DUTY AREA
HELICOPTER AIRCRAFT MECHANIC (MOS 6154)

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**.
4. Performs tasks on the helicopter using **Precision Measuring Equipment (PME)**.
5. Demonstrates/applies knowledge of fluids and their principles of use as applicable to **Aircraft hydraulic/pneumatic systems**.

B. SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES

1. Incorporates applicable **Technical Directives changes/bulletins**.
2. Detects corrosion and performs **Corrosion control**.

UH-1N

3. Performs **Required scheduled/unscheduled inspections** on applicable systems/components as per Maintenance Requirement Cards on the UH-1N aircraft.
4. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **Flight control systems** of the UH-1N helicopter using appropriate maintenance procedures and support/test equipment.
5. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **Hydraulic power supply systems** of the UH-1N helicopter using appropriate maintenance procedures and support/test equipment.
6. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **Rotor brake system** of the UH-1N helicopter using appropriate maintenance procedures and support/test equipment.
7. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **Automatic Flight Control System/Stability Control Augmentation System (AFCS/SCAS)** of the UH-1N helicopter using appropriate maintenance procedures and support/test equipment.
8. Performs **Organizational level maintenance** on applicable systems including the removal, installation, adjustment and alignment of the system and the repair or replacement of associated components on the UH-1N helicopter.

DA MOS 6154 (Continued)

AH-1W

9. Performs **Required scheduled/unscheduled inspections** on applicable systems/components as per Maintenance Requirement Cards on the AH-1W aircraft.
10. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **Flight control systems** of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.
11. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **Hydraulic power supply systems** of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.
12. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **Rotor brake system** of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.
13. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **Stability & Control Augmentation System (SCAS)** of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.
14. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **Articulating pylon system (TOW pylon actuator)** of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.
15. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **Vibration Suppression System (VSS)** of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.
16. Performs **Organizational level maintenance** on applicable systems including removal, installation, adjustment and alignment of the systems and the repair or replacement of associated components on the AH-1W helicopter.

SKILL PROGRESSION LEVEL DEFINITIONS

LEVEL I: An asterisk in level I indicates the task is taught in an Entry Level School (“A” school).

LEVEL II: An asterisk in level II indicates the task is taught at a NAMTRAMARUNIT/”C” school. 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 that the Marine performs after initial exposure should be annotated on the OPNAV 4790/33 form until the Marine 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 without direct supervision. The unit is responsible for these sign off’s.

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 tasks in level III must have been singed-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
HELICOPTER AIRCRAFT MECHANIC (MOS 6154)

NAME/SSN:_____

Granted MOS 6151 _____/_____
Granted MOS 6154 _____/_____

Level II Completed _____/_____
Level III Completed _____/_____
Level IV Completed _____/_____

		LEVEL I	LEVEL II	LEVEL III	LEVEL IV
DUTY #	DUTY DESCRIPTION	DATE / SIGN	DATE / SIGN	DATE / SIGN	DATE / SIGN
A.	GENERAL, OPERATIONAL AND SAFETY DUTIES	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
A.1	SUPPORT/SPECIAL EQUIPTMENT	/	/	/	/
A.2	SAFETY PRECAUTIONS AND PROCEDURES AROUND THE HELICOPTER AND WORK CENTER	/	/	/	/
A.3	HELICOPTER PUBLICATIONS, DIAGRAMS, SKETCHES AND DRAWINGS	/	/	/	/
A.4	PRECISION MEASURING EQUIPMENT(PME)	/	/	/	/
A.5	AIRCRAFT HYDRAULIC/PNEUMATIC SYSTEMS	/	/	/	/
B.	SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
B.1	TECHNICAL DIRECTIVES CHANGES/BULLETINS	XXXXXXXXXXXXXXXXX	/	/	/
B.2	CORROSION CONTROL	/	/	/	/
B.3	REQUIRED SCHEDULED/UNSCHEDULED INSPECTIONS	XXXXXXXXXXXXXXXXX	/	/	/
B.4	FLIGHT CONTROL SYSTEMS	/	/	/	/
B.5	HYDRAULIC POWER SUPPLY SYSTEMS	XXXXXXXXXXXXXXXXX	/	/	/
B.6	ROTOR BRAKE SYSTEM	XXXXXXXXXXXXXXXXX	/	/	/
B.7	AUTOMATIC FLIGHT CONTROL SYSTEM/STABILITY & CONTROL AUGMENTATION SYSTEM (AFCS/SCAS)	XXXXXXXXXXXXXXXXX	/	/	/
B.8	ORGANIZATIONAL LEVEL MAINTENANCE	/	/	/	/
B.9	REQUIRED SCHEDULED/UNSCHEDULED INSPECTIONS	XXXXXXXXXXXXXXXXX	/	/	/
B.10	FLIGHT CONTROL SYSTEMS	/	/	/	/
B.11	HYDRAULIC POWER SUPPLY SYSTEMS	XXXXXXXXXXXXXXXXX	/	/	/
B.12	ROTOR BRAKE SYSTEM	/	/	/	/
B.13	STABILITY & CONTROL AUGMENTATION SYSTEM (SCAS)	XXXXXXXXXXXXXXXXX	/	/	/
B.14	ARTICULATING PYLON SYSTEM (TOW PYLON ACTUATOR)	XXXXXXXXXXXXXXXXX	/	/	/
B.15	VIBRATION SUPRESSION SYSTEM (VSS)	XXXXXXXXXXXXXXXXX	/	/	/
B.16	ORGANIZATIONAL LEVEL MAINTENANCE	/	/	/	/

