

DUTY AREA
AIRCRAFT COMMUNICATIONS/NAVIGATION/ELECTRICAL SYSTEMS TECHNICIAN (MOS 6322)

A. GENERAL, OPERATIONAL AND SAFETY DUTIES

1. Operates and maintains applicable shop Support/special equipment.
2. Demonstrates/applies applicable Safety precautions and procedures around the helicopter and work center.
3. Demonstrates/applies knowledge of applicable Helicopter publications, diagrams, sketches and drawings.
(# Reference applicable to HH-46D (SR&M) only)
4. Performs tasks on the helicopter using applicable Precision measuring equipment.

B. SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES

1. Performs Required scheduled/unscheduled inspections on applicable systems/components as per Maintenance Requirement Cards.
2. Incorporates applicable Technical Directives changes/bulletins.
3. Demonstrates/applies knowledge of the principles of wire repair and performs applicable organizational level maintenance on the Helicopter wiring using appropriate maintenance procedures and support/test equipment.
4. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the ICS system, AN/AIC-14 using appropriate maintenance procedures and support/test equipment.
5. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the UHF/VHF/FM system, AN/ARC-182/210 using appropriate maintenance procedures and support/test equipment.
6. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the HF system, AN/ARC-94 using appropriate maintenance procedures and support/test equipment.
7. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the IFF system, AN/APX-72 using appropriate maintenance procedures and support/test equipment.
8. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Secure voice system, KY-58 using appropriate maintenance procedures and support/test equipment.
9. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Navigation indication system using appropriate maintenance procedures and support/test equipment.
10. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Attitude indicating systems using appropriate maintenance procedures and support/test equipment.
11. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the ADF system, AN/ARN-59 using appropriate maintenance procedures and support/test equipment.
12. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the UHF/DF system, AN/ARA-25 using appropriate maintenance procedures and support/test equipment.
13. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the TACAN system, AN/ARN-118 using appropriate maintenance procedures and support/test equipment.
14. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Radar altimeter system, AN/APN-171 using appropriate maintenance procedures and support/test equipment.

MOS 6322 (Continued)

15. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Attitude Heading Reference System (AHRS) using appropriate maintenance procedures and support/test equipment.
16. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Electrical power supply system using appropriate maintenance procedures and support/test equipment.
17. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Direct current electrical system using appropriate maintenance procedures and support/test equipment.
18. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Auxiliary Power Plant/Auxiliary Power Unit (APP/APU), electrical power system using appropriate maintenance procedures and support/test equipment.
19. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Panels/control system using appropriate maintenance procedures and support/test equipment.
20. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Lighting systems using appropriate maintenance procedures and support/test equipment.
21. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Automatic flight control system using appropriate maintenance procedures and support/test equipment.
22. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Turbo shaft engine systems using appropriate maintenance procedures and support/test equipment.
23. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Power plant systems using appropriate maintenance procedures and support/test equipment.
24. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Fuel system using appropriate maintenance procedures and support/test equipment.
25. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Rotor system using appropriate maintenance procedures and support/test equipment.
26. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Drive system using appropriate maintenance procedures and support/test equipment.
27. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Heating system using appropriate maintenance procedures and support/test equipment.
28. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Miscellaneous utilities systems using appropriate maintenance procedures and support/test equipment.
29. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Instrument system using appropriate maintenance procedures and support/test equipment.
30. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Cruise guide indicating system using appropriate maintenance procedures and support/test equipment.
31. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Hydraulic pressure indicating systems using appropriate maintenance procedures and support/test equipment.
32. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Low Altitude Warning System (LAWS) using appropriate maintenance procedures and support/test equipment.
33. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Helicopter Emergency Egress Lighting (HEELS) using appropriate maintenance procedures and support/test equipment.

MOS 6322 (Continued)

34. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the CNCS system using appropriate maintenance procedures and support/test equipment.
35. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Underwater acoustic beacon using appropriate maintenance procedures and support/test equipment.

CH-46E (SR&M)

36. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Radar warning system, AN/APR-39 using appropriate maintenance procedures and support/test equipment
37. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the AN/ALE-39 system using appropriate maintenance procedures and support/test equipment.
38. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Missile warning system, AAR-47, using appropriate maintenance procedures and support/test equipment.
39. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Infrared jamming system, AN/ALQ-157, using appropriate maintenance procedures and support/test equipment.

HH-46D (SR&M)

40. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Loud hailer system using appropriate maintenance procedures and support/test equipment.
41. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Doppler system, AN/APN-182(V) using appropriate maintenance procedures and support/test equipment.
42. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the MA-1 compass gyro system using appropriate maintenance procedures and support/test equipment.
43. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Power plant systems 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 NAMTRA MARUNIT/ "C" school. Other task in Level II not indicated with an asterisk will be signed off when exposed to the individual for the first time. All subsequent training in which the Marine performs after initial exposure should be annotated on the OPNAV 4790/33 form until he\she is signed off in level III.

LEVEL III: An asterisk in level III indicates the task is considered training essential. A sign-off in Level III indicates the Marine can perform that task w/o supervision. The unit is responsible for these sign-offs.

LEVEL IV: Used by the unit to indicate an individual is advanced in technical and supervisory functions. Prior to sign-off, all training essential and training optional task in level III must be signed-off. Only one sign-off for the duty area is required.

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

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

INDIVIDUAL DUTY AREA QUALIFICATION SUMMARY
AIRCRAFT COMMUNICATIONS/NAVIGATION/ELECTRICAL SYSTEMS TECHNICIAN (MOS 6322)

NAME/SSN _____	Granted MOS 6321 _____ /	Level II Completed _____ /	_____ /
	Granted MOS 6322 _____ /	Level III Completed _____ /	_____ /
		Level IV Completed _____ /	_____ /

DUTY #	DUTY DESCRIPTION	LEVEL I DATE / SIGN	LEVEL II DATE / SIGN	LEVEL III DATE / SIGN	LEVEL IV DATE / SIGN
A. GENERAL, OPERATIONAL AND SAFETY DUTIES		XX	XX	XX	XX
A.1 SUPPORT/SPECIAL EQUIPMENT		/	/	/	/
A.2 SAFETY PRECAUTIONS AND PROCEDURES AROUND THE HELICOPTER AND WORK CENTER		XXXXXXXXXXXXXXXXXXXX	/	/	/
A.3 HELICOPTER PUBLICATIONS, DIAGRAMS, SKETCHES AND DRAWINGS		/		/	/
A.4 PRECISION MEASURING EQUIPMENT		/	/	/	/
B. SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES		XX	XX	XX	XX
B.1 SCHEDULED/UNSCHEDULED INSPECTIONS		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.2 TECHNICAL DIRECTIVES CHANGES/BULLETINS		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.3 HELICOPTER WIRING		/	/	/	/
B.4 ICS SYSTEM, AN/AIC-14		/	/	/	/
B.5 UHF/VHF/FM SYSTEM, AN/ARC-182/210		/	/	/	/
B.6 HF SYSTEM AN/ARC-94		/	/	/	/
B.7 IFP SYSTEM, AN/APX-72		/	/	/	/
B.8 SECURE VOICE SYSTEM, KY-58		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.9 NAVIGATION INDICATION SYSTEM		XXXXXXXXXXXXXXXXXXXX	/	/	/
B.10 ATTITUDE INDICATING SYSTEMS		XXXXXXXXXXXXXXXXXXXX	/	/	/
B.11 ADF SYSTEM, AN/ARN-59		/	/	/	/
B.12 UHF/DF SYSTEM, AN/ARA-25		/	/	/	/
B.13 TACAN SYSTEM, AN/ARN-118		/	/	/	/
B.14 RADAR ALTIMETER SYSTEM, AN/APN-171		/	/	/	/
B.15 ATTITUDE HEADING REFERENCE SYSTEM (AHRS)		XXXXXXXXXXXXXXXXXXXX	/	/	/
B.16 ELECTRICAL POWER SUPPLY SYSTEM		XXXXXXXXXXXXXXXXXXXX	/	/	/
B.17 DIRECT CURRENT ELECTRICAL SYSTEM		/	/	/	/
B.18 AUXILIARY POWER PLANT/AUXILIARY POWER UNIT (APP/APU), ELECTRICAL POWER SYSTEM		XXXXXXXXXXXXXXXXXXXX	/	/	/
B.19 PANELS/CONTROLS SYSTEM		XXXXXXXXXXXXXXXXXXXX	/	/	/
B.20 LIGHTING SYSTEMS		XXXXXXXXXXXXXXXXXXXX	/	/	/
B.21 AUTOMATIC FLIGHT CONTROL SYSTEM		/	/	/	/
B.22 TURBO SHAFT ENGINE SYSTEMS		XXXXXXXXXXXXXXXXXXXX	/	/	/
B.23 POWER PLANT SYSTEMS		XXXXXXXXXXXXXXXXXXXX	/	/	/
B.24 FUEL SYSTEM		XXXXXXXXXXXXXXXXXXXX	/	/	/
B.25 ROTOR SYSTEM		XXXXXXXXXXXXXXXXXXXX	/	/	/
B.26 DRIVE SYSTEM		XXXXXXXXXXXXXXXXXXXX	/	/	/

IQS, MOS 6322 (Continued)

DUTY #	DUTY DESCRIPTION	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
		DATE / SIGN	DATE / SIGN	DATE / SIGN	DATE / SIGN
B.27	HEATING SYSTEM	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.28	MISCELLANEOUS UTILITIES SYSTEMS	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.29	INSTRUMENT SYSTEM	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.30	CRUISE GUIDE INDICATING SYSTEM	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.31	HYDRAULIC PRESSURE INDICATING SYSTEMS	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.32	LOW ALTITUDE WARNING SYSTEM (LAWS)	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.33	HELICOPTER EMERGENCY EGRESS LIGHTING (HEELS)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.34	CNCS SYSTEM	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.35	UNDERWATER ACOUSTIC BEACON	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/

