

DUTY AREA
HELICOPTER MECHANIC (MOS 6114/6174)

A. GENERAL, OPERATING AND SAFETY DUTIES

1. Operates and maintains applicable shop support/special equipment.
2. Demonstrates/applies applicable safety precautions and procedures around the work center.
3. Demonstrates/applies knowledge of applicable publications, diagrams, sketches and drawings.
4. Performs tasks on the helicopter using precision measuring equipment.
5. Performs helicopter ground taxiing.
6. Demonstrates/applies knowledge of types and designations of fuels and lubricants used in helicopter servicing.
7. Demonstrates/applies knowledge of UH-1N/AH-1W loadex procedures.

B. SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES

1. Incorporates applicable Technical Directives changes/bulletins.
2. Detects corrosion and performs corrosion control.
3. Performs oil and fuel sampling.
4. Performs helicopter refueling/defueling.

UH-1N

5. Performs required scheduled/unscheduled inspections on applicable systems/components per Maintenance Requirement Cards on the UH-1N helicopter.
6. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the cyclic control 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 collective control system of the UH-1N helicopter using appropriate maintenance procedures and support/test equipment.
8. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the anti-torque control system of the UH-1N helicopter using appropriate maintenance procedures and support/test equipment.
9. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the main rotor system of the UH-1N helicopter using appropriate maintenance procedures and support/test equipment.
10. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the tail rotor system of the UH-1N helicopter using appropriate maintenance procedures and support/test equipment.

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11. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the power plant & related systems of the UH-1N 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 power train system of the UH-1N 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 tail rotor drive system of the UH-1N helicopter incorporating Airframes Change-339 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 oil cooler system of the UH-1N 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 fuel systems of the UH-1N helicopter using appropriate maintenance procedures and support/test equipment.
16. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the utility systems of the UH-1N helicopter using appropriate maintenance procedures and support/test equipment.

AH-1W

17. Performs required scheduled/unscheduled inspections on applicable systems/components per Maintenance Requirement Cards on the AH-1W helicopter.
18. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the cyclic control system of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.
19. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the collective control system of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.
20. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the anti-torque control system of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.
21. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the main rotor system of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.
22. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the tail rotor system of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.
23. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the power plant & related systems of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.
24. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the power train system of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.
25. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the oil cooler system of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.

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26. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **fuel system** of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.
27. Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **auxiliary fuel system** of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.

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 NAMTRAMURUNIT/"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.

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INDIVIDUAL DUTY AREA QUALIFICATION SUMMARY
HELICOPTER MECHANIC (MOS 6114/6174)

NAME/SSN _____

Granted MOS 6111 _____ / _____

Level II Completed _____ / _____

Granted MOS 6114/6174 _____ / _____

Level III Completed _____ / _____

Level IV Completed _____ / _____

| DUTY # | DUTY DESCRIPTION | LEVEL I | | LEVEL II | | LEVEL III | | LEVEL IV | |
|--------|---|------------------------------|--------|------------------------------|--------|------------------------------|--------|------------------------------|--------|
| | | DATE | / SIGN |
| A. | GENERAL, OPERATIONAL AND SAFETY DUTIES | XXXXXXXXXXXXXXXXXXXXXXXXXXXX | | XXXXXXXXXXXXXXXXXXXXXXXXXXXX | | XXXXXXXXXXXXXXXXXXXXXXXXXXXX | | XXXXXXXXXXXXXXXXXXXXXXXXXXXX | |
| A.1 | SUPPORT/SPECIAL EQUIPMENT | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| A.2 | SAFETY PRECAUTIONS AND PROCEDURES AROUND THE HELICOPTER AND WORK CENTER | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| A.3 | HELICOPTER PUBLICATIONS, DIAGRAMS, SKETCHES AND DRAWINGS | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| A.4 | PRECISION MEASURING EQUIPMENT | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| A.5 | HELICOPTER GROUND TAXIING | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| A.6 | TYPES AND DESIGNATIONS OF FUELS AND LUBRICANTS | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| A.7 | UH-1N/AH-1W LOADEX PROCEDURES | XXXXXXXXXXXXXXXXXXXXXXXXXXXX | | XXXXXXXXXXXXXXXXXXXXXXXXXXXX | | XXXXXXXXXXXXXXXXXXXXXXXXXXXX | | XXXXXXXXXXXXXXXXXXXXXXXXXXXX | |
| B. | SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES | XXXXXXXXXXXXXXXXXXXXXXXXXXXX | | XXXXXXXXXXXXXXXXXXXXXXXXXXXX | | XXXXXXXXXXXXXXXXXXXXXXXXXXXX | | XXXXXXXXXXXXXXXXXXXXXXXXXXXX | |
| B.1 | TECHNICAL DIRECTIVES CHANGES/BULLETINS | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| B.2 | CORROSION CONTROL | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| B.3 | OIL AND FUEL SAMPLING | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| B.4 | HELICOPTER REFUELING/DEFUELING | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| B.5 | REQUIRED SCHEDULED/UNSCHEDULED INSPECTIONS | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| B.6 | CYCLIC CONTROL SYSTEM | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| B.7 | COLLECTIVE CONTROL SYSTEM | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| B.8 | ANTI-TORQUE CONTROL SYSTEM | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| B.9 | MAIN ROTOR SYSTEM | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| B.10 | TAIL ROTOR SYSTEM | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| B.11 | POWER PLANT & RELATED SYSTEM | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| B.12 | POWER TRAIN SYSTEM | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| B.13 | TAIL ROTOR DRIVE SYSTEM (AFC-339) | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| B.14 | OIL COOLER SYSTEM | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| B.15 | FUEL SYSTEM | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| B.16 | UTILITY SYSTEM | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| B.17 | REQUIRED SCHEDULED/UNSCHEDULED INSPECTIONS | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| B.18 | CYCLIC CONTROL SYSTEMS | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| B.19 | COLLECTIVE CONTROL SYSTEM | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| B.20 | ANTI-TORQUE CONTROL SYSTEM | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |
| B.21 | MAIN ROTOR SYSTEM | XXXXXXXXXXXXXXXXXXXX | | | / | | / | | / |