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INDIVIDUAL QUALIFICATION RECORD
HELICOPTER AIRCRAFT MECHANIC (MOS 6154)

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-4	NA19-600-19-6-1		* / /	* / /	
B	Hydraulic servicing unit	NA-1A-17		* / /	* / /	
C	Hydraulic contamination analysis kit	NA-1A-17		* / /	* / /	
D	Ground handling wheels	NA00-15-80T-96		* / /	* / /	
E	Tow bar	NA00-15-80T-96		* / /	* / /	
F	3 Ton aircraft jacks	NA00-15-80T-96		* / /	* / /	
G	5 Ton aircraft jacks	NA00-15-80T-96		* / /	* / /	
H	Throatless shears	Operators Manual	*	* / /	* / /	
I	Drill press	Operators Manual	*	* / /	* / /	
J	Grinder	Operators Manual	*	* / /	* / /	
K	Brake	Operators Manual	*	* / /	* / /	
L	Turret punch	Operators Manual	*	* / /	* / /	
M	Bench shears	Operators Manual	*	* / /	* / /	

A.2 Demonstrates/applies applicable **Safety precautions and procedures around the helicopter and work center**.

A	Ground occupational safety & health programs in specific areas					
A-1	First aid procedures	Marine BST/Essential Subjects Book		* / /	* / /	
A-2	Use of solvents/paints/strippers/ sealants (shelf life, Material Safety Data Sheets)	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 DOD 4140.27-M Local Instruction	*	* / /	* / /	
A-3	Hazardous material/waste	OPNAVIST 4790.2 Local Instruction	*	* / /	* / /	

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DA A.2 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A-4	Safety procedures near electricity	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 Local Instruction	*	* / /	* / /	
A-5	Composite material safety	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1		/ /	* / /	
A-6	Personal protective equipment (Safety/flight boots, clothing, hearing/eye protection, etc.)	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 Local Instruction	*	* / /	* / /	
A-7	Safety markings	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 Local Instruction		* / /	* / /	
B	Precautions & procedures on/around helicopters & support equipment					
B-1	Safety procedures around turning aircraft	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 Local Instruction		* / /	* / /	
B-2	Safety procedures on/near helicopter when applying or removing external electrical power	Applicable MIM’s Local Instruction		* / /	* / /	
B-3	Safety procedures on/near helicopter with use of hydraulic power	Applicable MIM’s Local Instruction		* / /	* / /	
B-4	Safety procedures on/near helicopter with ordnance, land based	Applicable MIM’s Local Instruction		* / /	* / /	
B-5	Safety procedures on/near helicopter with ordnance, ship based	Applicable MIM’s Local Instruction		* / /	* / /	
B-6	Safety procedures when jacking helicopter or while helicopter is on jacks	Applicable MIM’s Local Instruction		* / /	* / /	
B-7	Safety procedures on/near helicopter maintenance platforms	Applicable MIM’s Local Instruction		* / /	* / /	
B-8	Safety procedures when washing helicopter	Applicable MIM’s NA01-1A-509 Local Instruction		* / /	* / /	
B-9	Safety procedures on/near support equipment operations	NA00-80T-96 Local Instruction		* / /	* / /	
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	Applicable NATOPS		/ /	* / /	

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DA A.2 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C-3	Fire fighting					
C-3.1	Proper extinguishing for composite fire	Applicable MIM's		* / /	* / /	
C-3.2	Proper extinguishing for engine fire	Applicable MIM's		* / /	* / /	
C-3.3	Thermal runaway	NA-17BAD-1		* / /	* / /	
C-4	Emergency hand signals	Applicable NATOPS		* / /	* / /	
D	Hydraulic contamination	OPNAVINST 4790.2 NA01-1A-17 Local Instruction	*	* / /	* / /	
E	EMI/ESD/EMC	OPNAVINST 4790.2 Local Instruction		/ /	/ /	
F	Emergency reclamation	Applicable MIM's NA01-1A-509 Local Instruction	*	/ /	* / /	
G	Tire and wheel safety procedures	OPNAVINST 4790.2 Local Instruction	*	/ /	* / /	