CH-46E (SR&M)

B.36	RADAR WARNING SYSTEM, AN/APR-39	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.37	AN/ALE-39 SYSTEM	XXXXXXXXXXXXXXXXXXXX	/	/	/
B.38	MISSILE WARNING SYSTEM, AAR-47	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.39	INFRARED JAMMING SYSTEM, AN/ALQ-157	XXXXXXXXXXXXXXXXXXXX	/	/	/

HH-46D (SR&M)

B.40	LOUD HAILER SYSTEM	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.41	DOPPLER SYSTEM, AN/APN-183 (V)	/	XXXXXXXXXXXXXXXXXXXX	/	/
B.42	MA-1 COMPASS GYRO SYSTEM	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/
B.43	POWER PLANT SYSTEMS	XXXXXXXXXXXXXXXXXXXX	/	/	/

INDIVIDUAL QUALIFICATION RECORD
AIRCRAFT COMMUNICATIONS/NAVIGATION/ELECTRICAL SYSTEMS TECHNICIAN (MOS 6322)

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	Aircraft maintenance platforms, B-1, B-2, B-4 & B-5A	NA 19-600-19-6-1		/ /	* / /	
B	Aircraft tow bar, NT-4	NA 19-600-175-6-1		/ /	* / /	
C	Environmental wire repair kit	NA 01-1A-505 A1-H46AE-WDM-000	*	* / /	* / /	
D	Environmental connector repair kit	NA 01-1A-505 A1-H46AE-WDM-000		* / /	* / /	

A.2 Demonstrates/applies applicable Safety precautions and procedures around the helicopter and work center.
(# Reference applicable to HH-46D (SR&M) only)

A	Ground occupational safety & health programs in specific areas					
A-1	Composite material safety	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1		/ /	/ /	
A-2	Safety precautions when handling cartridge actuated devices (CADS)	NA 11-100-1.1	*	/ /	* / /	
B	Precautions & procedures on/around helicopters & support equipment					
B-1	APU pre-flight/start procedures	A1-H46AE-GAI-000 Local Instr	*	/ /	* / /	
B-2	Safety procedures when washing helicopter	A1-H46AE-GAI-000 NA 01-1A-509 Local Instr	*	/ /	/ /	
B-3	Safety procedures on/near ECM	A1-H46AE-GAI-000 Local Instr	*	/ /	/ /	
B-4	Shipboard/flight deck safety	NA-1A-NAOSH-SAF-000 Local Instr		/ /	* / /	
C	Line emergency procedures					
C-1	Types of fire extinguishers	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1		/ /	* / /	
C-2	Emergency egress procedures	A1-H46AE-NFM-000		/ /	* / /	
C-3	Fire fighting			/ /	/ /	
C-3.1	Proper extinguishing for rotor brake fire	A1-H46AE-GAI-000		/ /	* / /	
C-3.2	Proper extinguishing for engine fire	A1-H46AE-GAI-000		/ /	* / /	

DA A.2 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C-3.3	Proper extinguishing for APU fire	A1-H46AE-GAI-000		/ /	*	/ /
C-4	Emergency hand signals	NWP 52 NATOPS Manuals		/ /	*	/ /
D	Emergency reclamation	OPNAVINST 4790.2 NA 01-1A-509 NA 16-1-540 Local Instr				
E	Search and Rescue (SAR) Requirements					
E-1	Safety precautions around night sun search light	Local Instr#		/ /	/ /	/ /

A.3 Demonstrates/applies knowledge of applicable Helicopter publications, diagrams, sketches and drawings.
 (# Reference applicable to HH-46D (SR&M) only)

A	Naval Aviation Maintenance Program, (NAMP)	OPNAVINST 4790.2 series	*	/ /	*	/ /
B	Naval Air Systems Command Technical Manual Program	NA 00-25-100		/ /	*	/ /
C	Aircraft Cleaning & Corrosion Control Manual	NA 01-1A-509		/ /	*	/ /
D	Avionics Cleaning & Corrosion Control Manual	NA 16-1-540		/ /	*	/ /
E	Support Equipment Corrosion Control Manual	NA 17-1-125		/ /	*	/ /
F	Preservation of Naval Aircraft	NA 15-01-500		/ /	*	/ /
G	Preservation of Aircraft Engines Manual	NA 15-02-500		/ /	/	/
H	Aviation Hydraulics Manual	NA 01-1A-17		/ /	*	/ /
I	Structural Hardware Manual	NA 01-1A-8		/ /	*	/ /
J	NATOPS Flight Manual	A1-H46AE-NFM-000 A1-H46AD-NFM-000#		/ /	*	/ /
K	Occupational Safety & Health Administration Manual	OSHA 29 CFR 1910		/ /	/	/
L	Safety Requirement for Naval Aviation Shore Activities	NAVAIR A1-NAOSH-SAF-000/P5100-1		/ /	/	/
M	Work Unit Code Manual	NA 01-250HD-8	*	*	*	/ /
N	Numerical Index	A1-H46AE-IDX-000		*	*	/ /
O	General Aircraft Information & Special Support Equipment Manuals	A1-H46AE-GAI-000		*	*	/ /
P	Maintenance Instruction Manuals W/ IPB's					
P-1	Airframes Group w/IPB	A1-H46AE-110-000	*	/ /	/	/
P-1.1	Flight Control Systems w/IPB	A1-H46AE-140-000	*	/ /	/	/
P-1.2	Rotor Systems w/ IPB	A1-H46AE-150-000	*	/ /	/	/
P-1.3	Fiberglass Rotor Blades w/IPB	A1-H46AE-150-200		/ /	/	/
P-1.4	DCU rotor systems w/IPB	A1-H46AE-150-300	*	/ /	*	/ /
P-1.5	Power Plants & Related Systems w/IPB	A1-H46AE-220-010 A1-H46AE-220-000#		*	*	/ /
P-1.6	Drive Systems w/IPB	A1-H46AE-260-000		*	/	/

DA A.3 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
P-1.7	Utility Systems & Equipment w/IPB	A1-H46AE-400-000	*	/ /	/ /	
P-1.8	Hydraulic Systems w/IPB	A1-H46AE-450-000	*	/ /	/ /	
P-1.9	Electrical Systems w/IPB	A1-H46AE-420-000	*	/ /	/ /	
P-1.10	Instrument Systems w/IPB	A1-H46AE-500-000	*	/ /	/ /	
P-1.11	Navigation Systems w/IPB	A1-H46AE-560-000	*	/ /	/ /	
P-1.12	Automatic Flight Controls w/IPB	A1-H46AE-570-000	*	/ /	/ /	
P-1.13	Communication Systems w/IPB	A1-H46AE-600-000 A1-H46AE-600-100				
P-1.14	Communication Navigation Control System w/IPB	A1-H46AE-600-100	*	/ /	/ /	
P-1.15	Armament Systems Manual	A1-H46AE-750-000		/ /	/ /	
P-1.16	Electronic Countermeasures Systems w/IPB	A1-H46AE-760-000	*	/ /	/ /	
Q	Maintenance Requirement Cards (MRC's)	A1-H46AE-MRC-000 A1-H46AE-MRC-100 A1-H46AE-MRC-300 A1-H46AE-MRC-350 A1-H46AE-MRC-400				
R	Structural Repair & Corrosion Control Manual	A1-H46AE-SRM-000		/ /	*	/ /
S	H-46 Vibration Analysis Manual	A1-H46AE-VAM-000		/ /	*	/ /
T	Wiring Data & Diagrams Manual	A1-H46AE-WDM-020 A1-H46AE-WDM-025	*	*	/ /	
U	Connector Repair Manual	A1-H46AE-WCR-000	*	*	/ /	
V	Wiring Repair Manual	NA 01-1A-505series	*	*	/ /	
W	Engine IPB, T58-16	NA 02B-105AHE-4		/ /	*	/ /

A.4 Performs tasks on the helicopter using applicable Precision measuring equipment. (# Reference applicable to HH-46D (SR&M) only)

A	Operates torque calibration test set #	A1-H46AE-220-000		/ /	*	/ /	
B	Operates torque test set, A02G&015-2	A1-H46AE-220-010		/ /	*	/ /	
C	Operates TACAN test set, AN/ASM-663	A1-H46AE-560-000		/ /	*	/ /	
D	Operates AFCS line test set, A02G&060-2	A1-H46AE-570-000	*	/ /	*	/ /	
E	Operates extensible link actuator test set	A1-H46AE-570-000		/ /	*	/ /	
F	Operates air data test set, TS-4508/U	A1-H46AE-570-000		/ /		/ /	
G	Operates transponder test set, AN/APM-378/424/480	A1-H46AE-600-100		/ /	*	/ /	
H	Operates countermeasures dispenser test set, AN/ALM-164	A1-H46AE-760-000		/ /		/ /	
I	Operates simulator, radar signal test set, SM-674/UPM	A1-H46AE-760-000		/ /		/ /	
J	Operates multimeters	A1-H46AE-420-000	*	/ /	*	/ /	
K	Operates time domain reflectometer test set	A1-H46AE-600-000 NA-01-1A-505		/ /		/ /	
L	Operates stand-by compass calibrator set	NA-01-1A-17 & SCC		/ /	*	/ /	

INDIVIDUAL QUALIFICATION RECORD
AIRCRAFT COMMUNICATIONS/NAVIGATION/ELECTRICAL SYSTEMS TECHNICIAN (MOS 6322)

B. SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES

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

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Periodic Maintenance Information Cards	A1-H46AE-MRC-000		/ /	*	/ /	
B	Daily/Servicing/Special/Preservation Conditional Inspections	A1-H46AE-MRC-300		/ /	*	/ /	
B-1	Scheduled inspection Requirements	A1-H46AE-MRC-350		/ /	*	/ /	
C	Phase Maintenance Inspections	A1-H46AE-MRC-400		/ /	*	/ /	
C-1	Performs "A" phase inspection	A1-H46AE-MRC-400		/ /	/ /	/ /	
C-2	Performs "B" phase inspection	A1-H46AE-MRC-400		/ /	/ /	/ /	
C-3	Performs "C" phase inspection	A1-H46AE-MRC-400		/ /	/ /	/ /	
C-4	Performs "D" phase inspection	A1-H46AE-MRC-400		/ /	/ /	/ /	
D	Performs acceptance/transfer inspections	OPNAVINST 4790.2		/ /	*	/ /	

B.2 Incorporates applicable Technical Directives changes/bulletins.

