN-500AC-510-000	5111C30		/ /	/ /	
B-13	302-13 A4 eng gas temp	AN-500AC-510-000	5111C40		/ /	/ /	
B-14	302-14 A4 output driver	A1-220AC-730-010	73X3240		/ /	/ /	
B-15	302-15 ps1 HVPS	A1-220AC-730-010	73X32X0		/ /	/ /	
B-16	302-16 ps2 LVPS	A1-220AC-730-010	73X3240		/ /	/ /	
B-17	302-18 A6 nozzle pos	AN-500AC-510-000	5111C60		/ /	/ /	
B-18	302-19 A7 interface	AN-500AC-510-000	5111C70		/ /	/ /	

B.9 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the OTPH 303 interface device and tested SRA's using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	OTPH 303 interface device	AT-908GS-S92-200	78AHC00		/ /	/ /	
A-2	303-01 A1 discrete I/O	AT-991AC-580-000	5838110		/ /	/ /	
A-3	303-02 A2 spool control	AT-991AC-580-010	5838220		/ /	/ /	
A-4	303-03 A11 track filter A	AT-991AC-580-000	58381B0		/ /	/ /	
A-5	303-04 A7 ats interface	AT-991AC-580-000	5838170		/ /	/ /	
A-6	303-05 A4 discrete I/O	AT-991AC-580-010	5838240		/ /	/ /	
A-7	303-06 A13 track filter B	AT-991AC-580-000	58381D0		/ /	/ /	
A-8	303-07 A3 thermocouple	AT-991AC-580-000	5838130		/ /	/ /	
A-9	303-08 A5 analog conv	AT-991AC-580-000	5838150		/ /	/ /	
A-10	303-09 A1 read/write	AT-991AC-580-010	5838210		/ /	/ /	

B.9 (Continued)

TASK #	TASK DESCRIPTION	REFERENCES	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A-11	303-10 A11 processor 1	AT-991AC-580-010	58382B0		/ /	/ /	
A-12	303-11 A8 processor 1	AT-991AC-580-000	58381B0		/ /	/ /	
A-13	303-12 A13 power control	AT-991AC-580-010	58382D0		/ /	/ /	
A-14	303-13 ps1 MSDC	AT-991AC-580-000	58381E0		/ /	/ /	
A-15	303-15 A3 capstan	AT-991AC-580-010	5838230		/ /	/ /	
A-16	303-16 A9 memory 1	AT-991AC-580-000	5838190		/ /	/ /	
A-17	303-17 A12 memory 1	AT-991AC-580-010	5838200		/ /	/ /	
A-18	303-18 A10 100KHZ DL	AT-991AC-580-000	58381A0		/ /	/ /	
A-19	303-19 A6 tach/fuel flow	AT-991AC-580-000	5838160		/ /	/ /	
A-20	303-20 A10 process 2	AT-991AC-580-010	58382A0		/ /	/ /	
A-21	303-21 2A5 data link	AT-991AC-580-010	5838250		/ /	/ /	
B	Troubleshooting and intermediate maintenance						
B-1	OTPH 303 interface device	AT-908GS-S92-200	78AHC00		/ /	*	/ /
B-2	303-01 A1 discrete I/O	AT-991AC-580-000	5838110		/ /	/ /	
B-3	303-02 A2 spool control	AT-991AC-580-010	5838220		/ /	/ /	
B-4	303-03 A11 track filter A	AT-991AC-580-000	58381B0		/ /	/ /	
B-5	303-04 A7 ats interface	AT-991AC-580-000	5838170		/ /	/ /	
B-6	303-05 A4 discrete I/O	AT-991AC-580-010	5838240		/ /	/ /	
B-7	303-06 A13 track filter B	AT-991AC-580-000	58381D0		/ /	/ /	
B-8	303-07 A3 thermocouple	AT-991AC-580-000	5838130		/ /	/ /	
B-9	303-08 A5 analog conv	AT-991AC-580-000	5838150		/ /	/ /	
B-10	303-09 A1 read/write	AT-991AC-580-010	5838210		/ /	/ /	
B-11	303-10 A11 processor 1	AT-991AC-580-010	58382B0		/ /	/ /	
B-12	303-11 A8 processor 1	AT-991AC-580-000	5838180		/ /	/ /	
B-13	303-12 A13 power control	AT-991AC-580-010	58382D0		/ /	/ /	
B-14	303-13 ps1 MSDC	AT-991AC-580-000	58381E0		/ /	/ /	
B-15	303-15 A3 capstan	AT-991AC-580-010	5838230		/ /	/ /	
B-16	303-16 A9 memory 1	AT-991AC-580-000	5838190		/ /	/ /	
B-17	303-17 A12 memory 1	AT-991AC-580-010	5838200		/ /	/ /	
B-18	303-18 A10 100KHZ DL	AT-991AC-580-000	58381A0		/ /	/ /	
B-19	303-19 A6 tach/fuel flow	AT-991AC-580-000	5838160		/ /	/ /	
B-20	303-20 A10 process 2	AT-991AC-580-010	58382A0		/ /	/ /	
B-21	303-21 2A5 data link	AT-991AC-580-010	5838250		/ /	/ /	

B.10 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **OTPH 303B interface device and tested SRA's** using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	OTPH 303B interface device	AT-908GS-S92-400	78AHY00		/ /	*	/ /
A-2	303B-22 A2 harm relays	AW-640AC-740-000	74N1120		/ /	/ /	
A-3	303B-23 A7 up front	AE-005L0-670-000	67X2170		/ /	/ /	
A-4	303B-24 A2 rcvr xmtr d/c	AN-310AC-670-000	67X2200		/ /	/ /	
A-5	303B-25 A3 servo mod	A1-220AC-730-000	74X3230		/ /	/ /	
A-6	303B-26 A10 relay/drivers	AW-640AC-740-040	74N17A0		/ /	/ /	

B.10 (Continued)