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

A	Naval Aviation Maintenance Program (NAMP)	OPNAVINST 4790.2 series	*	* / /	* / /	
B	Technical Manual Program	NA00-25-100	*	/ /	* / /	
C	Structural Hardware Manual	NA01-1A-8	*	/ /	* / /	
D	Aircraft Cleaning & Corrosion Control Manual	NA01-1A-509	*	* / /	* / /	
E	Preservation of Naval Aircraft	NA15-01-500	*	/ /	* / /	
F	Preservation of Aircraft Engines	NA15-02-500	*	/ /	/ /	
G	Aviation Hydraulics Manual	NA01-1A-17	*	* / /	* / /	
H	NATOPS Manuals	NA01-XXXXX-1		* / /	* / /	
I	Maintenance Instruction Manuals (MIM's)	NA01-XXXXX(X)-2 series	*	* / /	* / /	
J	Illustrated Parts Breakdown (IPB's)	NA01-XXXXX(X)-4 series	*	* / /	* / /	
K	Maintenance Requirement Cards (MRC's)	NA01-XXXXX(X)-6-X series	*	* / /	* / /	
L	Safety Manual	OSHA 19 CFR 1910		* / /	* / /	
M	Safety Requirements for Naval Aviation Shore Activities	NAVAIR A1-NAOSH-SAF-000/P5100-1		* / /	* / /	
N	Support Equipment Manual	NA00-80T-96		/ /	* / /	
O	Pre-operational Inspection of Support Equipment	NA17-600 series NA19-600 series		* / /	* / /	

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DA A.3 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
P	Applicable Ships NATOPS Manual	Ships NATOPS		/ /	* / /	
Q	Work Unit Code Manual	NA01-110HCE-8 NA01-H1AAC-WUC-800	*	* / /	* / /	
R	Structural Repair Manuals	NA01-110HCE-3 NA01-H1AAC-3	*	* / /	* / /	

A.4 Performs tasks on the helicopter using **Precision Measuring Equipment(PME)**.

A	Operates direct pressure gauge	NA01-XXXXX(X)-2		/ /	* / /	
B	Operates dial indicator	NA01-XXXXX(X)-2		/ /	* / /	
C	Operates force gauge	NA01-XXXXX(X)-2		/ /	* / /	
D	Operates torque wrench	NA01-XXXXX(X)-2	*	* / /	* / /	
E	Operates micrometer	NA01-XXXXX(X)-3		* / /	* / /	
F	Operates push-pull gauge	NA01-XXXXX(X)-3		* / /	* / /	
G	Operates depth micrometer	NA01-XXXXX(X)-3		* / /	* / /	

A.5 Demonstrates/applies knowledge of fluids and the principles of their use as applicable to **Aircraft hydraulic/pneumatic systems**.

A	Principles of fluids & gases	NA01-1A-17	*	* / /	* / /	

INDIVIDUAL QUALIFICATION RECORD
HELICOPTER AIRCRAFT MECHANIC (MOS 6154)

B. SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES

B.1 Incorporates applicable **Technical Directives changes/bulletins**.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Rapid Action Minor Engineering Change (RAMEC) Proposals	NAVAIRINST 5215.10			/ /	* / /	
B	Incorporate Technical Directives changes/bulletins	OPNAVINST 4790.2			* / /	/ /	

B.2 Detects corrosion and performs **Corrosion control**.

A	Performs corrosion detection during all maintenance actions	NA01-1A-509		*	* / /	* / /	
B	Performs corrosion prevention during all maintenance actions	NA01-1A-509		*	* / /	* / /	
C	Performs corrective action on corrosion discrepancies	NA01-1A-509		*	* / /	* / /	
D	Performs corrosion detection/prevention on support equipment	NA017-1-125		*	* / /	* / /	

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B.3 Performs **Required scheduled/unscheduled inspections** on applicable systems/components as per Maintenance Requirement Cards on the UH-1N aircraft.