A	Incorporates Technical Directives changes/bulletins	OPNAVINST 4790.2		/ /	*	/ /	
B	Rapid Action Minor Engineering Change (RAMEC) Proposals	NAVAIRINST 5215.10		/ /	*	/ /	

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

A	Wire repair procedures	A1-H46AE-WCR-000 NA 01-1A-505		*	*	/ /	*	/ /	
B	Use of applicable tools/support equipment	A1-H46AE-WCR-000 NA 01-1A-505		*	*	/ /	*	/ /	
C	Routing of wires/wire bundles/coax cables	A1-H46AE-WCR-000 NA 01-1A-505		*	*	/ /	*	/ /	
D	Repair/replacement of coaxial connectors	A1-H46AE-WCR-000 NA 01-1A-505		*	*	/ /	*	/ /	
E	Repair/replacement of cannon plugs	A1-H46AE-WCR-000 NA 01-1A-505		*	*	/ /	*	/ /	
F	Installation of splices/terminals/end caps	A1-H46AE-WCR-000 NA 01-1A-505		*	*	/ /	*	/ /	

DA B.3 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
G	Repair of shielded/non-shielded conductors	A1-H46AE-WCR-000 NA 01-1A-505		*	/ /	*	/ /
H	Environmental sealing of cables/components	A1-H46AE-WCR-000 NA 01-1A-505		*	/ /	*	/ /
I	Repair/replacement of matrix modules/terminal boards	A1-H46AE-WCR-000 NA 01-1A-505		*	/ /	*	/ /
J	Installation of insulation sleeving/protective boots	A1-H46AE-WCR-000 NA 01-1A-505	*	*	/ /	*	/ /

B.4 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the ICS system, AN/AIC-14 using appropriate maintenance procedures and support/test equipment.

A	Theory of operation							
A-1	ICS system, AN/AIC-14	A1-H46AE-600-000 A1-H46AE-600-100		*	*	/ /	*	/ /
B	Functional check							
B-1	ICS system, AN/AIC-14	A1-H46AE-600-000 A1-H46AE-600-100			*	/ /	*	/ /
C	Fault isolation							
C-1	ICS system, AN/AIC-14	A1-H46AE-600-000 A1-H46AE-600-100		*	*	/ /	*	/ /
D	Organizational maintenance							
D-1	ICS system, AN/AIC-14	A1-H46AE-600-000 A1-H46AE-600-100				/ /	*	/ /
D-1.1	R&R ICS switch/control panel	A1-H46AE-600-000 A1-H46AE-600-100			*	/ /	*	/ /
D-1.2	R&R interconnecting box (J-1013)	A1-H46AE-600-000 A1-H46AE-600-100			*	/ /	/	/
D-1.3	Repair interphone junction box	A1-H46AE-WDM-020				/ /	/	/

B.5 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the UHF/VHF/FM system, AN/ARC-182/210 using appropriate maintenance procedures and support/ test equipment. (# Reference applicable to HH-46D (SR&M) only)

A	Theory of operation							
A-1	UHF/VHF/FM system, AN/ARC-182/210	A1-H46AE-600-000 A1-H46AE-600-100		*	*	/ /	*	/ /
B	Functional check							
B-1	UHF/VHF/FM system, AN/ARC-182/210	A1-H46AE-600-000 A1-H46AE-600-100				/ /	*	/ /
C	Fault isolation							
C-1	UHF/VHF/FM system, AN/ARC-182/210	A1-H46AE-600-000 A1-H46AE-600-100			*	/ /	*	/ /

DA B.5 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D	Organizational maintenance						
D-1	UHF/VHF/FM system, AN/ARC-182/210				/ /	* / /	
D-1.1	R&R control box #	A1-H46AE-600-100		*	/ /	/ /	
D-1.2	R&R antenna	A1-H46AE-600-000 A1-H46AE-600-100		*	/ /	/ /	
D-1.3	R&R antenna coupler	A1-H46AE-600-100		*	/ /	/ /	
D-1.4	R&R RCVR/XMTR	A1-H46AE-600-100		*	/ /	* / /	
D-1.5	R&R RF filter	A1-H46AE-600-100			/ /	/ /	

B.6 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the HF system, AN/ARC-94 using appropriate maintenance procedures and support/test equipment. (# Reference applicable to HH-46D (SR&M) only)

A	Theory of operation						
A-1	HF system, AN/ARC-94	A1-H46AE-600-000 A1-H46AE-600-100		*	* / /	* / /	
B	Functional check						
B-1	HF system, AN/ARC-94	A1-H46AE-600-000 A1-H46AE-600-100			/ /	* / /	
C	Fault isolation						
C-1	HF system, AN/ARC-94	A1-H46AE-600-000 A1-H46AE-600-100		*	/ /	* / /	
D	Organizational maintenance						
D-1	HF system, AN/ARC-94	A1-H46AE-600-000 A1-H46AE-600-100			/ /	* / /	
D-1.1	R&R ARC-94 control box #	A1-H46AE-600-000 A1-H46AE-600-100			/ /	/ /	
D-1.2	R&R ARC-94 RCVR/XMTR	A1-H46AE-600-000 A1-H46AE-600-100		*	/ /	* / /	
D-1.3	R&R HF coupler	A1-H46AE-600-000 A1-H46AE-600-100			/ /	/ /	
D-1.4	R&R monopole antenna	A1-H46AE-600-000 A1-H46AE-600-100			/ /	/ /	

B.7 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **IFF system, AN/APX-72** using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Theory of operation						
A-1	IFF system, AN/APX-72	A1-H46AE-600-000 A1-H46AE-600-100		*	*	/	/
B	Functional check						
B-1	IFF system, AN/APX-72	A1-H46AE-600-000 A1-H46AE-600-100			/	/	/
C	Fault isolation						
C-1	IFF system, AN/APX-72	A1-H46AE-600-000 A1-H46AE-600-100		*	/	/	/
D	Organizational maintenance						
D-1	IFF system, AN/APX-72 RCVR/XMTR	A1-H46AE-600-000 A1-H46AE-600-100			/	/	/
D-1.1	R&R AN/APX-72 receiver/transmitter	A1-H46AE-600-000 A1-H46AE-600-100		*	/	/	/
D-1.2	R&R AN/APX-72 test set	A1-H46AE-600-000 A1-H46AE-600-100		*	/	/	/
D-1.3	R&R KIT computer	A1-H46AE-600-000 A1-H46AE-600-100			/	/	/
D-1.4	R&R AAU-() altitude encoder	A1-H46AE-600-000 A1-H46AE-600-100		*	/	/	/

B.8 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **Secure voice system, KY-58** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Secure voice system, KY-58	A1-H46AE-600-000 A1-H46AE-600-100		*	/	/	/
B	Functional check						
B-1	Secure voice system, KY-58	A1-H46AE-600-000 A1-H46AE-600-100			/	/	/
C	Fault isolation						
C-1	Secure voice system, KY-58	A1-H46AE-600-000 A1-H46AE-600-100		*	/	/	/
D	Organizational maintenance						
D-1	Secure voice system, KY-58	A1-H46AE-600-000 A1-H46AE-600-100			/	/	/
D-1.1	R&R KY-58 control panel	A1-H46AE-600-000 A1-H46AE-600-100			/	/	/
D-1.2	R&R KY-58 receiver/transmitter	A1-H46AE-600-000 A1-H46AE-600-100			/	/	/

B.9 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Navigation indication system using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Theory of operation						
A-1	Navigation indication system	A1-H46AE-600-000 A1-H46AE-600-100		*	/ /	*	/ /
B	Functional check						
B-1	Navigation indication system	A1-H46AE-600-000 A1-H46AE-600-100		*	/ /	*	/ /
C	Fault isolation						
C-1	Navigation indication system	A1-H46AE-600-000 A1-H46AE-600-100		*	/ /	*	/ /
D	Organizational maintenance						
D-1	Navigation indication system	A1-H46AE-600-000 A1-H46AE-600-100			/ /	/	/
D-1.1	R&R HHSI/BDHI	A1-H46AE-600-000 A1-H46AE-600-100		*	/ /	/	/
D-1.2	R&R attitude director indicator	A1-H46AE-600-000 A1-H46AE-600-100		*	/ /	*	/ /

B.10 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Attitude indicating systems using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Attitude indicating systems	A1-H46AE-560-000		*	/ /	*	/ /
B	Functional check						
B-1	Attitude indicating systems	A1-H46AE-560-000		*	/ /	*	/ /
C	Fault isolation						
C-1	Attitude indicating systems	A1-H46AE-560-000		*	/ /	*	/ /
D	Organizational maintenance						
D-1	Attitude indicating systems	A1-H46AE-560-000			/ /	*	/ /
D-1.1	R&R displacement gyro, MD-1	A1-H46AE-560-000		*	/ /	/	/
D-1.2	R&R rate of turn gyros	A1-H46AE-560-000			/ /	/	/
D-1.3	R&R attitude indicating switch	A1-H46AE-560-000			/ /	/	/
D-1.4	R&R roll trim amplifier	A1-H46AE-560-000		*	/ /	/	/

B.11 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the ADF system, AN/ARN-59 using appropriate maintenance procedures and support/test equipment.