TASK #	TASK DESCRIPTION	REFERENCES	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A-7	303B-27 A6 sparrow 1	AW-640AC-740-030	74N1560		/ /	/ /	
A-8	303B-28 A7 sparrow 2	AW-640AC-740-030	74N1570		/ /	/ /	
A-9	303B-29 A4 a/d mux	AW-640AC-740-040	74N1740		/ /	/ /	
A-10	303B-30 A1 analog dis	AW-640AC-740-020	74N1410		/ /	/ /	
A-11	303B-31 A2 seam	AW-640AC-740-020	74N1420		/ /	/ /	
A-12	303B-32 A2 sidewinder	AW-640AC-740-040	74N1720		/ /	/ /	
A-13	303B-33 A8 maverick	AW-640AC-740-040	74N1780		/ /	/ /	
A-14	303B-34 A14 walleye	AW-640AC-740-000	74N11E0		/ /	/ /	
A-15	303B-35 A73 post amp	AW-240AC-740-020	74D93U0		/ /	/ /	
A-16	303B-36 A77 scan	AW-240AC-740-020	74D93X0		/ /	/ /	
A-17	303B-37 A7A1 cam video	AW-240AC-740-020	74D9371		/ /	/ /	
A-18	303B-38 A74 vid aux	AW-240AC-740-020	74D93V0		/ /	/ /	
A-19	303B-39 A7A2 cam def	AW-240AC-740-020	74D9372		/ /	/ /	
A-20	303B-40 A75 bias reg	AW-240AC-740-020	74D93W0		/ /	/ /	
A-21	303B-41 A56 vid preamp	AW-240AC-740-020	74D93B0		/ /	/ /	
B	Troubleshooting and intermediate maintenance						
B-1	OTPH 303B interface device	AT-908GS-S92-400	78AHY00		/ /	* / /	
B-2	303B-22 A2 harm relays	AW-640AC-740-000	74N1120		/ /	/ /	
B-3	303B-23 A7 up front	AE-005L0-670-000	67X2170		/ /	/ /	
B-4	303B-24 A2 rcvr xmtr d/c	AN-310AC-670-000	67X2220		/ /	/ /	
B-5	303B-25 A3 servo mod	A1-220AC-730-010	74X3230		/ /	/ /	
B-6	303B-26 A10 relay/drivers	AW-640AC-740-040	74N17A0		/ /	/ /	
B-7	303B-27 A6 sparrow 1	AW-640AC-740-030	74N1560		/ /	/ /	
B-8	303B-28 A7 sparrow 2	AW-640AC-740-030	74N1570		/ /	/ /	
B-9	303B-29 A4 a/d mux	AW-640AC-740-040	74N1740		/ /	/ /	
B-10	303B-30 A1 analog dis	AW-640AC-740-020	74N1410		/ /	/ /	
B-11	303B-31 A2 seam	AW-640AC-740-020	74N1420		/ /	/ /	
B-12	303B-32 A2 sidewinder	AW-640AC-740-040	74N1720		/ /	/ /	
B-13	303B-33 A8 maverick	AW-640AC-740-040	74N1780		/ /	/ /	
B-14	303B-34 A14 walleye	AW-240AC-740-000	74N11E0		/ /	/ /	
B-15	303B-35 A73 post amp	AW-240AC-740-020	74D93U0		/ /	/ /	
B-16	303B-36 A77 scan	AW-240AC-740-020	74D93X0		/ /	/ /	
B-17	303B-37 A7A1 cam video	AW-240AC-740-020	74D9371		/ /	/ /	
B-18	303B-38 A74 vid aux	AW-240AC-740-020	74D93V0		/ /	/ /	
B-19	303B-39 A7A2 cam def	AW-240AC-740-020	74D9372		/ /	/ /	
B-20	303B-40 A75 bias reg	AW-240AC-740-020	74D93W0		/ /	/ /	
B-21	303B-41 A56 vid preamp	AW-240AC-740-020	74D93B0		/ /	/ /	

B.11 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the OTPH 304 interface device and tested SRA's using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	OTPH 304 interface device	AT-908GS-S92-300	78AHD00		/ /	* / /	
A-2	304-01 A1 analog 5	AN-330AC-570-000	57D9110		/ /	/ /	

B.11 (Continued)

TASK #	TASK DESCRIPTION	REFERENCES	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A-3	304-02 A2 analog 4	AN-330AC-570-000	57D9120	/ /	/ /	/ /	
A-4	304-03 A11 memory 1	AN-330AC-570-000	57D91B0	/ /	/ /	/ /	
A-5	304-04 A4 analog 2	AN-330AC-570-000	57D9140	/ /	/ /	/ /	
A-6	304-05 A6 multi interface	AN-330AC-570-000	57D9160	/ /	/ /	/ /	
A-7	304-06 A12 memory 2	AN-330AC-570-000	57D91C0	/ /	/ /	/ /	
A-8	304-07 A8 x-chan	AN-330AC-570-000	57D9180	/ /	/ /	/ /	
A-9	304-08 A10 cpu	AN-330AC-570-000	57D91A0	/ /	/ /	/ /	
A-10	304-09 A9 timing/discrete	AN-330AC-570-000	57D9190	/ /	/ /	/ /	
A-11	304-10 A7 analog I/O	AN-330AC-570-000	57D9170	/ /	/ /	/ /	
A-12	304-11 A19 crt analog 1	AN-330AC-570-000	57D91K0	/ /	/ /	/ /	
A-13	304-12 ps1	AN-330AC-570-000	8995	/ /	/ /	/ /	
B	Troubleshooting and Intermediate Maintenance						
B-1	OTPH 304 interface device	AT-908GS-S92-300	78AHD00	/ /	*	/ /	
B-2	304-01 A1 analog 5	AN-330AC-570-000	57D9110	/ /	/ /	/ /	
B-3	304-02 A2 analog 4	AN-330AC-570-000	57D9120	/ /	/ /	/ /	
B-4	304-03 A11 memory 1	AN-330AC-570-000	57D91B0	/ /	/ /	/ /	
B-5	304-04 A4 analog 2	AN-330AC-570-000	57D9140	/ /	/ /	/ /	
B-6	304-05 A6 multi interface	AN-330AC-570-000	57D9160	/ /	/ /	/ /	
B-7	304-06 A12 memory 2	AN-330AC-570-000	57D91C0	/ /	/ /	/ /	
B-8	304-07 A8 x-chan	AN-330AC-570-000	57D9180	/ /	/ /	/ /	
B-9	304-08 A10 cpu	AN-330AC-570-000	57D91A0	/ /	/ /	/ /	
B-10	304-09 A9 timing/discrete	AN-330AC-570-000	57D9190	/ /	/ /	/ /	
B-11	304-10 A7 analog I/O	AN-330AC-570-000	57D9170	/ /	/ /	/ /	
B-12	304-11 A19 crt analog 1	AN-330AC-570-000	57D91K0	/ /	/ /	/ /	
B-13	304-12 ps1	AN-330AC-570-000	89954	/ /	/ /	/ /	