A	Performs “A” phase inspection	NA01-110HCE-6-4			* / /	* / /	
B	Performs “B” phase inspection	NA01-110HCE-6-4			* / /	* / /	
E	Performs 50-hour inspection	NA01-110HCE-6-3	13310		/ /	* / /	
D	Performs 7-day inspection	NA01-110HCE-6-3			/ /	* / /	
F	Performs 14-day inspection	NA01-110HCE-6-3			/ /	* / /	
G	Performs 28-day inspection	NA01-110HCE-6-3			/ /	* / /	

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DA B.3 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
H	Performs 56-day preservation inspection	NA01-110HCE-6-3			/ /	* / /	
I	Performs inspection of major structures during hard landing, over-stress, etc.	NA01-110HCE-2-1			/ /	* / /	
J	Performs inspection of critical structures	NA01-110HCE-2-1			/ /	* / /	
K	Performs preservation/depreservation inspection	NA01-110HCE—6-3 NA15-01-500			* / /	* / /	
L	Performs acceptance/transfer inspection	OPNAVINST 4790.2			* / /	* / /	

B.4 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **Flight control systems** of the UH-1N helicopter using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Collective controls	NA01-110HCE-2-5		*	* / /	* / /	
A-2	Pitch controls	NA01-110HCE-2-5		*	* / /	* / /	
A-3	Roll controls	NA01-110HCE-2-5		*	* / /	* / /	
A-4	Yaw controls	NA01-110HCE-2-5		*	* / /	* / /	
B	Functional check						
B-1	Collective controls	NA01-110HCE-2-5		*	* / /	* / /	
B-2	Pitch controls	NA01-110HCE-2-5		*	* / /	* / /	
B-3	Roll controls	NA01-110HCE-2-5		*	* / /	* / /	
B-4	Yaw controls	NA01-110HCE-2-5		*	* / /	* / /	
C	Fault isolation						
C-1	Collective controls	NA01-110HCE-2-5	14310		/ /	* / /	
C-2	Pitch controls	NA01-110HCE-2-5	14330		/ /	* / /	
C-3	Roll controls	NA01-110HCE-2-5	14330		/ /	* / /	
C-4	Yaw controls	NA01-110HCE-2-5	14340		/ /	* / /	
D	Organizational maintenance						
D-1	R&R collective cylinder	NA01-110HCE-2-5	1431710		* / /	* / /	
D-2	R&R left lateral servocylinder	NA01-110HCE-2-5	1438E00		* / /	* / /	
D-3	R&R right lateral servocylinder	NA01-110HCE-2-5	1438E00		* / /	* / /	
D-4	R&R tail rotor servocylinder	NA01-110HCE-2-5	1434C00		* / /	* / /	
D-5	Rigging flight controls						
D-5.1	Rigs collective system	NA01-110HCE-2-5	14310		* / /	* / /	
D-5.2	Rigs cyclic system	NA01-110HCE-2-5	14330		* / /	* / /	
D-5.3	Rigs tail rotor system	NA01-110HCE-2-5	14340		* / /	* / /	

B.5 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **Hydraulic power supply systems** of the UH-1N helicopter 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	#1 hydraulic power supply system	NA01-110HCE-2-5			* / /	* / /	
A-2	#2 hydraulic power supply system	NA01-110HCE-2-5			* / /	* / /	
B	Functional check						
B-1	#1 hydraulic power supply system	NA01-110HCE-2-5			* / /	* / /	
B-2	#2 hydraulic power supply system	NA01-110HCE-2-5			* / /	* / /	
C	Fault isolation						
C-1	#1 hydraulic power supply system	NA01-110HCE-2-5	45360		/ /	* / /	
C-2	#2 hydraulic power supply system	NA01-110HCE-2-5	45370		/ /	* / /	
D	Organizational maintenance						
D-1	Hydraulic power supply system	NA01-110HCE-2-5			/ /	/ /	
D-1.1	R&R hydraulic integrated filter/valve assembly filter elements	NA01-110HCE-2-5	4536B00		* / /	* / /	
D-1.2	R&R hydraulic integrated filter/valve assemblies	NA01-110HCE-2-5	4536B00		/ /	* / /	
D-1.3	R&R hydraulic pressure switches	NA01-110HCE-2-5	45340		* / /	/ /	
D-1.4	R&R hydraulic pumps	NA01-110HCE-2-5	4536700		/ /	* / /	
D-1.5	R&R hydraulic reservoir assemblies	NA01-110HCE-2-5	45365		/ /	/ /	
D-1.6	R&R hydraulic sampling valves	NA01-110HCE-2-5	4536C		/ /	/ /	
D-1.7	R&R hydraulic system accumulator assemblies	NA01-110HCE-2-5	4536A		/ /	/ /	
D-1.8	Detects hydraulic system contamination	NA01-110HCE-2-5 NA01-1A-17			* / /	* / /	
D-1.9	Performs hydraulic system recirculation cleaning	NA01-110HCE-2-5 NA01-1A-17			* / /	* / /	
D-1.10	Performs hydraulic system flush	NA01-110HCE-2-5 NA01-1A-17			/ /	/ /	

B.6 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **Rotor brake system** of the UH-1N helicopter using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Rotor brake system	NA01-110HCE-2-5			* / /	* / /	
B	Functional check						
B-1	Rotor brake system	NA01-110HCE-2-5			* / /	* / /	
C	Fault isolation						
C-1	Rotor brake system	NA01-110HCE-2-5			* / /	* / /	