A	Theory of operation							
A-1	ADF system, AN/ARN-59	A1-H46AE-560-000		*	*	/ /	*	/ /

DA B.11 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B	Functional check						
B-1	ADF system, AN/ARN-59	A1-H46AE-560-000			/ /	* / /	
C	Fault isolation						
C-1	ADF system, AN/ARN-59	A1-H46AE-560-000		*	/ /	* / /	
D	Organizational maintenance						
D-1	ADF system, AN/ARN-59	A1-H46AE-560-000			/ /	/ /	
D-1.1	R&R ADF control box	A1-H46AE-560-000		*	/ /	/ /	
D-1.2	R&R ADF receiver	A1-H46AE-560-000		*	/ /	/ /	
D-1.3	R&R dynamotor/dynaconverter	A1-H46AE-560-000		*	/ /	/ /	
D-1.4	R&R loop antenna	A1-H46AE-560-000			/ /	/ /	
D-1.5	R&R sense antenna	A1-H46AE-560-000			/ /	/ /	

B.12 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the UHF/DF system, AN/ARA-25 using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	UHF/DF system, AN/ARA-25	A1-H46AE-560-000		*	* / /	* / /	
B	Functional check						
B-1	UHF/DF system, AN/ARA-25	A1-H46AE-560-000			/ /	* / /	
C	Fault isolation						
C-1	UHF/DF system, AN/ARA-25	A1-H46AE-560-000		*	/ /	* / /	
D	Organizational maintenance						
D-1	UHF/DF system, AN/ARA-25	A1-H46AE-560-000			/ /	* / /	
D-1.1	R&R AN/ARA-25 electronic control amplifier	A1-H46AE-560-000			/ /	/ /	
D-1.2	R&R AN/ARA-25 interconnecting box	A1-H46AE-560-000			/ /	/ /	
D-1.3	R&R AN/ARA-25 antenna	A1-H46AE-560-000			/ /	/ /	

B.13 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the TACAN system, AN/ARN-118 using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	TACAN system, AN/ARN-118	A1-H46AE-560-000		*	* / /	* / /	
B	Functional check						
B-1	TACAN system, AN/ARN-118	A1-H46AE-560-000		*	/ /	* / /	
C	Fault isolation						
C-1	TACAN system, AN/ARN-118	A1-H46AE-560-000			/ /	* / /	
D	Organizational maintenance						
D-1	TACAN system, AN/ARN-118	A1-H46AE-560-000			/ /	* / /	

DA B.13 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-1.1	R&R TACAN receiver/transmitter	A1-H46AE-560-000		*	/ /	/ /	
D-1.2	R&R TACAN receiver/transmitter mount	A1-H46AE-560-000			/ /	/ /	
D-1.3	R&R TACAN antenna	A1-H46AE-560-000		*	/ /	/ /	

B.14 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **Radar altimeter system, AN/APN-171** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Radar altimeter system, AN/APN-171	A1-H46AE-560-000		*	* / /	* / /	
B	Functional check						
B-1	Radar altimeter system, AN/APN-171	A1-H46AE-560-000		*	/ /	* / /	
C	Fault isolation						
C-1	Radar altimeter system, AN/APN-171	A1-H46AE-560-000		*	/ /	* / /	
D	Organizational maintenance						
D-1	Radar altimeter system, AN/APN-171	A1-H46AE-560-000			/ /	* / /	
D-1.1	R&R radar altimeter indicator	A1-H46AE-560-000		*	/ /	/ /	
D-1.2	R&R radar altimeter indicator receiver/transmitter	A1-H46AE-560-000		*	/ /	/ /	
D-1.3	R&R radar altimeter antenna	A1-H46AE-560-000		*	/ /	/ /	

B.15 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **Attitude Heading Reference System (AHRS)** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	AHRS system	A1-H46AE-560-000		*	/ /	* / /	
B	Functional check						
B-1	AHRS system	A1-H46AE-560-000		*	/ /	* / /	
C	Fault isolation						
C-1	AHRS gyro	A1-H46AE-560-000		*	/ /	* / /	
D	Organizational maintenance						
D-1	AHRS gyro	A1-H46AE-560-000			/ /	* / /	
D-1.1	R&R AHRS gyro	A1-H46AE-560-000		*	/ /	* / /	
D-1.2	R&R compass transmitter/Magnetic Azimuth Detector (MAD)	A1-H46AE-560-000			/ /	* / /	
D-1.3	R&R compass controller	A1-H46AE-560-000		*	/ /	/ /	
D-1.4	R&R control amplifier/synchro	A1-H46AE-560-000			/ /	/ /	
D-1.5	R&R transformer assy	A1-H46AE-560-000			/ /	/ /	
D-1.6	Performs compass swing (NA w/ AFC-474)	A1-H46AE-560-000			/ /	/ /	

- B.16 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Electrical power supply system using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Theory of operation						
A-1	Electrical power supply system	A1-H46AE-420-000		*	/ /	*	/ /
B	Functional check						
B-1	Electrical power supply system	A1-H46AE-420-000		*	/ /	*	/ /
C	Fault isolation						
C-1	Electrical power supply system	A1-H46AE-420-000		*	/ /	*	/ /
D	Organizational maintenance						
D-1	Electrical power supply system	A1-H46AE-420-000			/ /	*	/ /
D-1.1	R&R generators	A1-H46AE-420-000		*	/ /	/	/
D-1.2	R&R supervisory panel	A1-H46AE-420-000		*	/ /	/	/
D-1.3	R&R alternating current mainline contactor	A1-H46AE-420-000			/ /	/	/
D-1.4	R&R phase sensing relay	A1-H46AE-420-000			/ /	/	/

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

A	Theory of operation						
A-1	Direct current electrical system	A1-H46AE-420-000		*	/ /	*	/ /
B	Functional check						
B-1	Direct current electrical system	A1-H46AE-420-000		*	/ /	*	/ /
C	Fault isolation						
C-1	Direct current electrical system	A1-H46AE-420-000		*	/ /	*	/ /
D	Organizational maintenance						
D-1	Direct current electrical system	A1-H46AE-420-000		*	/ /	*	/ /
D-1.1	R&R battery	A1-H46AE-420-000		*	/ /	/	/
D-1.2	R&R battery relays	A1-H46AE-420-000		*	/ /	/	/
D-1.3	R&R direct current bus relay	A1-H46AE-420-000	*		/ /	/	/
D-1.4	R&R direct current contactors	A1-H46AE-420-000	*		/ /	/	/
D-1.5	R&R transformer rectifier	A1-H46AE-420-000			/ /	/	/

- B.18 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Auxiliary Power Plant/Auxiliary Power Unit (APP/APU), electrical power system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	APP/APU electrical power system	A1-H46AE-420-000		*	/ /	*	/ /
B	Functional check						
B-1	APP/APU electrical power system	A1-H46AE-420-000		*	/ /	*	/ /
C	Fault isolation						
C-1	APP/APU electrical power system	A1-H46AE-420-000		*	/ /	*	/ /

DA B.18 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D	Organizational maintenance						
D-1	APP/APU electrical power system	A1-H46AE-420-000			/ /	* / /	
D-1.1	R&R APP generators	A1-H46AE-420-000		*	/ /	/ /	
D-1.2	R&R APP voltage regulator	A1-H46AE-420-000		*	/ /	/ /	
D-1.3	R&R APP supervisory panel	A1-H46AE-420-000		*	/ /	/ /	
D-1.4	R&R APP transfer unit	A1-H46AE-420-000		*	/ /	/ /	
D-1.5	R&R APP start relays	A1-H46AE-420-000			/ /	/ /	
D-1.6	R&R APP contactors	A1-H46AE-420-000			/ /	/ /	

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

A	Theory of operation						
A-1	Panels/controls system	A1-H46AE-420-000		*	/ /	* / /	
B	Functional check						
B-1	Panels/controls system	A1-H46AE-420-000		*	/ /	* / /	
C	Fault isolation						
C-1	Panels/controls system	A1-H46AE-420-000		*	/ /	* / /	
D	Organizational maintenance						
D-1	Panels/controls system	A1-H46AE-420-000			/ /	* / /	
D-1.1	R&R circuit breakers	A1-H46AE-420-000			/ /	/ /	
D-1.2	Repair/replace master caution panel	A1-H46AE-420-000			/ /	/ /	
D-1.3	Repair/replace master caution push/reset	A1-H46AE-420-000			/ /	/ /	
D-2	Cyclic stick	A1-H46AE-420-000			/ /	* / /	
D-2.1	Repairs cyclic stick	A1-H46AE-420-000			/ /	/ /	
D-2.2	R&R cyclic stick	A1-H46AE-420-000		*	/ /	* / /	
D-3	Collective stick	A1-H46AE-420-000			/ /	* / /	
D-3.1	Repairs collective stick	A1-H46AE-420-000			/ /	/ /	
D-3.2	R&R collective stick	A1-H46AE-420-000		*	/ /	* / /	

B.20 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Lighting systems using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Internal lighting system	A1-H46AE-420-000		*	/ /	* / /	
A-2	External lighting system	A1-H46AE-420-000		*	/ /	* / /	
B	Functional check						
B-1	Internal lighting system	A1-H46AE-420-000		*	/ /	* / /	
B-2	External lighting system	A1-H46AE-420-000		*	/ /	* / /	

DA B.20 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C	Fault isolation						
C-1	Internal lighting system	A1-H46AE-420-000		*	/ /	*	/ /
C-2	External lighting system	A1-H46AE-420-000		*	/ /	*	/ /
D	Organizational maintenance						
D-1	Internal lighting system				/ /	*	/ /
D-1.1	R&R internal lights	A1-H46AE-420-000			/ /	/ /	/ /
D-1.2	R&R inertia switch	A1-H46AE-420-000			/ /	/ /	/ /
D-2	External lighting system				/ /	/ /	/ /
D-2.1	R&R external lights	A1-H46AE-420-000			/ /	*	/ /