B.12 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **OTPH 701 interface device and tested SRA's** using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	OTPH 701 interface device	AT-908AC-S74-200	78BP800	/ /	*	/ /	
A-2	701-02 A3 sdc processor	A1-750AC-580-000	5839130	/ /	/ /	/ /	
A-3	701-03 A7 vib/anlg	A1-750AC-580-000	5839170	/ /	/ /	/ /	
A-4	701-04 A5 post process	AW-640AC-740-020	742G340	/ /	/ /	/ /	
A-5	701-05 A1 power supply	A1-750AC-580-000	5893110	/ /	/ /	/ /	
A-6	701-06 A11 firm mem	AW-640AC-740-120	742G320	/ /	/ /	/ /	
A-7	701-07 A2 timing/control	AW-640AC-740-120	742G320	/ /	/ /	/ /	
A-8	701-08 A9 mem control	AW-640AC-740-120	742G470	/ /	/ /	/ /	
A-9	701-09 1A2 seam	AW-640AC-740-120	74N7420	/ /	/ /	/ /	
A-10	701-10 3A1/4A1 arm bus	AW-640AC-740-120	74N7510	/ /	/ /	/ /	
A-11	701-11 7A11 firm mem	AW-640AC-740-120	742G320	/ /	/ /	/ /	

B.12 (Continued)

TASK #	TASK DESCRIPTION	REFERENCES	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B	Troubleshooting and intermediate maintenance						
B-1	OTPH 701 interface device	AT-908AC-S74-200	78BP800		/ /	*	
B-2	701-02 A3 sdc processor	A1-750AC-580-000	5839130		/ /	/ /	
B-3	701-03 A7 vib/anlg	A1-750AC-580-000	5839170		/ /	/ /	
B-4	701-04 A5 post process	AW-640AC-740-020	742G340		/ /	/ /	
B-5	701-05 A1 power supply	A1-750AC-580-000	5839110		/ /	/ /	
B-6	701-06 A11 firm mem	AW-640AC-740-020	742G320		/ /	/ /	
B-7	701-07 A2 timing/control	AW-640AC-740-020	742G320		/ /	/ /	
B-8	701-08 A9 mem control	AW-640AC-740-020	742G470		/ /	/ /	
B-9	701-09 1A2 seam	AW-640AC-740-020	74N7420		/ /	/ /	
B-10	701-10 3A1/4A1 arm bus	AW-640AC-740-020	74N7510		/ /	/ /	
B-11	701-11 7A11 firm mem	AW-640AC-740-020	742G320		/ /	/ /	

B.13 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **OTPH 706 interface device and tested SRA's** using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	OTPH 706 interface device	AT 908AC-S74-210	78BPC00		/ /	*	
A-2	706-02 2A26 LVPS	AE-830AC-740-010	74623C0		/ /	/ /	
A-3	706-03 2A30 LVPS	AE-830AC-740-010	74623E0		/ /	/ /	
A-4	706-04 2A27 LVPS	AE-830AC-740-010	74623F0		/ /	/ /	
A-5	706-05 2A28 LVPS	AE-830AC-740-010	74623G0		/ /	/ /	
A-6	706-06 2A29 LVPS	AE-830AC-740-010	74623D0		/ /	/ /	
A-7	706-07 1A4 discrete A/B	AI-750AC-580-000	5839140		/ /	/ /	
B	Troubleshooting and intermediate maintenance						
B-1	OTPH 706 interface device	AT 908AC-S74-210	78BPC00		/ /	*	
B-2	706-02 2A26 LVPS	AE-830AC-740-010	74623C0		/ /	/ /	
B-3	706-03 2A30 LVPS	AE-830AC-740-010	74623E0		/ /	/ /	
B-4	706-04 2A27 LVPS	AE-830AC-740-010	74623F0		/ /	/ /	
B-5	706-05 2A28 LVPS	AE-830AC-740-010	74623G0		/ /	/ /	
B-6	706-06 2A29 LVPS	AE-830AC-740-010	74623D0		/ /	/ /	
B-7	706-07 1A4 discrete A/B	AI-750AC-580-000	5839140		/ /	/ /	

B.14 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **OTPH 707 interface device and tested SRA's** using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	OTPH 707 interface device	AT 908AC-S74-220	78PE00		/ /	/ /	
A-2	707-03 A13, 14, 15 disc mem	AE-830AC-740-010	74Q2310		/ /	/ /	
A-3	707-03 A17 timing/control	AE-830AC-740-010	74Q2360		/ /	/ /	
A-4	707-03 A22 mux	AE-830AC-740-010	74Q2380		/ /	/ /	
A-5	707-03 all data process	AE-830AC-740-010	74Q2350		/ /	/ /	
A-6	707-03 A21 input process	AE-830AC-740-010	74Q2320		/ /	/ /	
A-7	707-03 A12 timing/PLL	AE-830AC-740-010	74Q21L0		/ /	/ /	

B.14 (Continued)