DA B.6 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D	Organizational maintenance						
D-1	R&R rotor brake caliper assembly and disc	NA01-110HCE-2-5	26596		* / /	* / /	
D-2	R&R rotor brake master cylinder assembly	NA01-110HCE-2-5	4532300		* / /	* / /	
D-3	Services and bleeds rotor brake system	NA01-110HCE-2-5			* / /	* / /	

B.7 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **Automatic Flight Control System/Stability & Control Augmentation System (AFCS/SCAS)** of the UH-1N helicopter using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Automatic Flight Control System/Stability & Control Augmentation System(AFCS/SCAS)	NA01-110HCE-2-5			* / /	* / /	
B	Functional check						
B-1	Automatic Flight Control System/Stability & Control Augmentation System(AFCS/SCAS)	NA01-110HCE-2-5			* / /	* / /	
C	Fault isolation						
C-1	Automatic Flight Control System/Stability & Control Augmentation System(AFCS/SCAS)	NA01-110HCE-2-5	14000		/ /	* / /	
D	Organizational maintenance						
D-1	R&R yaw SCAS actuator	NA01-110HCE-2-5	575C7		* / /	* / /	
D-2	R&R pitch SCAS actuator	NA01-110HCE-2-5	575C7		* / /	* / /	
D-3	R&R roll SCAS actuator	NA01-110HCE-2-5	575C7		* / /	* / /	
D-4	R&R AFCS collective actuator	NA01-110HCE-2-5	575C7		/ /	/ /	

B.8 Performs **Organizational level maintenance** on applicable systems including the removal, installation, adjustment and alignment of the system and the associated repair or replacement on associated components on the UH-1N helicopter.

A	R&R doors	NA01-110HCE-2-2	1136A		* / /	/ /	
B	R&R windows	NA01-110HCE-2-2	11324		* / /	* / /	
C	R&R cargo door tracks	NA01-110HCE-2-2	1132800		/ /	* / /	
D	Adjusts crew door	NA01-110HCE-2-2	1132500		* / /	/ /	
E	Adjusts cargo doors	NA01-110HCE-2-2	1132800		/ /	/ /	
F	Adjusts crew door latching mechanism	NA01-110HCE-2-2	1132510		/ /	/ /	
G	Metal fabrication	NA01-110HCE-3	11000		* / /	* / /	
H	Replaces seals/weather stripping	NA01-110HCE-2-2 NA01-110HCE-3	11000		* / /	/ /	
I	R&R/Repairs ducting	NA01-110HCE-2-2 NA01-110HCE-3	41000		* / /	* / /	

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DA B.8 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
J	Performs cherry max riveting, removal & installation	NA01-1A-8	11000	*	* / /	* / /	
K	Performs solid riveting, removal & replacement	NA01-1A-8	11000	*	* / /	* / /	
L	R&R/adjusts engine panels/cowlings	NA01-110HCE-2-2 NA01-110HCE-3	29000		* / /	* / /	
M	Jacking procedures	NA01-110HCE-2-2	13310		* / /	* / /	
N	Performs skid deflection	NA01-110HCE-2-2	13310		* / /	* / /	
O	R&R crosstubes	NA01-110HCE-2-2	13310		/ /	* / /	
P	R&R skid tubes/shoes	NA01-110HCE-2-2	1331300		/ /	* / /	
Q	R&R tail skid	NA01-110HCE-2-2	13320		/ /	/ /	
R	R&R tail boom	NA01-110HCE-2-2	1136600		/ /	* / /	
S	R&R elevators	NA01-110HCE-2-5			/ /	* / /	
T	R&R and shimming of horn	NA01-110HCE-2-5			/ /	* / /	
U	Repairs blades	NA01-110HCE-3	1532100		/ /	* / /	
V	Proper mixing and application of sealants	Manufactures Instructions			* / /	* / /	
W	Proper mixing & application of structural adhesives	Manufactures Instructions			* / /	* / /	

AH-1W

B.9 Performs **Required scheduled/unscheduled inspections** on applicable systems/components as per Maintenance Requirement Cards on the AH-1W aircraft.