B.21 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **Automatic Flight Control System (AFCS)** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Automatic flight control system	A1-H46AE-570-000		*	/ /	*	/ /
B	Functional check						
B-1	Automatic flight control system	A1-H46AE-570-000		*	/ /	*	/ /
C	Fault isolation						
C-1	Automatic flight control system	A1-H46AE-570-000		*	/ /	*	/ /
D	Organizational maintenance						
D-1	Automatic flight control system	A1-H46AE-570-000			/ /	*	/ /
D-1.1	R&R AFCS computer	A1-H46AE-570-000		*	/ /	*	/ /
D-1.2	R&R AFCS control box	A1-H46AE-570-000		*	/ /	/ /	/ /
D-1.3	R&R FLCT/ALCT	A1-H46AE-140-000		*	/ /	*	/ /
D-1.4	R&R DASH actuator	A1-H46AE-140-000			/ /	*	/ /
D-1.5	R&R ASE actuators	A1-H46AE-140-000		*	/ /	*	/ /
D-1.6	R&R weight on wheels switch	A1-H46AE-110-000		*	/ /	/ /	/ /
D-1.7	R&R CPT	A1-H46AE-570-000		*	/ /	*	/ /
D-1.8	Adjust CPT	A1-H46AE-570-000		*	/ /	*	/ /
D-1.9	Adjust ELA LVDT	A1-H46AE-570-000		*	/ /	*	/ /
D-1.10	R&R HAC controller	A1-H46AE-570-000#	*		/ /	/ /	/ /
D-1.11	Adjust three degree detent	A1-H46AE-570-000			/ /	*	/ /

B.22 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **Turbo shaft engine systems** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Electrical system	A1-H46AE-220-010		*	/ /	*	/ /
A-2	Ignition system	A1-H46AE-220-010		*	/ /	*	/ /
B	Functional check						
B-1	Electrical system	A1-H46AE-220-010			/ /	*	/ /

DA B.22 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B-2	Ignition system	A1-H46AE-220-010		/ /	*	/ /	
C	Fault isolation						
C-1	Electrical system	A1-H46AE-220-010		*	/ /	*	/ /
C-2	Ignition system	A1-H46AE-220-010		*	/ /	*	/ /
D	Organizational maintenance						
D-1	Electrical system			/ /	*	/ /	
D-1.1	R&R branched wire harness	A1-H46AE-220-010		/ /		/ /	
D-1.2	R&R T-5 thermocouple harness	A1-H46AE-220-010		/ /		/ /	
D-1.3	R&R ignition unit	A1-H46AE-220-010		/ /		/ /	

B.23 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **Power plant systems** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Engine condition control system	A1-H46AE-220-010		*	/ /	*	/ /
A-2	Emergency throttle system	A1-H46AE-220-010		*	/ /	*	/ /
A-3	Power management system	A1-H46AE-220-010		*	/ /	*	/ /
A-4	Oil pressure system	A1-H46AE-220-010		*	/ /	*	/ /
A-5	Gas generator/tachometer system	A1-H46AE-220-010		*	/ /	*	/ /
A-6	Power turbine/tachometer system	A1-H46AE-220-010		*	/ /	*	/ /
A-7	Turbine inlet temperature system	A1-H46AE-220-010		*	/ /	*	/ /
A-8	Torque indicating system	A1-H46AE-220-010		*	/ /	*	/ /
B	Functional check						
B-1	Engine condition control system	A1-H46AE-420-000		*	/ /	*	/ /
B-2	Emergency throttle system	A1-H46AE-220-010		*	/ /	*	/ /
B-3	Power management system	A1-H46AE-220-010		/ /		*	/ /
B-4	Oil pressure system	A1-H46AE-220-010		/ /		*	/ /
B-5	Gas generator/tachometer system	A1-H46AE-220-010		/ /		*	/ /
B-6	Power turbine/tachometer system	A1-H46AE-220-010		/ /		*	/ /
B-7	Turbine inlet temperature system	A1-H46AE-220-010		/ /		*	/ /
B-8	Torque indicating system	A1-H46AE-220-010		/ /		*	/ /
C	Fault isolation						
C-1	Engine condition control system	A1-H46AE-220-010		*	/ /	*	/ /
C-2	Emergency throttle system	A1-H46AE-220-010		*	/ /	*	/ /
C-3	Power management system	A1-H46AE-220-010		*	/ /	*	/ /
C-4	Oil pressure system	A1-H46AE-220-010		*	/ /	*	/ /
C-5	Gas generator/tachometer system	A1-H46AE-220-010		*	/ /	*	/ /
C-6	Power turbine/tachometer system	A1-H46AE-220-010		*	/ /	*	/ /
C-7	Turbine inlet temperature system	A1-H46AE-220-010		*	/ /	*	/ /
C-8	Torque indicating system	A1-H46AE-220-010		*	/ /	*	/ /

DA B.23 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D	Organizational maintenance						
D-1	Engine condition control system				/ /	* / /	
D-1.1	R&R engine condition control assembly	A1-H46AE-220-010		*	/ /	/ /	
D-1.2	R&R engine condition control boxes	A1-H46AE-220-010		*	/ /	/ /	
D-1.3	R&R beep trim actuator	A1-H46AE-220-010		*	/ /	/ /	
D-1.4	Perform electrical rig on engine control actuator	A1-H46AE-020-010			/ /	/ /	
D-2	Emergency throttle system				/ /	* / /	
D-2.1	R&R emergency throttle control box	A1-H46AE-220-010		*	/ /	/ /	
D-2.2	R&R Thermocouple relay box	A1-H46AE-220-010			/ /	/ /	
D-3	Power management system				/ /	* / /	
D-3.1	R&R power management amplifier	A1-H46AE-220-010			/ /	/ /	
D-3.2	R&R PMS harness	A1-H46AE-220-010			/ /	/ /	
D-3.3	R&R overspeed disable switch	A1-H46AE-220-010			/ /	/ /	
D-3.4	R&R c/p rate pot	A1-H46AE-220-010		*	/ /	/ /	
D-4	Oil pressure system				/ /	* / /	
D-4.1	R&R oil pressure indicator	A1-H46AE-500-000		*	/ /	/ /	
D-4.2	R&R oil pressure transmitter	A1-H46AE-220-010		*	/ /	/ /	
D-4.3	R&R oil pressure switches	A1-H46AE-220-010		*	/ /	/ /	
D-5	Gas generator/tachometer system				/ /	* / /	
D-5.1	R&R gas generator tachometer indicator	A1-H46AE-500-000		*	/ /	/ /	
D-5.2	R&R gas generator tachometer	A1-H46AE-220-010		*	/ /	/ /	
D-6	Power turbine/tachometer system				/ /	* / /	
D-6.1	R&R trip tachometer indicator	A1-H46AE-500-000		*	/ /	/ /	
D-6.2	R&R power turbine tachometer	A1-H46AE-220-010		*	/ /	/ /	
D-7	Turbine inlet temperature system				/ /	* / /	
D-7.1	R&R turbine inlet temperature indicator	A1-H46AE-500-000		*	/ /	/ /	
D-8	Torque indicating system				/ /	* / /	
D-8.1	R&R torque indicator	A1-H46AE-220-010		*	/ /	/ /	
D-8.2	R&R torque signal conditioner	A1-H46AE-220-010		*	/ /	/ /	
D-8.3	R&R tone generator	A1-H46AE-220-010			/ /	/ /	
D-8.4	R&R torquemeter relay box	A1-H46AE-220-010			/ /	/ /	
D-8.5	R&R torque harness	A1-H46AE-220-010			/ /	/ /	
D-8.6	R&R torque sensor/temperature compensator	A1-H46AE-220-010		*	/ /	/ /	

B.24 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **Fuel system** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Fuel system	A1-H46AE-220-010		*	/ /	* / /	
B	Functional check						
B-1	Fuel system	A1-H46AE-220-010		*	/ /	* / /	

DA B.24 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C	Fault isolation						
C-1	Fuel system	A1-H46AE-220-010		*	/ /	*	/ /
D	Organizational maintenance						
D-1	Fuel system	A1-H46AE-220-010			/ /	*	/ /
D-1.1	R&R fuel quantity indicators	A1-H46AE-220-010		*	/ /	/	/
D-1.2	R&R signal conditioners	A1-H46AE-220-010		*	/ /	/	/
D-1.3	Repair fuel control panel	A1-H46AE-220-010			/ /	/	/
D-1.4	R&R tank units	A1-H46AE-220-010		*	/ /	/	/
D-1.5	R&R fuel pressure switches	A1-H46AE-220-010			/ /	/	/
D-1.6	Fueling station selector switches	A1-H46AE-220-010			/ /	/	/

B.25 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Rotor system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Rotor system	A1-H46AE-150-000		*	/ /	*	/ /
B	Functional check						
B-1	Rotor system	A1-H46AE-150-000			/ /	*	/ /
C	Fault isolation						
C-1	Rotor system	A1-H46AE-150-000		*	/ /	*	/ /
D	Organizational maintenance						
D-1	Rotor system	A1-H46AE-150-000			/ /	*	/ /
D-1.1	R&R distributor	A1-H46AE-150-000		*	/ /	/	/
D-1.2	R&R blade fold harness	A1-H46AE-150-000		*	/ /	/	/
D-1.3	R&R blade fold motor	A1-H46AE-150-000		*	/ /	/	/
D-1.4	R&R/adjust 30-degree limit switch	A1-H46AE-150-000		*	/ /	/	/
D-1.5	R&R fwd/aft cable assembly (pigtail)	A1-H46AE-150-000		*	/ /	/	/
D-1.6	R&R slip ring	A1-H46AE-260-000		*	/ /	/	/
D-1.7	R&R rotor brake & blade fold controller	A1-H46AE-150-000		*	/ /	/	/
D-1.8	R&R zero speed sensor	A1-H46AE-150-000			/ /	/	/
D-1.9	Adjust flight control positioning switches	A1-H46AE-150-000			/ /	/	/