TASK #	TASK DESCRIPTION	REFERENCES	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B	Troubleshooting and Intermediate Maintenance						
B-1	OTPH 707 interface device	AT 908AC-S74-220	78BPE00		/ /	* / /	
B-2	707-03 A13, 14, 15 disc mem	AE-830AC-740-010	74Q2310		/ /	/ /	
B-3	707-03 A17 timing/control	AE-830AC-740-010	74Q2360		/ /	/ /	
B-4	707-03 A22 mux	AE-830AC-740-010	74Q2380		/ /	/ /	
B-5	707-03 all data process	AE-830AC-740-010	74Q2350		/ /	/ /	
B-6	707-03 A21 input process	AE-830AC-740-010	74Q2320		/ /	/ /	
B-7	707-03 A12 timing/PLL	AE-830AC-740-010	74Q21L0		/ /	/ /	

B.15 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the OTPH 712 interface device and tested SRA's using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	OTPH 712 interface device	AT-908AC-S74-230	78AM000		/ /	* / /	
A-2	712-02 A2 I/O control	A1-220AC-730-220	73P1120		/ /	/ /	
A-3	712-03 drive assy	A1-220AC-730-220	73P1130		/ /	/ /	
A-4	712-04 A1 power supply	A1-220AC-730-220	73P1110		/ /	/ /	
A-5	712-05 A1 power supply	A1-750AC-580-010	5839310		/ /	/ /	
A-6	712-06 A2 pro/mem	A1-750AC-580-010	5839320		/ /	/ /	
A-7	712-07 A9, 16 cmt	AN-330AC-570-000	57D9190		/ /	/ /	
A-8	712-08 A19 vid switch	AN-330AC-570-000	74Y4WK0		/ /	/ /	
A-9	712-09 A8, 9 per I/O	A1-640AC-740-100	74Y4W80		/ /	/ /	
B	Troubleshooting and intermediate maintenance						
B-1	OTPH 712 interface device	AT-908AC-S74-230	78AM000		/ /	* / /	
B-2	712-02 A2 I/O control	A1-220AC-730-220	73P1120		/ /	/ /	
B-3	712-03 drive assy	A1-220AC-730-220	73P1130		/ /	/ /	
B-4	712-04 A1 power supply	A1-220AC-730-220	73P1110		/ /	/ /	
B-5	712-05 A1 power supply	A1-750AC-580-010	5839310		/ /	/ /	
B-6	712-06 A2 pro/mem	A1-750AC-580-010	5839320		/ /	/ /	
B-7	712-07 A9, 16 cmt	AN-330AC-570-000	57D9190		/ /	/ /	
B-8	712-08 A19 vid switch	A1-330AC-570-000	74Y4WK0		/ /	/ /	
B-9	712-09 A8, 9 per I/O	A1-640AC-740-100	74Y4W80		/ /	/ /	

B.16 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the OTPH 714 interface device and tested SRA's using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	OTPH 714 interface device	A1-220AC-730-030	73P1240		/ /	* / /	
A-2	714-02 A4 GP processor/memory	A1-220AC-730-030	73P1240		/ /	/ /	
A-3	714-03 A5 DSM overlay processor	A1-220AC-730-030	73P1250		/ /	/ /	
A-4	714-04 A7 ICDE/Cache memory	A1-220AC-730-030	73P1270		/ /	/ /	
A-5	714-05 A8 cache memory	A1-220AC-730-030	73P1280		/ /	/ /	
A-6	714-06 A11 Graphics controller	A1-220AC-730-030	73P12H0		/ /	/ /	

B.16 (Continued)

TASK #	TASK DESCRIPTION	REFERENCES	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A-7	714-07 A12 Image memory/master timer	A1-220AC-730-030	73P12C0		/ /	/ /	
A-8	714-08 A3 Micro controller	A1-220AC-730-030	73X3Q30		/ /	/ /	
A-9	714-09 A5 Interface	A1-220AC-730-030	748150		/ /	/ /	
B	Troubleshooting and intermediate maintenance						
B-1	OTPH 714 interface device	A1-220AC-730-030	73P1240		/ /	* / /	
B-2	714-02 A4 GP processor/memory	A1-220AC-730-030	73P1240		/ /	/ /	
B-3	714-03 A5 DSM overlay processor	A1-220AC-730-030	73P1250		/ /	/ /	
B-4	714-04 A7 ICDE/Cache memory	A1-220AC-730-030	73P1270		/ /	/ /	
B-5	714-05 A8 cache memory	A1-220AC-730-030	73P1280		/ /	/ /	
B-6	714-06 A11 Graphics controller	A1-220AC-730-030	73P12H0		/ /	/ /	
B-7	714-07 A12 Image memory/master timer	A1-220AC-730-030	73P12C0		/ /	/ /	
B-8	714-08 A3 Micro controller	A1-220AC-730-030	73X3Q30		/ /	/ /	
B-9	714-09 A5 Interface	A1-220AC-730-030	748150		/ /	/ /	

B.17 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the LOT 7 common assemblies using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	Common assemblies test fixture (CATF)	AT-908AC-S74-250	78BPA00		/ /	/ /	
A-2	Power supplies/resistors assy	AT-908AC-S74-240	78BP500		/ /	/ /	
A-3	Centrifugal fan assembly	AT-908AC-S74-240	78BP700		/ /	/ /	
A-4	Cable set	AT-908AC-S74-200	78BP600		/ /	/ /	
B	Troubleshooting and intermediate maintenance						
B-1	Common assemblies test fixture (CATF)	AT-908AC-S74-250	78BPA00		/ /	/ /	
B-2	Power supplies/resistors assy	AT-908AC-S74-240	78BP500		/ /	/ /	
B-3	Centrifugal fan assembly	AT-908AC-S74-240	78BP700		/ /	/ /	
B-4	Cable set	AT-908AC-S74-200	78BP600		/ /	/ /	