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ITSS (MATMEP) UH-1N/AH-1W

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| DUTY # | DUTY DESCRIPTION | LEVEL I | | LEVEL II | | LEVEL III | | LEVEL IV | |
|--------|------------------------------|----------------------|--------|----------|--------|-----------|--------|----------|--------|
| | | DATE | / SIGN | DATE | / SIGN | DATE | / SIGN | DATE | / SIGN |
| B.22 | TAIL ROTOR SYSTEM | XXXXXXXXXXXXXXXXXXXX | / | / | / | / | / | / | / |
| B.23 | POWER PLANT & RELATED SYSTEM | XXXXXXXXXXXXXXXXXXXX | / | / | / | / | / | / | / |
| B.24 | POWER TRAIN SYSTEM | XXXXXXXXXXXXXXXXXXXX | / | / | / | / | / | / | / |
| B.25 | OIL COOLER SYSTEM | XXXXXXXXXXXXXXXXXXXX | / | / | / | / | / | / | / |
| B.26 | FUEL SYSTEM | XXXXXXXXXXXXXXXXXXXX | / | / | / | / | / | / | / |
| B.27 | AUXILIARY FUEL SYSTEM | XXXXXXXXXXXXXXXXXXXX | / | / | / | / | / | / | / |

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INDIVIDUAL DUTY AREA QUALIFICATION SUMMARY
HELICOTER MECHANIC (MOS 6114/6174)

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 | NT-4A, TOW BAR | NA19-600-175-6-1 | | * | / | / |
| B | Tow tractor | NA00-ADT-96 | | * | / | / |
| C | NC-10 power cart | NA00-ADT-96 | | * | / | / |
| D | Corrosion control cart | NA00-ADT-96 | | * | / | / |
| E | B-1, B-2, B-4, B-5A aircraft maintenance platforms | NA19-600-19-6-1 | | * | / | / |
| F | 3000 trailer | NA19-600-76-6-1 | | / | / | / |
| G | Ground handling wheels | NA19-15AA-7 | * | / | / | / |

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 Instr | | * | / | / |
| A-3 | Hazardous material/waste | OPNAVIST 4790.2 Local Instr | | * | / | / |
| A-4 | Safety procedures near electricity | OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 Local Instr | | / | / | * |
| A-5 | Composite material safety | OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 | | / | / | * |