B.26 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Drive system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Drive system	A1-H46AE-260-000		*	/ /	*	/ /
B	Functional check						
B-1	Drive system	A1-H46AE-260-000			/ /	*	/ /

DA B.26 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C	Fault isolation						
C-1	Drive system	A1-H46AE-260-000		*	/ /	*	/ /
D	Organizational maintenance						
D-1	Drive system	A1-H46AE-260-000			/ /	*	/ /
D-1.1	R&R fwd/aft transmission oil indicators	A1-H46AE-260-000		*	/ /	/	/
D-1.2	R&R fwd/aft transmission oil pressure transmitter/warning unit	A1-H46AE-260-000		*	/ /	/	/
D-1.3	R&R fwd/aft transmission oil temperature bulb/switch	A1-H46AE-260-000		*	/ /	/	/
D-1.4	R&R fwd/aft transmission chip detectors	A1-H46AE-260-000		*	/ /	/	/
D-1.5	R&R rotor brake solenoid	A1-H46AE-260-000		*	/ /	/	/
D-1.6	R&R rotor tach generator	A1-H46AE-260-000		*	/ /	/	/

B.27 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Heating system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Heating system	A1-H46AE-400-000		*	/ /	*	/ /
B	Functional check						
B-1	Heating system	A1-H46AE-400-000			/ /	*	/ /
C	Fault isolation						
C-1	Heating system	A1-H46AE-400-000		*	/ /	*	/ /
D	Organizational maintenance						
D-1	Heating system	A1-H46AE-400-000			/ /	*	/ /
D-1.1	R&R heater control box	A1-H46AE-400-000			/ /	/	/

B.28 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Miscellaneous utilities system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	APP/ENG fire protection system	A1-H46AE-400-000		*	/ /	*	/ /
A-2	Cargo winch/hook/rescue hoist system	A1-H46AE-400-000		*	/ /	*	/ /
A-3	Ramp position transmitter installation	A1-H46AE-110-000		*	/ /	*	/ /
B	Functional check						
B-1	APP/ENG fire protection system	A1-H46AE-400-000			/ /	*	/ /
B-2	Cargo winch/hook/rescue hoist system	A1-H46AE-400-000			/ /	*	/ /
B-3	Ramp position transmitter installation	A1-H46AE-110-000			/ /	*	/ /
C	Fault isolation						
C-1	APP/ENG fire protection system	A1-H46AE-400-000		*	/ /	*	/ /
C-2	Cargo winch/hook/rescue hoist system	A1-H46AE-400-000		*	/ /	*	/ /

DA B.28 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C-3	Ramp position transmitter installation	A1-H46AE-110-000		*	/ /	*	/ /
D	Organizational maintenance						
D-1	APP/ENG fire protection system	A1-H46AE-400-000			/ /	*	/ /
D-1.1	R&R APP/ENG fire detection amplifiers	A1-H46AE-400-000			/ /	/ /	/ /
D-1.2	R&R APP/ENG fire detectors	A1-H46AE-400-000			/ /	/ /	/ /
D-2	Ramp position transmitter installation				/ /	*	/ /
D-2.1	R&R ramp position transmitter	A1-H46AE-110-000			/ /	/ /	/ /

B.29 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Instrument system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Instrument system	A1-H46AE-500-000		*	/ /	*	/ /
B	Functional check						
B-1	Instrument system	A1-H46AE-500-000			/ /	*	/ /
C	Fault isolation						
C-1	Instrument system	A1-H46AE-500-000		*	/ /	*	/ /
D	Organizational maintenance						
D-1	Instrument system	A1-H46AE-500-000			/ /	*	/ /
D-1.1	R&R airspeed indicators	A1-H46AE-500-000		*	/ /	/ /	/ /
D-1.2	R&R rate of climb indicator	A1-H46AE-500-000		*	/ /	/ /	/ /
D-1.3	R&R turn/slip indicator	A1-H46AE-500-000		*	/ /	/ /	/ /
D-1.4	R&R Barometric altimeter indicator	A1-H46AE-500-000		*	/ /	/ /	/ /
D-1.5	R&R clock	A1-H46AE-500-000		*	/ /	/ /	/ /
D-1.6	R&R fwd/aft LCT indicators	A1-H46AE-500-000		*	/ /	/ /	/ /

B.30 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Cruise guide indicating system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Cruise guide indicating system	A1-H46AE-4500-000		*	/ /	*	/ /
B	Functional check						
B-1	Cruise guide indicating system	A1-H46AE-500-000		*	/ /	*	/ /
C	Fault isolation						
C-1	Cruise guide indicating system	A1-H46AE-500-000		*	/ /	*	/ /
D	Organizational maintenance						
D-1	Cruise guide indicating system	A1-H46AE-500-000			/ /	*	/ /
D-1.1	R&R signal conditioner	A1-H46AE-500-000			/ /	/ /	/ /
D-1.2	R&R signal processor	A1-H46AE-500-000			/ /	/ /	/ /
D-1.3	R&R cruise guide indicator	A1-H46AE-500-000		*	/ /	/ /	/ /

- B.31 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Hydraulic pressure indicating systems using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Theory of operation						
A-1	Hydraulic pressure indicating system	A1-H46AE-450-000		*	/ /	*	/ /
B	Functional check				/ /	*	/ /
B-1	Hydraulic pressure indicating system	A1-H46AE-450-000			/ /	*	/ /
C	Fault isolation						
C-1	Hydraulic pressure indicating system	A1-H46AE-450-000		*	/ /	*	/ /
D	Organizational maintenance						
D-1	Hydraulic pressure indicating system	A1-H46AE-450-000			/ /	*	/ /
D-1.1	R&R #1, #2, & utility hydraulic pressure indicators	A1-H46AE-450-000		*	/ /	/	/ /
D-1.2	R&R #1, #2, & utility hydraulic pressure transmitter	A1-H46AE-450-000		*	/ /	/	/ /

- B.32 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Low Altitude Warning System (LAWS)/Ground Proximity Warning system (GPWS) using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Low Altitude Warning System (LAWS)/Ground Proximity Warning system (GPWS)	A1-H46AE-560-000		*	/ /	*	/ /
B	Functional check						
B-1	Low Altitude Warning System (LAWS)/Ground Proximity Warning system (GPWS)	A1-H46AE-560-000		*	/ /	*	/ /
C	Fault isolation						
C-1	Low Altitude Warning System (LAWS)/Ground Proximity Warning system (GPWS)	A1-H46AE-560-000		*	/ /	*	/ /
D	Organizational maintenance						
D-1	Low Altitude Warning System (LAWS)/Ground Proximity Warning system (GPWS)	A1-H46AE-560-000			/ /	*	/ /
D-1.1	R&R relay box	A1-H46AE-560-000			/ /	/	/ /
D-1.2	R&R dash disable switch	A1-H46AE-560-000			/ /	/	/ /
D-1.3	R&R tone generator	A1-H46AE-560-000			/ /	/	/ /

- B.33 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Helicopter Emergency Egress Lighting (HEELS) using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Helicopter Emergency Egress Lighting (HEELS)	A1-H46AE-420-000		*	/ /	*	/ /
B	Functional check						
B-1	Helicopter Emergency Egress Lighting (HEELS)	A1-H46AE-420-000			/ /	/	/ /

DA B.33 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C	Fault isolation						
C-1	Helicopter Emergency Egress Lighting (HEELS)	A1-H46AE-420-000		*	/ /	*	/ /
D	Organizational maintenance						
D-1	Helicopter Emergency Egress Lighting (HEELS)	A1-H46AE-420-000			/ /	*	/ /
D-1.1	R&R generator box	A1-H46AE-420-000		*	/ /	/	/
D-1.2	R&R battery box	A1-H46AE-420-000		*	/ /	/	/
D-1.3	R&R arm switch	A1-H46AE-420-000			/ /	/	/
D-1.4	R&R lighting assembly	A1-H46AE-420-000			/ /	/	/

B.34 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Communication Navigation Control System (CNCS) using appropriate maintenance procedures and support/test equipment. (# Reference applicable to HH-46D (SR&M) only)

A	Theory of operation						
A-1	CNCS	A1-H46AE-600-100		*	/ /	*	/ /
B	Functional check						
B-1	CNCS	A1-H46AE-600-100		*	/ /	*	/ /
C	Fault isolation						
C-1	CNCS	A1-H46AE-600-100		*	/ /	*	/ /
D	Organizational maintenance						
D-1	R&R CDNU	A1-H46AE-600-100		*	/ /	*	/ /
D-2	R&R Data transfer module	A1-H46AE-600-100		*	/ /	*	/ /
D-2.1	R&R interface receptacle unit	A1-H46AE-600-100			/ /	/	/
D-3	R&R Horizontal Hover Situation Ind	A1-H46AE-600-100		*	/ /	*	/ /
D-4	R&R Signal data converter-HUD	A1-H46AE-600-100			/ /	*	/ /
D-4.1	R&R converter control unit	A1-H46AE-600-100			/ /	/	/
D-4.2	R&R display unit AVS-7	A1-H46AE-600-100			/ /	/	/
D-5	R&R MAGR receiver	A1-H46AE-600-100			/ /	*	/ /
D-5.1	R&R MAGR antenna	A1-H46AE-600-100		*	/ /	/	/
D-5.2	Load GPS codes	A1-H46AE-600-100			/ /	/	/
D-6	R&R Interface Control Unit	A1-H46AE-600-100			/ /	*	/ /
D-7	R&R True Airspeed computer	A1-H46AE-600-100			/ /	*	/ /
D-7.1	R&R temperature probe	A1-H46AE-600-100			/ /	/	/
D-8	R&R air data computer				/ /	/	/
D-9	R&R ARC-210 R/T	A1-H46AE-600-100		*	/ /	/	/
D-9.1	R&R ARC-210 antenna converter	A1-H46AE-600-100		*	/ /	*	/ /
D-9.2	R&R ARC-210 antenna	A1-H46AE-600-100		*	/ /	/	/
D-9.3	Load SINCGARS & HAVEQUICKS	A1-H46AE-600-100			/ /	*	/ /
D-10	R&R Audio Control Box	A1-H46AE-600-100		*	/ /	/	/
D-11	R&R Auxiliary Control Box	A1-H46AE-600-100		*	/ /	/	/
D-12	R&R Data Bus Couplers	A1-H46AE-600-100			/ /	/	/
D-13	R&R ground proximity warning processor	A1-H46AE-600-100			/ /	/	/
D-14	R&R AN/APN 217 Doppler #	A1-H46AE-600-100			/ /	/	/
D-14.1	R&R Dehydrator #	A1-H46AE-600-100			/ /	/	/