B.18 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the command launch computer using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	ON309 CLC WRA ID assy	NA16-50BAB-2-28-4	78AUX00		/ /	* / /	
A-2	MX18316 CLC SRA ID assy	NA16-50BAB-2-28-5	78AUY00		/ /	* / /	
A-3	A1 video processor	NA16-35CP1001A-1	74Y4P10		/ /	/ /	
A-4	A2 vector correlator	NA16-35CP1001A-1	74Y4P20		/ /	/ /	
A-5	A3 ram correlator	NA16-35CP1001A-1	74Y4P30		/ /	/ /	
A-6	A4 direct memory access	NA16-35CP1001A-1	74Y4P40		/ /	/ /	
A-7	A5 random access storage	NA16-35CP1001A-1	74Y4P50		/ /	/ /	
A-8	A6 memod	NA16-35CP1001A-1	74Y4P60		/ /	/ /	
A-9	A7 PGM/ELINT	NA16-35CP1001A-1	74Y4P70		/ /	/ /	
A-10	A8 micro circuit unit	NA16-35CP1001A-1	74Y4P80		/ /	/ /	

B.18 (Continued)

TASK #	TASK DESCRIPTION	REFERENCES	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A-11	A9 arithmetic processor unit	NA16-35CP1001A-1	74Y4P90		/ /	/ /	
A-12	A10 interrupt/timer	NA16-35CP1001A-1	74Y4PA0		/ /	/ /	
A-13	A11 system I/O	NA16-35CP1001A-1	74Y4PB0		/ /	/ /	
A-14	A12 MUX BUS I/O	NA16-35CP1001A-1	74Y4BC0		/ /	/ /	
A-15	Command launch computer WRA	NA16-35CP1001A-1	74Y4P00		/ /	/ /	
B	Troubleshooting and Intermediate Maintenance						
B-1	ON309 CLC WRA ID assy	NA16-50BAB-2-28-4	78AUX00		/ /	*	/ /
B-2	MX18316 CLC SRA ID assy	NA16-50BAB-2-28-5	78AUY00		/ /	*	/ /
B-3	A1 video processor	NA16-35CP1001A-1	74Y4P10		/ /	/ /	
B-4	A2 vector correlator	NA16-35CP1001A-1	74Y4P20		/ /	/ /	
B-5	A3 ram correlator	NA16-35CP1001A-1	74Y4P30		/ /	/ /	
B-6	A4 direct memory access	NA16-35CP1001A-1	74Y4P40		/ /	/ /	
B-7	A5 random access storage	NA16-35CP1001A-1	74Y4P50		/ /	/ /	
B-8	A6 memod	NA16-35CP1001A-1	74Y4P60		/ /	/ /	
B-9	A7 PGM/ELINT	NA16-35CP1001A-1	74Y4P70		/ /	/ /	
B-10	A8 micro circuit unit	NA16-35CP1001A-1	74Y4P80		/ /	/ /	
B-11	A9 arithmetic processor unit	NA16-35CP1001A-1	74Y4P90		/ /	/ /	
B-12	A10 interrupt/timer	NA16-35CP1001A-1	74Y4PA0		/ /	/ /	
B-13	A11 system I/O	NA16-35CP1001A-1	74Y4PB0		/ /	/ /	
B-14	A12 MUX BUS I/O	NA16-35CP1001A-1	74Y4BC0		/ /	/ /	
B-15	Command launch computer WRA	NA16-35CP1001A-1	74Y4P00		/ /	/ /	

B.19 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the Avionics test set, AN/USM-470 and OF-173/U MTE cart using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	OF-173/U MTE cart	AT-826HO-MIB-050	78AD0		/ /	/ /	
A-2	Simulator Controller Automatic Test Set (SCATS)	NA16-45-2100-40	78AD0		/ /	*	/ /
A-3	Delay generator BB 13	AT-824MO-B13-000	78MSQ00		/ /	/ /	
A-4	Synchro/resolver BB 31	AT-824MO-B31-000	78MT300		/ /	/ /	
A-5	ARB function generator	AT-824MO-B36-000	78MSY00		/ /	/ /	
A-6	DC power supply BB50	AT-824MO-B50-000	78MT600		/ /	/ /	
A-7	AC power supply BB55	AT-824MO-B55-000	78MSZ00		/ /	/ /	
A-8	Ratio transformer BB49	AT-824MO-B49-000	78MT400		/ /	/ /	
B	Intermediate maintenance						
B-1	OF-173/U MTE cart	AT-826HO-MIB-050	78AD0		/ /	/ /	

B.19 (Continued)

TASK #	TASK DESCRIPTION	REFERENCES	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B-2	Simulator Controller Automatic Test Set (SCATS)	NA16-45-2100-40	78AD0		/ /	*	/ /
B-3	Delay generator BB 13	AT-824MO-B13-000	78MSQ00		/ /	/ /	
B-4	ARB function generator	AT-824MO-B36-000	78MSY00		/ /	/ /	
B-5	Pulse generator BB40	AT-824MO-B40-000	78MSP00		/ /	/ /	
B-6	DC power supply BB50	AT-824MO-B50-000	78MT600		/ /	/ /	
B-7	AC power supply BB55	AT-824MO-B55-000	78MSZ00		/ /	/ /	
B-8	Ratio transformer BB49	AT-824MO-B49-000	78MT400		/ /	/ /	

B.20 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the
TPS 128SAV61508 and tested WRA's using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	TPS 128SAV61508 interface device	NA16-50BAB-2-28-1	78BD100		/ /	/ /	
A-2	Distat detector	NA16-45-1183	29A6E10		/ /	/ /	
A-3	Integ. Posit. Ind	NA16-45-1988-1-1	14C1100		/ /	/ /	
B	Troubleshooting and intermediate maintenance						
B-1	TPS 128SAV61508 interface device	NA16-50BAB-2-28-1	78BD100		/ /	/ /	
B-2	Distat detector	NA16-45-1183	29A6E10		/ /	/ /	
B-3	Integ. Posit. ind.	NA16-45-1988-1-1	14C1100		/ /	/ /	