A	Performs “A” phase inspection	NA01-H1AAC-6-4			/ /	* / /	
B	Performs “B” phase inspection	NA01-H1AAC-6-4			/ /	* / /	
C	Performs 7-day inspection	NA01-H1AAC-6-3			* / /	* / /	
D	Performs 14-day inspection	NA01-H1AAC-6-3			* / /	* / /	
E	Performs 50-hour inspection	NA01-H1AAC-6-3			/ /	/ /	
F	Performs 28-day inspection	NA01-H1AAC-6-3			/ /	/ /	
G	Performs inspection of major structures during hard landing, over-stress, etc.	NA01-H1AAC-2-16			/ /	/ /	
H	Performs inspection of critical structures	NA01-H1AAC-2-16			/ /	/ /	
I	Performs preservation/ depreservation inspection	NA01-H1AAC-6-3 NA15-01-500			* / /	* / /	
J	Performs acceptance/ transfer inspection	OPNAVINST 4790.2			* / /	* / /	

B.10 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **Flight control systems** of the AH-1W helicopter 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	Collective controls	NA01-H1AAC-2-5		*	* / /	* / /	
A-2	Pitch controls	NA01-H1AAC-2-5		*	* / /	* / /	
A-3	Roll controls	NA01-H1AAC-2-5		*	* / /	* / /	
A-4	Yaw controls	NA01-H1AAC-2-5		*	* / /	* / /	
B	Functional check						
B-1	Collective controls	NA01-H1AAC-2-5		*	* / /	* / /	
B-2	Pitch controls	NA01-H1AAC-2-5		*	* / /	* / /	
B-3	Roll controls	NA01-H1AAC-2-5		*	* / /	* / /	
B-4	Yaw controls	NA01-H1AAC-2-5		*	* / /	* / /	
C	Fault isolation						
C-1	Collective controls	NA01-H1AAC-2-5	14310		/ /	* / /	
C-2	Pitch controls	NA01-H1AAC-2-5	14330		/ /	* / /	
C-3	Roll controls	NA01-H1AAC-2-5	14330		/ /	* / /	
C-4	Yaw controls	NA01-H1AAC-2-5	14340		/ /	* / /	
D	Organizational maintenance						
D-1	R&R collective cylinder	NA01-H1AAC-2-5	1431400		* / /	* / /	
D-2	R&R fore/aft servocylinder	NA01-H1AAC-2-5	1433400		* / /	* / /	
D-3	R&R lateral servocylinder	NA01-H1AAC-2-5	1433400		* / /	* / /	
D-4	R&R tail rotor servocylinder	NA01-H1AAC-2-5	14340		* / /	* / /	
D-5	Verify SCAS/servocylinder rigging						
D-5.1	Collective system	NA01-H1AAC-2-5	1431400		* / /	* / /	
D-5.2	Cyclic system	NA01-H1AAC-2-5	1433400		* / /	* / /	
D-5.3	Tailrotor system	NA01-H1AAC-2-5	1434200		* / /	* / /	

B.11 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **Hydraulic power supply systems** of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	#1 hydraulic power supply system	NA01-H1AAC-2-8			* / /	* / /	
A-2	#2 hydraulic power supply system	NA01-H1AAC-2-8			* / /	* / /	
A-3	Utility hydraulic power supply system	NA01-H1AAC-2-8			* / /	* / /	
B	Functional check						
B-1	#1 hydraulic power supply system	NA01-H1AAC-2-8			* / /	* / /	
B-2	#2 hydraulic power supply system	NA01-H1AAC-2-8			* / /	* / /	
B-3	Utility hydraulic power supply system	NA01-H1AAC-2-8	45380		* / /	* / /	