B.35 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Underwater acoustic beacon using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Theory of operation						
A-1	Underwater beacon	A1-H46AE-400-000		/ /	/ /	/ /	
B	Functional check						
B-1	Underwater beacon	A1-H46AE-400-000		/ /	/ /	/ /	
C	Fault isolation						
C-1	Underwater beacon	A1-H46AE-400-000		/ /	/ /	/ /	
D	Organizational maintenance						
D-1	Underwater beacon	A1-H46AE-400-000		/ /	/ /	/ /	
D-1.1	R&R beacon	A1-H46AE-400-000		/ /	/ /	/ /	
D-1.2	R&R beacon mount	A1-H46AE-400-000		/ /	/ /	/ /	

B.36 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Radar warning system, AN/APR-39 using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Radar warning system, AN/APR-39	A1-H46AE-760-000		*	/ /	*	/ /
B	Functional check						
B-1	Radar warning system, AN/APR-39	A1-H46AE-760-000		*	/ /	*	/ /
C	Fault isolation						
C-1	Radar warning system, AN/APR-39	A1-H46AE-760-000		*	/ /	*	/ /
D	Organizational maintenance						
D-1	Radar warning system, AN/APR-39	A1-H46AE-760-000		/ /	*	/ /	
D-1.1	R&R control unit	A1-H46AE-760-000		/ /	/ /	/ /	
D-1.2	R&R indicator	A1-H46AE-760-000		*	/ /	/ /	
D-1.3	R&R comparator	A1-H46AE-760-000		*	/ /	/ /	
D-1.4	R&R fwd & aft receivers	A1-H46AE-760-000		/ /	/ /	/ /	
D-1.5	R&R L-band antenna	A1-H46AE-760-000		/ /	/ /	/ /	
D-1.6	R&R spiral antenna	A1-H46AE-760-000		/ /	/ /	/ /	

B.37 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the AN/ALE-39 system using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	AN/ALE-39 system	A1-H46AE-760-000		*	/ /	*	/ /
B	Functional check						
B-1	AN/ALE-39 system	A1-H46AE-760-000		*	/ /	*	/ /
C	Fault isolation						
C-1	AN/ALE-39 system	A1-H46AE-760-000		*	/ /	*	/ /

DA B.37 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D	Organizational maintenance						
D-1	AN/ALE-39 system	A1-H46AE-760-000		/ /	* / /		
D-1.1	R&R dispenser set programmer	A1-H46AE-760-000		/ /	/ /		
D-1.2	R&R sequence switch	A1-H46AE-760-000		/ /	/ /		
D-1.3	R&R dispenser control unit	A1-H46AE-760-000		/ /	/ /		
D-1.4	R&R arm voltage control	A1-H46AE-760-000		/ /	/ /		
D-1.5	R&R dispenser POD	A1-H46AE-760-000		/ /	/ /		
D-1.6	R&R safety switch/actuator assembly	A1-H46AE-760-000		/ /	/ /		

B.38 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Missile warning system, AAR-47, using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	AN/AAR-47 system	A1-H46AE-760-000		* / /	* / /		
B	Functional check						
B-1	AN/AAR-47 system	A1-H46AE-760-000		/ /	* / /		
C	Fault isolation						
C-1	AN/AAR-47 system	A1-H46AE-760-000		* / /	* / /		
D	Organizational maintenance						
D-1	AN/AAR-47 system	A1-H46AE-760-000		/ /	* / /		
D-1.1	R&R control indicator	A1-H46AE-760-000		/ /	/ /		
D-1.2	R&R computer processor	A1-H46AE-760-000		/ /	/ /		
D-1.3	R&R optical sensor/converter	A1-H46AE-760-000		/ /	/ /		

B.39 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Infrared jamming system, AN/ALQ-157, using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Infrared countermeasures set, AN/ALQ-157	A1-H46AE-760-000		* / /	* / /		
B	Functional check						
B-1	Infrared countermeasures set, AN/ALQ-157	A1-H46AE-760-000		/ /	* / /		
C	Fault isolation						
C-1	Infrared countermeasures set, AN/ALQ-157	A1-H46AE-760-000		* / /	* / /		
D	Organizational maintenance						
D-1	Infrared countermeasures set, AN/ALQ-157	A1-H46AE-760-000		/ /	* / /		
D-1.1	R&R control indicator	A1-H46AE-760-000		/ /	/ /		
D-1.2	R&R control power supply	A1-H46AE-760-000		/ /	/ /		
D-1.3	R&R infrared transmitter	A1-H46AE-760-000		/ /	/ /		
D-1.4	R&R EMI filter	A1-H46AE-760-000		/ /	/ /		

- B.40 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Loud hailer system using appropriate maintenance procedures and support/test equipment. (Applicable to HH-46D (SR&M))

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Theory of operation						
A-1	Loud hailer system A02SK127	A1-H46AE-600-000		/ /	* / /		
B	Functional check						
B-1	Loud hailer system A02SK127	A1-H46AE-600-000		/ /	* / /		
C	Fault isolation						
C-1	Loud hailer system A02SK127	A1-H46AE-600-000		/ /	* / /		
D	Organizational maintenance						
D-1	Loud hailer system A02SK127	A1-H46AE-600-000		/ /	* / /		
D-1.1	R&R remote control assembly	A1-H46AE-600-000		/ /	/ /		
D-1.2	R&R microphone assembly	A1-H46AE-600-000		/ /	/ /		
D-1.3	R&R paralleling junction box	A1-H46AE-600-000		/ /	/ /		
D-1.4	R&R power junction box	A1-H46AE-600-000		/ /	/ /		
D-1.5	R&R audio amplifier	A1-H46AE-600-000		/ /	/ /		

- B.41 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Doppler system, system, AN/APN-182 (V) using appropriate maintenance procedures and support/test equipment. (Applicable to HH-46D (SR&M))

A	Theory of operation						
A-1	Doppler system, AN/APN-182(V)	A1-H46AE-560-000	*	/ /	* / /		
B	Functional check						
B-1	Doppler system, AN/APN-182(V)	A1-H46AE-560-000		/ /	* / /		
C	Fault isolation						
C-1	Doppler system, AN/APN-182(V)	A1-H46AE-560-000		/ /	* / /		
D	Organizational maintenance						
D-1	Doppler system, AN/APN-182(V)	A1-H46AE-560-000		/ /	* / /		
D-1.1	R&R receiver/transmitter	A1-H46AE-560-000		/ /	/ /		
D-1.2	R&R power supply	A1-H46AE-560-000		/ /	/ /		
D-1.3	R&R control indicator	A1-H46AE-560-000		/ /	/ /		
D-1.4	R&R signal data converter	A1-H46AE-560-000		/ /	/ /		

- B.42 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the MA-1 compass gyro system using appropriate maintenance procedures and support/test equipment. (Applicable to HH-46D (SR&M))

A	Theory of operation						
A-1	MA-1 compass gyro system	A1-H46AE-560-000		/ /	/ /		
B	Functional check						
B-1	MA-1 compass gyro system	A1-H46AE-560-000		/ /	/ /		

DA B.42 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C	Fault isolation						
C-1	MA-1 compass gyro system	A1-H46AE-560-000			/ /	/ /	
D	Organizational maintenance						
D-1	MA-1 compass gyro system	A1-H46AE-560-000			/ /	/ /	
D-1.1	R&R MA-1 gyro	A1-H46AE-560-000			/ /	/ /	
D-1.2	R&R compass control box	A1-H46AE-560-000			/ /	/ /	
D-1.3	R&R compass amplifier	A1-H46AE-560-000			/ /	/ /	
D-1.4	Perform compass swing	A1-H46AE-560-000			/ /	/ /	

B.43 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **Power plant systems** using appropriate maintenance procedures and support/test equipment. (Applicable to HH-46D (SR&M))

A	Theory of operation						
A-1	Engine condition control system	A1-H46AE-220-000		*	/ /	*	/ /
A-2	Emergency throttle system	A1-H46AE-220-000		*	/ /	*	/ /
A-3	Power management system	A1-H46AE-220-000		*	/ /	*	/ /
A-4	Oil pressure system	A1-H46AE-220-000		*	/ /	*	/ /
A-5	Gas generator/tachometer system	A1-H46AE-220-000		*	/ /	*	/ /
A-6	Power turbine/tachometer system	A1-H46AE-220-000		*	/ /	*	/ /
A-7	Turbine inlet temperature system	A1-H46AE-220-000		*	/ /	*	/ /
A-8	Torque indicating system	A1-H46AE-220-000		*	/ /	*	/ /
A-9	Engine exhaust device system	A1-H46AE-220-000			/ /		/ /
B	Functional check						
B-1	Engine condition control system	A1-H46AE-220-000		*	/ /	*	/ /
B-2	Emergency throttle system	A1-H46AE-220-000		*	/ /	*	/ /
B-3	Power management system	A1-H46AE-220-000			/ /	*	/ /
B-4	Oil pressure system	A1-H46AE-220-000			/ /	*	/ /
B-5	Gas generator/tachometer system	A1-H46AE-220-000			/ /	*	/ /
B-6	Power turbine/tachometer system	A1-H46AE-220-000			/ /	*	/ /
B-7	Turbine inlet temperature system	A1-H46AE-220-000			/ /	*	/ /
B-8	Torque indicating system	A1-H46AE-220-000			/ /	*	/ /
B-9	Engine exhaust device system	A1-H46AE-220-000			/ /		/ /
C	Fault isolation						
C-1	Engine condition control system	A1-H46AE-220-000		*	/ /	*	/ /
C-2	Emergency throttle system	A1-H46AE-220-000		*	/ /	*	/ /
C-3	Power management system	A1-H46AE-220-000			/ /	*	/ /
C-4	Oil pressure system	A1-H46AE-220-000			/ /	*	/ /
C-5	Gas generator/tachometer system	A1-H46AE-220-000			/ /	*	/ /
C-6	Power turbine/tachometer system	A1-H46AE-220-000			/ /	*	/ /