B.21 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the
TPS 128SAV61740 and tested SRA's using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	TPS 128SAV61740	NA16-50BAB-2-28-10	78DD300		/ /	/ /	
A-2	Charge & regulator assy	NA16-35T1396-1	726L210		/ /	/ /	
A-3	CRT bias	NA16-35IP1342-1	726L212		/ /	/ /	
A-4	Logic & time delay	NA16-35T1396-1	7266570		/ /	/ /	
B	Troubleshooting and intermediate maintenance						
B-1	TPS 128SAV61740	NA16-50BAB-2-28-10	78BD300		/ /	/ /	
B-2	Charge & regulator assy	NA16-35T1396-1	726L210		/ /	/ /	
B-3	CRT bias	NA16-35IP1342-1	726L212		/ /	/ /	
B-4	Logic & time delay	NA16-35T1396-1	7266570		/ /	/ /	

B.22 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **TPS 128SAV61741 and tested SRA's** using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCES	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Principles of operation						
A-1	TPS 128SAV61741	NA16-50BAB-2-28	78BD400		/ /	/ /	
A-2	Video amp		726L540		/ /	/ /	
A-3	Sweep loss		726L520		/ /	/ /	
A-4	HV coupler		724EA50		/ /	/ /	
A-5	Sweep loss		724EA20		/ /	/ /	
A-6	Video amp		724EA40		/ /	/ /	
B	Troubleshooting and intermediate maintenance						
B-1	TPS 128SAV61741	NA16-50BAB-2-28	78BD400		/ /	/ /	
B-2	Video amp		726L540		/ /	/ /	
B-3	Sweep loss		726L520		/ /	/ /	
B-4	HV coupler		724EA50		/ /	/ /	
B-5	Sweep loss		724EA20		/ /	/ /	
B-6	Video amp		724EA40		/ /	/ /	

B.23 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **TPS 128SAV61742 and tested SRA's** using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	TPS 128SAV61742 interface device	NA16-50BAB-2-28-8	78BD500		/ /	/ /	
A-2	Intensity gate amp	NA16-35IP1342-1	726L530		/ /	/ /	
A-3	Deflection amp	NA16-35IP1342-1	726L5F0		/ /	/ /	
A-4	Sweep driver assy	NA16-35IP1342-1	724EA70		/ /	/ /	
A-5	Intensity gate amp	AW-640L0-740-110	724EA30		/ /	/ /	
B	Troubleshooting and Intermediate Maintenance				/ /	/ /	
B-1	TPS 128SAV61742 interface device	NA16-50BAB-2-28-8	78BD500				
B-2	Intensity gate amp	NA16-35IP1342-1	726L530		/ /	/ /	
B-3	Deflection amp	NA16-35IP1342-1	726L5F0		/ /	/ /	
B-4	Sweep driver assy	NA16-35IP1342-1	724EA70		/ /	/ /	
B-5	Intensity gate amp	AW-640L0-740-110	724EA30		/ /	/ /	

B.24 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **TPS 128SAV61743 and tested SRA's** using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	TPS 128SAV61743 interface device	NA16-50BAB-2-28-9	78BD600		/ /	/ /	
A-2	PHD erase pulse gen.	NA16-35IP1060A-1	724EA10		/ /	/ /	
B	Troubleshooting and intermediate maintenance						
B-1	TPS 128SAV61743 interface device	NA16-50BAB-2-28-9	78BD600		/ /	/ /	
B-2	PHD erase pulse gen.	NA16-35IP1060A-1	724EA10		/ /	/ /	

B.25 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **TPS 128SAV61930 and tested SRA's** using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCES	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Principles of operation						
A-1	TPS 128SAV61930 interface device	NA16-50BAB-2-28-2	72BC100	72BC100	/ /	/ /	
A-2	Sweep gen. assy	NA16-3501776-1	726L370	726L370	/ /	/ /	
A-3	Sweep switch assy	NA16-3501776-1	726L380		/ /	/ /	
A-4	Sweep demod. assy	NA16-3501776-1	726L360		/ /	/ /	
A-5	Video switch assy	NA16-3501776-1	726L3A0		/ /	/ /	
B	Troubleshooting and intermediate maintenance						
B-1	TPS 128SAV61930 interface device	NA16-50BAB-2-28-2	72BC100		/ /	/ /	
B-2	Sweep gen. assy	NA16-3501776-1	726L370		/ /	/ /	
B-3	Sweep switch assy	NA16-3501776-1	726L380		/ /	/ /	
B-4	Sweep demod. assy	NA16-3501776-1	726L360		/ /	/ /	
B-5	Video switch assy	NA16-3501776-1	726L3A0		/ /	/ /	

B.26 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the **TPS 1128SAV49460 and tested SRA's** using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	TPS 1128SAV4940 interface device	NA17-15FBA-518.1	76RH100		/ /	/ /	
A-2	Synchro & input /1203P7	NA17-15FBA-520.1	769A870		/ /	/ /	
A-3	Synchro input /1203P8	NA17-15FBA-520.1	769A890		/ /	/ /	
A-4	Discretes /1203P10	NA17-15FBA-520.1	769A8U0		/ /	/ /	
A-5	Central processor analog /1203P13	NA16-35CV2434-1	769A840		/ /	/ /	
A-6	Dual synchro pwr output 1 /1203P21	NA17-FBA-520.1	769A8B0		/ /	/ /	
A-7	Dual synchro pwr output 2 /1203P22	NA17-FBA-520.1	769A8S0		/ /	/ /	
A-8	High pwr synchro output /1203P26	NA17-FBA-520.1	769A810		/ /	/ /	
A-9	Self test & strobe gen /1203P112	NA16-35CV2434-1	769A8A0		/ /	/ /	
A-10	DC output 1 /1203P26	NA17-FBA-520.1	769A8Q0		/ /	/ /	
A-11	DC output 2 /1203P26	NA17-FBA-520.1	769A8H0		/ /	/ /	
A-12	D/A self test 2 /1203P119	NA17-FBA-520.1	769A880		/ /	/ /	
A-13	AC output /1203P120	NA17-FBA-520.1	769A8E0		/ /	/ /	
A-14	Synchro output 1 /1203P123	NA17-FBA-520.1	769A8W0		/ /	/ /	
A-15	Synchro output 2 /1203P26	NA17-FBA-520.1	769A8G0		/ /	/ /	
A-16	Synchro output 3 /1203P125	NA17-FBA-520.1	769A8J0		/ /	/ /	
A-17	Synchro output 1 high accuracy /1203P127	NA17-FBA-520.1	769A8V0		/ /	/ /	
A-18	D/A self test 2 /1203P219	NA17-FBA-520.1	769A880		/ /	/ /	
B	Troubleshooting and Intermediate Maintenance						
B-1	TPS 1128SAV4940 interface device	NA17-15FBA-518.1	76RH100		/ /	/ /	
B-2	Synchro & input /1203P7	NA17-FBA-520.1	769A870		/ /	/ /	
B-3	Synchro input /1203P8	NA17-FBA-520.1	769A890		/ /	/ /	
B-4	Discretes /1203P10	NA17-FBA-520.1	769A8U0		/ /	/ /	
B-5	Central processor analog /1203P13	NA16-35CV2434-1	769A840		/ /	/ /	
B-6	Dual synchro pwr output 1 /1203P21	NA17-FBA-520.1	769A8B0		/ /	/ /	