DA B.11 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C	Fault isolation						
C-1	#1 hydraulic power supply system	NA01-H1AAC-2-8	45360		/ /	* / /	
C-2	#2 hydraulic power supply system	NA01-H1AAC-2-8	45370		/ /	* / /	
C-3	Utility hydraulic power supply system	NA01-H1AAC-2-8	45380		/ /	* / /	
D	Organizational maintenance						
D-1	#1 hydraulic power supply system						
D-1.1	R&R #1 hydraulic module filter elements	NA01-H1AAC-2-8	45364		* / /	* / /	
D-1.2	R&R #1 hydraulic filter module assembly	NA01-H1AAC-2-8	45364		/ /	* / /	
D-1.3	R&R #1 hydraulic pump	NA01-H1AAC-2-8	4536700		/ /	* / /	
D-1.4	R&R #1 hydraulic reservoir assembly	NA01-H1AAC-2-8	45365		/ /	* / /	
D-1.5	Services & bleeds #1 hydraulic system	NA01-H1AAC-2-8			* / /	* / /	
D-2	#2 hydraulic power supply system						
D-2.1	R&R #2 hydraulic module filter elements	NA01-H1AAC-2-8	45374		* / /	* / /	
D-2.2	R&R #2 hydraulic filter module assembly	NA01-H1AAC-2-8	45374		/ /	* / /	
D-2.3	R&R #2 hydraulic pump	NA01-H1AAC-2-8	4537700		/ /	* / /	
D-2.4	R&R #2 hydraulic reservoir assembly	NA01-H1AAC-2-8	45375		/ /	* / /	
D-2.5	R&R secondary oil cooler blower motor	NA01-H1AAC-2-8	4538100		* / /	* / /	
D-2.6	R&R solenoid operated valve (oil cooler system)	NA01-H1AAC-2-8	4537A10		* / /	* / /	
D-2.7	Services & bleeds #2 hydraulic system	NA01-H1AAC-2-8			* / /	* / /	
D-3	Utility hydraulic power supply system						
D-3.1	R&R utility hydraulic system pump assembly	NA01-H1AAC-2-8	45387		/ /	* / /	
D-3.2	R&R utility hydraulic system reservoir assembly	NA01-H1AAC-2-8	45385		/ /	* / /	
D-3.3	R&R utility hydraulic filter module assembly	NA01-H1AAC-2-8	45384		/ /	* / /	
D-3.4	R&R utility hydraulic filter element, system pressure	NA01-H1AAC-2-8	45384		/ /	* / /	
D-3.5	R&R utility hydraulic filter element, system return	NA01-H1AAC-2-8	45384		/ /	* / /	
D-3.6	R&R utility hydraulic filter module pressure switch	NA01-H1AAC-2-8	45384		/ /	* / /	
D-3.7	R&R primary oil cooler blower motor	NA01-H1AAC-2-9	45384		/ /	* / /	
D-3.8	R&R oil cooler fan assembly	NA01-H1AAC-2-9	45384		/ /	* / /	
D-3.9	R&R utility fan clutch assembly	NA01-H1AAC-2-9	45384		/ /	* / /	
D-3.10	Services & bleeds utility hydraulic system	NA01-H1AAC-2-8			* / /	* / /	
D-4	Hydraulic power supply contamination control						
D-4.1	Detects hydraulic system contamination	NA01-1A-17			* / /	* / /	
D-4.2	Performs hydraulic system recirculation cleaning	NA01-1A-17			* / /	* / /	
D-4.3	Performs hydraulic system flush	NA01-1A-17			/ /	/ /	

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B.12 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **Rotor brake system** of the AH-1W helicopter 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	Rotor brake system	NA01-H1AAC-2-8		*	* / /	* / /	
B	Functional check						
B-1	Rotor brake system	NA01-H1AAC-2-8			* / /	* / /	
C	Fault isolation						
C-1	Rotor brake system	NA01-H1AAC-2-8	45320		/ /	* / /	
D	Organizational maintenance						
D-1	R&R rotor brake caliper assemblies & disc's	NA01-H1AAC-2-8	452340		* / /	* / /	
D-2	R&R rotor brake control unit assembly	NA01-H1AAC-2-8	4532300		* / /	* / /	
D-3	R&R pressure reducing valve	NA01-H1AAC-2-8	45320		/ /	* / /	
D-4	R&R/rig rotor brake control cable	NA01-H1AAC-2-8	4532310		* / /	/ /	
D-5	Services & bleeds rotor brake system	NA01-H1AAC-2-8			* / /	* / /	

B.13 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **Stability & Control Augmentation System (SCAS)** of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Stability & Control Augmentation System (SCAS)	NA01-H1AAC-2-5			* / /	* / /	
B	Functional check						
B-1	Stability & Control Augmentation System (SCAS)	NA01-H1AAC-2-5			* / /	* / /	
C	Fault isolation						
C-1	Stability & Control Augmentation System (SCAS)	NA01-H1AAC-2-5	14000		/ /	* / /	
D	Organizational maintenance						
D-1	R&R yaw SCAS actuator	NA01-H1AAC-2-5	1434210		* / /	* / /	
D-2	R&R pitch SCAS actuator	NA01-H1AAC-2-5	14333		* / /	* / /	
D-3	R&R roll SCAS actuator	NA01-H1AAC-2-5	14333		* / /	* / /	

B.14 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **Articulating pylon system (TOW pylon actuator)** of the AH-1W helicopter 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	Articulating pylon system (TOW pylon actuator)	NA01-H1AAC-2-8			* / /	* / /	
B	Functional check						
B-1	Articulating pylon system (TOW pylon actuator)	NA01-H1AAC-2-8			/ /	* / /	
C	Fault isolation						
C-1	Articulating pylon system (TOW pylon actuator)	NA01-H1AAC-2-8	74N4700		/ /	* / /	
D	Organizational maintenance						
D-1	R&R TOW pylon solenoid valve assembly	NA01-H1AAC-2-8	74N4711		/ /	/ /	
D-2	R&R TOW pylon actuator assembly	NA01-H1AAC-2-8	74N4710		/ /	* / /	