DA B.43 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C-7	Turbine inlet temperature system	A1-H46AE-220-000		/ /	* / /		
C-8	Torque indicating system	A1-H46AE-220-000		/ /	* / /		
C-9	Engine exhaust device system	A1-H46AE-220-000		/ /		/ /	
D	Organizational maintenance						
D-1	Engine condition control system			/ /	* / /		
D-1.1	R&R engine condition control assembly	A1-H46AE-220-000		/ /		/ /	
D-1.2	R&R engine condition control boxes	A1-H46AE-220-000		/ /		/ /	
D-1.3	Adjust engine condition control boxes	A1-H46AE-220-000		/ /		/ /	
D-1.4	R&R beep trim actuator	A1-H46AE-220-000		/ /		/ /	
D-1.5	R&R engine condition actuator	A1-H46AE-220-000		/ /		/ /	
D-2	Emergency throttle system			/ /	* / /		
D-2.1	R&R emergency throttle control box	A1-H46AE-220-000		/ /		/ /	
D-3	Power management system			/ /	* / /		
D-3.1	R&R power management amplifier	A1-H46AE-220-000		/ /		/ /	
D-3.2	R&R PMS harness	A1-H46AE-220-000		/ /		/ /	
D-3.3	R&R overspeed disable switch	A1-H46AE-220-000		/ /		/ /	
D-3.4	R&R c/p rate pot	A1-H46AE-220-000		/ /		/ /	
D-4	Oil pressure system			/ /	* / /		
D-4.1	R&R oil pressure indicator	A1-H46AE-500-000		/ /		/ /	
D-4.2	R&R oil pressure transmitter	A1-H46AE-220-000		/ /		/ /	
D-5	Gas generator/tachometer system	A1-H46AE-220-000		/ /	* / /		
D-5.1	R&R gas generator tachometer indicator	A1-H46AE-500-000		/ /		/ /	
D-5.2	R&R gas generator tachometer	A1-H46AE-220-000		/ /		/ /	
D-6	Power turbine/tachometer system			/ /	* / /		
D-6.1	R&R triple tachometer indicator	A1-H46AE-500-000		/ /		/ /	
D-6.2	R&R power turbine tachometer	A1-H46AE-220-000		/ /		/ /	
D-7	Turbine inlet temperature system			/ /	* / /		
D-7.1	R&R turbine inlet temperature indicator	A1-H46AE-500-000		/ /		/ /	
D-8	Torque indicating system			/ /	* / /		
D-8.1	R&R torque indicator	A1-H46AE-220-000		/ /		/ /	
D-8.2	R&R torque transducer	A1-H46AE-220-000		/ /		/ /	
D-8.3	Perform torque calibration	A1-H46AE-220-000		/ /		/ /	

ITSS (MATMEP)

APPENDIX A

INDIVIDUAL EXPERIENCE DATA SHEET

INDIVIDUAL DATA

UNIT EXPERIENCE DATA

NAME: _____

UNIT

SHOP

BILLET

FROM/TO DATES

SSN: _____

FORMAL SCHOOLS

SCHOOLS NAME

DATE COMPLETED

COMMENTS:

APPENDIX C

WORK CENTER SUMMARY
AIRCRAFT COMMUNICATIONS/NAVIGATION/ELECTRICAL SYSTEMS TECHNICIAN (MOS 6322)

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
	II					XXXXX	XXXXX							XXXXX
	III													
	IV													
	II						XXXXX	XXXXX						XXXXX
	III													
	IV													
	II						XXXXX	XXXXX						XXXXX
	III													
	IV													
	II						XXXXX	XXXXX						XXXXX
	III													
	IV													
	II						XXXXX	XXXXX						XXXXX
	III													
	IV													
	II						XXXXX	XXXXX						XXXXX
	III													
	IV													
	II						XXXXX	XXXXX						XXXXX
	III													
	IV													
	II						XXXXX	XXXXX						XXXXX
	III													
	IV													
	II						XXXXX	XXXXX						XXXXX
	III													
	IV													
	II						XXXXX	XXXXX						XXXXX
	III													
	IV													
	II						XXXXX	XXXXX						XXXXX
	III													
	IV													
	II						XXXXX	XXXXX						XXXXX
	III													
	IV													
	II						XXXXX	XXXXX						XXXXX
	III													
	IV													
	II						XXXXX	XXXXX						XXXXX
	III													
	IV													

DATE: JUNE 2002

APPENDIX C

WORK CENTER SUMMARY
AIRCRAFT COMMUNICATION/NAVIGATION/ELECTRICAL SYSTEMS TECHNICIAN (MOS 6322)

WORK CENTER NAME/NUMBER _____

NAME/MOS	LEVEL	B.10	B.11	B.12	B.13	B.14	B.15	B.16	B.17	B.18	B.19	B.20	B.21	B.22	B.23
	II														
	III														
	IV														
	II														
	III														
	IV														
	II														
	III														
	IV														
	II														
	III														
	IV														
	II														
	III														
	IV														
	II														
	III														
	IV														
	II														
	III														
	IV														
	II														
	III														
	IV														
	II														
	III														
	IV														
	II														
	III														
	IV														
	II														
	III														
	IV														
	II														
	III														
	IV														
	II														
	III														
	IV														
	II														
	III														
	IV														
	II														
	III														
	IV														
	II														
	III														
	IV														

DATE: JUNE 2002

APPENDIX C

WORK CENTER SUMMARY
AIRCRAFT COMMUNICATION/NAVIGATION/ELECTRICAL SYSTEMS TECHNICIAN (MOS 6322)

WORK CENTER NAME/NUMBER _____

NAME/MOS	LEVEL	B. 24	B. 25	B. 26	B. 27	B. 28	B. 29	B. 30	B. 31	B. 32	B. 33	B. 34	B. 35	B. 36	B. 37
	II										XXXXX		XXXXX		
	III														
	IV														
	II										XXXXX		XXXXX		
	III														
	IV														
	II										XXXXX		XXXXX		
	III														
	IV														
	II										XXXXX		XXXXX		
	III														
	IV														
	II										XXXXX		XXXXX		
	III														
	IV														
	II										XXXXX		XXXXX		
	III														
	IV														
	II										XXXXX		XXXXX		
	III														
	IV														
	II										XXXXX		XXXXX		
	III														
	IV														
	II										XXXXX		XXXXX		
	III														
	IV														
	II										XXXXX		XXXXX		
	III														
	IV														
	II										XXXXX		XXXXX		
	III														
	IV														
	II										XXXXX		XXXXX		
	III														
	IV														
	II										XXXXX		XXXXX		
	III														
	IV														
	II										XXXXX		XXXXX		
	III														
	IV														
	II										XXXXX		XXXXX		
	III														
	IV														
	II										XXXXX		XXXXX		
	III														
	IV														

DATE: JUNE 2002

APPENDIX C

WORK CENTER SUMMARY
AIRCRAFT COMMUNICATION/NAVIGATION/ELECTRICAL SYSTEMS TECHNICIAN (MOS 6322)

WORK CENTER NAME/NUMBER _____

NAME/MOS	LEVEL	B.38	B.39	B.40	B.41	B.42	B.43
	II	XXXXX		XXXXX	XXXXX	XXXXX	
	III					XXXXX	
	IV						
	II	XXXXX		XXXXX	XXXXX	XXXXX	
	III					XXXXX	
	IV						
	II	XXXXX		XXXXX	XXXXX	XXXXX	
	III					XXXXX	
	IV						
	II	XXXXX		XXXXX	XXXXX	XXXXX	
	III					XXXXX	
	IV						
	II	XXXXX		XXXXX	XXXXX	XXXXX	
	III					XXXXX	
	IV						
	II	XXXXX		XXXXX	XXXXX	XXXXX	
	III					XXXXX	
	IV						
	II	XXXXX		XXXXX	XXXXX	XXXXX	
	III					XXXXX	
	IV						
	II	XXXXX		XXXXX	XXXXX	XXXXX	
	III					XXXXX	
	IV						
	II	XXXXX		XXXXX	XXXXX	XXXXX	
	III					XXXXX	
	IV						
	II	XXXXX		XXXXX	XXXXX	XXXXX	
	III					XXXXX	
	IV						
	II	XXXXX		XXXXX	XXXXX	XXXXX	
	III					XXXXX	
	IV						
	II	XXXXX		XXXXX	XXXXX	XXXXX	
	III					XXXXX	
	IV						
	II	XXXXX		XXXXX	XXXXX	XXXXX	
	III					XXXXX	
	IV						
	II	XXXXX		XXXXX	XXXXX	XXXXX	
	III					XXXXX	
	IV						

DATE: JUNE 2002

ITSS (MATMEP)

APPENDIX D

SUPPORT EQUIPMENT LICENSING RECORD

NAME/SSN: _____

RANK: _____

MOS: _____

DATE: JUNE 2002