B.26 (Continued)

TASK #	TASK DESCRIPTION	REFERENCES	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B-7	Dual synchro pwr output 2 /1203P22	NA17-FBA-520.1	769A8S0		/ /	/ /	
B-8	High pwr synchro output /1203P26	NA17-FBA-520.1	769A8I0		/ /	/ /	
B-9	Self test & strobe gen /1203P112	NA16-35CV2434-1	769A8A0		/ /	/ /	
B-10	DC output 1 /1203P26	NA17-FBA-520.1	769A8Q0		/ /	/ /	
B-11	DC output 2 /1203P26	NA17-FBA-520.1	769A8H0		/ /	/ /	
B-12	D/A self test 2 /1203P119	NA17-FBA-520.1	769A880		/ /	/ /	
B-13	AC output /1203P120	NA17-FBA-520.1	769A8E0		/ /	/ /	
B-14	Synchro output 1 /1203P123	NA17-FBA-520.1	769A8W0		/ /	/ /	
B-15	Synchro output 2 /1203P26	NA17-FBA-520.1	769A8G0		/ /	/ /	
B-16	Synchro output 3 /1203P125	NA17-FBA-520.1	769A8J0		/ /	/ /	
B-17	Synchro output 1 high accuracy /1203P127	NA17-FBA-520.1	769A8V0		/ /	/ /	
B-18	D/A self test 2 /1203P219	NA17-FBA-520.1	769A880		/ /	/ /	

B.27 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the TPS 1128SAV49515 and tested SRA's using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	TPS 1128SAV49515 interface device	NA17-15FBA-518.1	76RJ200		/ /	/ /	
A-2	Antenna drive assy A9	NA17-15FBA-520.1	729D190		/ /	/ /	
A-3	Control bit electronic assy A4	NA17-15FBA-520.1	729C140		/ /	/ /	
A-4	Electronic control amp A7	NA17-15FBA-520.1	721C70		/ /	/ /	
B	Troubleshooting and intermediate						
B-1	TPS 1128SAV49515 interface device	NA17-15FBA-518.1	76RJ200		/ /	/ /	
B-2	Antenna drive assy A9	NA17-15FBA-520.1	729D190		/ /	/ /	
B-3	Control bit electronic assy A4	NA17-15FBA-520.1	729C140		/ /	/ /	
B-4	Electronic control amp A7	NA17-15FBA-520.1	721C70		/ /	/ /	

B.28 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the TPS 1128SAV49600 and tested SRA's using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	TPS 1128SAV49600 interface device	NA17-15FBA-518.1	76RJ300		/ /	/ /	
A-2	Difference amplifier	NA17-15FBA-520.1	769KSG0		/ /	/ /	
A-3	Fine direction A/D converter (AV8)	NA17-15FBA-520.1	769K3N0		/ /	/ /	
A-4	Video pre-amplifier (AV8)	NA17-15FBA-520.1	7691J10		/ /	/ /	
A-5	Vertical deflection amplifier	NA17-15FBA-520.1	7691J40		/ /	/ /	
A-6	Horizontal deflection amplifier	NA17-15FBA-520.1	7691J60		/ /	/ /	
A-7	Pulse width sweep generator	NA17-15FBA-520.1	7691J20		/ /	/ /	
A-8	PRF sweep generator	NA17-15FBA-520.1	7691J30		/ /	/ /	
A-9	I and S amplifier	NA17-15FBA-520.1	7691J50		/ /	/ /	
B	Troubleshooting and intermediate maintenance						
B-1	TPS 1128SAV49600 interface device	NA17-15FBA-518.1	76RJ300		/ /	/ /	
B-2	Difference amplifier	NA17-15FBA-520.1	769KSG0		/ /	/ /	

B.28 (Continued)

TASK #	TASK DESCRIPTION	REFERENCES	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B-3	Fine direction A/D converter (AV8)	NA17-15FBA-520.1	769K3N0		/ /	/ /	
B-4	Video pre-amplifier (AV8)	NA17-15FBA-520.1	7691J10		/ /	/ /	
B-5	Vertical deflection amplifier	NA17-15FBA-520.1	7691J40		/ /	/ /	
B-6	Horizontal deflection amplifier	NA17-15FBA-520.1	7691J60		/ /	/ /	
B-6	Pulse width sweep generator	NA17-15FBA-520.1	7691J20		/ /	/ /	
B-8	PRF sweep generator	NA17-15FBA-520.1	7691J30		/ /	/ /	
B-9	I and S amplifier	NA17-15FBA-520.1	7691J50		/ /	/ /	

B.29 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate maintenance on the TPS 1128SAV50065 and tested SRA's using appropriate maintenance procedures and support/test equipment.