B.15 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **Vibration Suppression System (VSS)** of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Vibration Suppression System (VSS)	NA01-H1AAC-2-8			* / /	* / /	
B	Functional check						
B-1	Vibration Suppression System (VSS)	NA01-H1AAC-2-8			/ /	* / /	
C	Fault isolation						
C-1	Vibration Suppression System (VSS)	NA01-H1AAC-2-8	4537D00		/ /	* / /	
D	Organizational maintenance						
D-1	R&R vibration suppression system accumulator assembly	NA01-H1AAC-2-8	4537C		/ /	* / /	
D-2	R&R vibration suppression solenoid valve assembly	NA01-H1AAC-2-8	45378		/ /	* / /	
D-3	R&R vibration suppression system assy	NA01-H1AAC-2-8	4537D00		/ /	* / /	

B.16 Performs **Organizational level maintenance** on applicable systems including the removal, installation, adjustment and alignment of the system and the repair or replacement on associated components on the AH-1W helicopter.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	R&R canopy windows	NA01-H1AAC-2-2	1131391		/ /	* / /	
B	R&R canopy doors	NA01-H1AAC-2-2	1131390		* / /	/ /	
C	Adjusts canopy doors	NA01-H1AAC-2-2	1131390		* / /	* / /	
D	R&R canopy struts	NA01-H1AAC-2-2	11313B2		* / /	/ /	
E	R&R canopy latching mechanism	NA01-H1AAC-2-2	1131392		/ /	* / /	
F	R&R stub wings	NA01-H1AAC-2-2	11350		/ /	* / /	
G	Repairs composite panels	NA01-H1AAC-3	11000		/ /	* / /	
H	Metal fabrication	NA01-H1AAC-3	11000		* / /	/ /	
I	Replaces seals/weatherstripping	NA01-H1AAC-2-2 NA01-H1AAC-3	11000		* / /	/ /	
J	R&R/repairs ducting	NA01-H1AAC-2-2 NA01-H1AAC-3	411000		* / /	/ /	
K	Performs cherry max riveting, removal and installation	NA01-1A-8	11000	*	* / /	/ /	
L	Performs solid riveting, removal, replacement and installation	NA01-1A-8	11000	*	* / /	/ /	
M	R&R/adjusts engine panels/cowlings	NA01-H1AAC-2-2 NA01-H1AAC-3	29000		* / /	/ /	
N	Jacking procedures	NA01-H1AAC-2-2	13310		* / /	/ /	
O	Performs skid deflection	NA01-H1AAC-2-2	13310		* / /	* / /	
P	R&R crosstubes	NA01-H1AAC-2-2	13310		/ /	* / /	
Q	R&R skid tubes/shoes	NA01-H1AAC-2-2	13313		/ /	* / /	
R	R&R tail skid	NA01-H1AAC-2-2	13320		/ /	/ /	
S	R&R tail boom	NA01-H1AAC-2-2	1136500		/ /	/ /	
T	R&R structural panels	NA01-H1AAC-2-2	11000		/ /	* / /	
U	R&R firewalls	NA01-H1AAC-2-2	29H1J		/ /	* / /	
V	R&R glareshields	NA01-H1AAC-2-2	12312		/ /	/ /	
W	R&R latches	NA01-H1AAC-2-2	1131392		* / /	* / /	
X	R&R piano hinges	NA01-H1AAC-2-2	1136100		/ /	* / /	
Y	Repairs blades	NA01-H1AAC-3	1532120		/ /	* / /	
Z	Fiberglass repair	NA01-H1AAC-3	11000		/ /	* / /	
AA	Honeycomb repair	NA01-H1AAC-3	11000		/ /	* / /	
BB	R&R elevators	NA01-H1AAC-2	14360		/ /	* / /	
CC	R&R & shimming of horn	NA01-H1AAC-2	14360		/ /	* / /	
DD	Proper mixing and application of sealants	Manufacturers Instructions			* / /	* / /	
EE	Proper mixing & application of structural adhesives	Manufacturers Instructions			* / /	* / /	

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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:

_____

_____

_____

DATE: May 2002

APPENDIX C

WORK CENTER SUMMARY
HELICOPTER AIRCRAFT MECHANIC (MOS 6154)

WORK CENTER NAME/NUMBER: _____

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

DATE: May 2002

APPENDIX C

WORK CENTER SUMMARY
HELICOPTER AIRCRAFT MECHANIC (MOS 6154)

WORK CENTER NAME/NUMBER: _____

NAME/MOS	LEVEL	B.13	B.14	B.15	B.16
	II				
	III				
	IV				
	II				
	III				
	IV				
	II				
	III				
	IV				
	II				
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	IV				
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	IV				
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	III				
	IV				
	II				
	III				
	IV				
	II				
	III				
	IV				

DATE: May 2002

APPENDIX D

SUPPROT EQUIPMENT LICENSING RECORD

SUPPORT EQUIPMENT NOMENCLATURE	REFERENCE	PHASE I	PHASE II	LICENSED	EXPIRATION

NAME:_____ RANK:_____ MOS:_____ DATE: May 2002