DA A.2 (Continued)

| TASK # | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV | |
|--------|--|--|---------|----------|-----------|----------|-----|
| A-6 | Personal protective equipment (Safety/flight clothing, hearing/eye protection, etc.) | OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 Local Instr | | * | / / | * | / / |
| A-7 | Safety markings | OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 Local Instr | | * | / / | * | / / |
| 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 Instr | | * | / / | * | / / |
| B-2 | Safety procedures on/near helicopter when applying or removing external electrical power | Applicable MIM's Local Instr | | * | / / | * | / / |
| B-3 | Safety procedures on/near helicopter with use of hydraulic power | Applicable MIM's Local Instr | | / / | * | / / | |
| B-4 | Safety procedures on/near helicopter with ordnance, land based | Applicable MIM's Local Instr | | * | / / | * | / / |
| B-5 | Safety procedures on/near helicopter with ordnance, ship based procedures | Applicable MIM's Local Instr | | / / | * | / / | |
| B-6 | Safety procedures while helicopter is on jacks | Applicable MIM's Local Instr | | * | / / | * | / / |
| B-7 | Safety procedures on/near helicopter maintenance platforms | Applicable MIM's Local Instr | | * | / / | * | / / |
| B-8 | Safety procedures when washing helicopter | Applicable MIM's NA01-1A-509 Local Instr | | * | / / | * | / / |
| B-9 | Safety procedures on/near support equipment operations | NA00-ADT-96 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 | Fire fighting | | | | | | |
| C-2.1 | Proper extinguishing for composite fire | Applicable MIM's | | / / | * | / / | |
| C-2.2 | Proper extinguishing for engine fire | Applicable MIM's | | * | / / | * | / / |
| C-2.3 | Thermal runaway | NA-17-BAD-1 | | * | / / | * | / / |
| C-3 | Emergency hand signals | NAVAIR 00-80T-113 | | * | / / | * | / / |

DA A.2 (Continued)

| TASK # | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|--------|----------------------------------|--|---------|----------|-----------|----------|
| D | Hydraulic contamination | OPNAVINST 4790.2 NA01-1A-17 Local Instr | | / / | * / / | |
| E | EMI/ESD/EMC | OPNAVINST 4790.2 Local Instr | | / / | * / / | |
| F | Emergency reclamation | Applicable MIM's NA01-1A-509 Local Instr | | * / / | * / / | |
| G | Tire and wheel safety procedures | OPNAVINST 4790.2 Local Instr | | * / / | * / / | |

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-XXXXXX(X)-1 | | * / / | * / / | |
| I | Maintenance Instruction Manuals (MIM's) | NA01-XXXXXX(X)-2 series | | * / / | * / / | |
| J | Illustrated Parts Breakdown (IPB's) | NA01-XXXXXX(X)-4 series | | * / / | * / / | |
| K | Maintenance Requirement Cards (MRC's) | NA01-XXXXXX(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-ADT-96 | | / / | * / / | |
| O | Pre-operational Inspection of Support Equipment | NA17-600 series NA19-600 series | | * / / | * / / | |
| P | Work Unit Code Manual | NA01-110HC-8 | | * / / | * / / | |
| Q | Engine Illustrated Parts Breakdown (IPB) | NA02B-20AA-4 | | * / / | * / / | |
| R | Engine Maintenance Instruction Manual | NA02B-20AA-6-1 | | * / / | * / / | |
| S | IMA Maintenance Instruction Manuals | NA01-XXXXXX(X)-2-1 | | / / | * / / | |
| T | Naval Oil Analysis Program | NA01-1A-50 | | / / | * / / | |
| U | Vibration Analysis | NA01-1A-24 | | / / | * / / | |

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DA A.3 (Continued)

| TASK # | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|--------|--------------------------------------|-----------------|---------|----------|-----------|----------|
| V | Lifting Manual | NA17-1-114 | | / / | * / / | |
| W | Structural Repair Maintenance Manual | NA01-XXXXX(X)-1 | | / / | * / / | |

A.4 Performs tasks on the helicopter using precision measuring equipment.

| | | | | | | |
|---|---------------------------------------|-----------------|--|-------|-------|--|
| A | Operates dial indicator | NA01-XXXXX(X)-2 | | * / / | * / / | |
| B | Operates feeler gauges | NA01-XXXXX(X)-2 | | * / / | * / / | |
| C | Operates blade protractor | NA01-XXXXX(X)-2 | | * / / | * / / | |
| D | Operates depth micrometer | NA01-XXXXX(X)-2 | | * / / | * / / | |
| E | Operates torque wrenches | NA01-XXXXX(X)-2 | | * / / | * / / | |
| F | Operates vibration analysis equipment | NA01-XXXXX(X)-2 | | / / | / / | |
| G | Operates strobex/vibrex | NA01-XXXXX(X)-2 | | * / / | / / | |
| H | Operates inside & outside micrometer | NA01-XXXXX(X)-2 | | / / | * / / | |
| I | Operates blade scope | NA01-XXXXX(X)-2 | | * / / | * / / | |
| J | Operates direct reading gages | NA01-XXXXX(X)-2 | | / / | / / | |
| K | Operates push/pull gages | NA01-XXXXX(X)-2 | | * / / | * / / | |
| L | Operates Power Dyne | NA01-XXXXX(X)-2 | | * / / | * / / | |