A	Principles of operation						
A-1	TPS 1128SAV50065 interface device	NA17-15FBA-518.1	76R1J100		/ /	/ /	
A-2	Output driver gating amplifier	NA17-15FBA-520.1			/ /	/ /	
A-3	Bit logic	NA17-15FBA-520.1	7693G2D		/ /	/ /	
A-4	Radiate control	NA17-15FBA-520.1	7693240		/ /	/ /	
A-5	Low voltage turn on	NA17-15FBA-520.1	7693230		/ /	/ /	
A-6	High voltage reset	NA17-15FBA-520.1	76932A0		/ /	/ /	
A-7	VSWR monitor & AGC	NA17-15FBA-520.1	76932G0		/ /	/ /	
A-8	Final RF amp control	NA17-15FBA-520.1	76931K0		/ /	/ /	
A-9	Input driver gating amp	NA17-15FBA-520.1	76931C0		/ /	/ /	
B	Troubleshooting and Intermediate Maintenance						
B-1	TPS 1128SAV50065 interface device	NA17-15FBA-518.1	76RJ100		/ /	/ /	
B-2	Output driver gating amplifier	NA17-15FBA-520.1			/ /	/ /	
B-3	Bit logic	NA17-15FBA-520.1	7693G2D		/ /	/ /	
B-4	Radiate control	NA17-15FBA-520.1	7693240		/ /	/ /	
B-5	Low voltage turn on	NA17-15FBA-520.1	7693230		/ /	/ /	
B-6	High voltage reset	NA17-15FBA-520.1	76932A0		/ /	/ /	
B-7	VSWR monitor & AGC	NA17-15FBA-520.1	76932G0		/ /	/ /	
B-8	Final RF amp control	NA17-15FBA-520.1	76931K0		/ /	/ /	
B-9	Input driver gating amp	NA17-15FBA-520.1	76931C0		/ /	/ /	

APPENDIX A

INDIVIDUAL EXPERIENCE DATA SHEET

INDIVIDUAL DATA

NAME: _____

SSN: _____

FORMAL SCHOOLS

SCHOOLS NAME

DATE COMPLETED

UNIT EXPERIENCE DATA

UNIT SHOP BILLET FROM/TO DATES

COMMENTS:

ITSS (MATMEP) 600 DIVISION (WC 69A)

APPENDIX C

WORK CENTER SUMMARY
HYBRID TEST SET TECHNICIAN (HTS) (MOS 6461)

WORK CENTER NAME/NUMBER: _____

NAME/MOS	LEVEL	A.1	A.2	B.1	B.2	B.3	B.4	B.5	B.6	B.7	B.8	B.9	B.10	B.11	B.12
	II		XXXX	XXXX		XXXX									
	III														
	IV														
	II	XXXX	XXXX			XXXX									
	III														
	IV														
	II	XXXX	XXXX			XXXX									
	III														
	IV														
	II	XXXX	XXXX			XXXX									
	III														
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	II	XXXX	XXXX			XXXX									
	III														
	IV														
	II	XXXX	XXXX			XXXX									
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	IV														
	II	XXXX	XXXX			XXXX									
	III														
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	II	XXXX	XXXX			XXXX									
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	II	XXXX	XXXX			XXXX									
	III														
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	II	XXXX	XXXX			XXXX									
	III														
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	II	XXXX	XXXX			XXXX									
	III														
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	II	XXXX	XXXX			XXXX									
	III														
	IV														
	II	XXXX	XXXX			XXXX									
	III														
	IV														
	II	XXXX	XXXX			XXXX									
	III														
	IV														
	II	XXXX	XXXX			XXXX									
	III														
	IV														

ITSS (MATMEP) 600 DIVISION (WC 69A)

APPENDIX C

WORK CENTER SUMMARY
HYBRID TEST TECHNICIAN (HTS)(MOS 6461)

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	B.25	B.26
	II	XXXX													
	III					XXXX			XXXX						
	IV														
	II	XXXX													
	III					XXXX			XXXX						
	IV														
	II	XXXX													
	III					XXXX			XXXX						
	IV														
	II	XXXX													
	III					XXXX			XXXX						
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	IV														
	II	XXXX													
	III					XXXX			XXXX						
	IV														
	II	XXXX													
	III					XXXX			XXXX						
	IV														
	II	XXXX													

APPENDIX C

WORK CENTER SUMMARY
HYBRID TEST SET TECHNICIAN (HTS) (MOS 6461)

WORK CENTER NAME/NUMBER: _____

NAME/MOS	LEVEL	B.27	B.28	B.29
	II	XXXX	XXXX	XXXX
	III	XXXX	XXXX	XXXX
	IV			
	II	XXXX	XXXX	XXXX
	III	XXXX	XXXX	XXXX
	IV			
	II	XXXX	XXXX	XXXX
	III	XXXX	XXXX	XXXX
	IV			
	II	XXXX	XXXX	XXXX
	III	XXXX	XXXX	XXXX
	IV			
	II	XXXX	XXXX	XXXX
	III	XXXX	XXXX	XXXX
	IV			
	II	XXXX	XXXX	XXXX
	III	XXXX	XXXX	XXXX
	IV			
	II	XXXX	XXXX	XXXX
	III	XXXX	XXXX	XXXX
	IV			
	II	XXXX	XXXX	XXXX
	III	XXXX	XXXX	XXXX
	IV			
	II	XXXX	XXXX	XXXX
	III	XXXX	XXXX	XXXX
	IV			
	II	XXXX	XXXX	XXXX
	III	XXXX	XXXX	XXXX
	IV			
	II	XXXX	XXXX	XXXX
	III	XXXX	XXXX	XXXX
	IV			

ITSS (MATMEP) 600 DIVISION (WC 69A)

APPENDIX D

SUPPORT EQUIPMENT LICENSING RECORD

SUPPORT EQUIPMENT NOMENCLATURE	REFERENCE	PHASE I	PHASE II	LICENSED	EXPIRATION

NAME/SSN: _____

RANK: _____

MOS: _____

DATE: August 2002