A.5 Performs helicopter ground taxiing.

| | | | | | | |
|---|---------------------------------------|-----------------|--|-------|-------|--|
| A | Performs hand signals during launch | NA01-XXXXX(X)-1 | | * / / | * / / | |
| B | Performs hand signals during recovery | NA01-XXXXX(X)-1 | | * / / | * / / | |

A.6 Demonstrates/applies knowledge of types and designations of fuels and lubricants used in helicopter servicing.

| | | | | | | |
|-----|-------------|-----------------|--|-------|-------|--|
| A | Fuel | | | | | |
| A-1 | JP-4 | NA01-XXXXX(X)-1 | | * / / | * / / | |
| A-2 | JP-5 | NA01-XXXXX(X)-1 | | * / / | * / / | |
| A-3 | JP-8 | NA01-XXXXX(X)-1 | | * / / | * / / | |
| B | Engine oil | | | | | |
| B-1 | MIL-L-23699 | NA01-XXXXX(X)-1 | | * / / | * / / | |
| B-2 | DOD-L-85734 | NA01-XXXXX(X)-1 | | * / / | * / / | |

DA A.6 (Continued)

| TASK # | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|--------|--------------------------------------|-----------------|---------|----------|-----------|----------|
| C | Grease | | | | | |
| C-1 | MIL-G-23827 | NA01-XXXXX(X)-1 | * | / / | * | / / |
| C-2 | MIL-G-81322 | NA01-XXXXX(X)-1 | * | / / | * | / / |
| C-3 | 204-040-755-5, hanger bearing grease | NA01-XXXXX(X)-2 | * | / / | * | / / |
| D | Hydraulic fluid | | | | | |
| D-1 | MIL-H-83282 | NA01-XXXXX(X)-1 | * | / / | * | / / |

A.7 Demonstrates/applies knowledge of UH-1N/AH-1W loadex procedures.

| | | | | | | |
|-----|--|--------------|--|-----|-----|--|
| A | Organizational maintenance for AH-1W on C-130 aircraft | | | | | |
| A-1 | Aircraft preparation | NA01-H1AAC-9 | | / / | / / | |
| A-2 | Ramp setup | NA01-H1AAC-9 | | / / | / / | |
| A-3 | Aircraft load/download | NA01-H1AAC-9 | | / / | / / | |
| A-4 | Aircraft tiedown/securing | NA01-H1AAC-9 | | / / | / / | |
| B | Organizational maintenance for AH-1W on C-141 aircraft | | | | | |
| B-1 | Aircraft preparation | NA01-H1AAC-9 | | / / | / / | |
| B-2 | Ramp setup | NA01-H1AAC-9 | | / / | / / | |
| B-3 | Aircraft load/download | NA01-H1AAC-9 | | / / | / / | |
| B-4 | Aircraft tiedown/securing | NA01-H1AAC-9 | | / / | / / | |
| C | Organizational maintenance for AH-1W on C-5 aircraft | | | | | |
| C-1 | Aircraft preparation | NA01-H1AAC-9 | | / / | / / | |
| C-2 | Ramp setup | NA01-H1AAC-9 | | / / | / / | |
| C-3 | Aircraft load/download | NA01-H1AAC-9 | | / / | / / | |
| C-4 | Aircraft tiedown/securing | NA01-H1AAC-9 | | / / | / / | |
| D | Organizational maintenance for UH-1N on C-130 aircraft | | | | | |
| D-1 | Aircraft preparation | NA01-H1AAC-9 | | / / | / / | |
| D-2 | Ramp setup | NA01-H1AAC-9 | | / / | / / | |
| D-3 | Aircraft load/download | NA01-H1AAC-9 | | / / | / / | |
| D-4 | Aircraft tiedown/securing | NA01-H1AAC-9 | | / / | / / | |
| E | Organizational maintenance for UH-1N on C-141 aircraft | | | | | |
| E-1 | Aircraft preparation | NA01-H1AAC-9 | | / / | / / | |
| E-2 | Ramp setup | NA01-H1AAC-9 | | / / | / / | |
| E-3 | Aircraft load/download | NA01-H1AAC-9 | | / / | / / | |
| E-4 | Aircraft tiedown/securing | NA01-H1AAC-9 | | / / | / / | |
| F | Organizational maintenance for UH-1N on C-5 aircraft | | | | | |
| F-1 | Aircraft preparation | NA01-H1AAC-9 | | / / | / / | |
| F-2 | Ramp setup | NA01-H1AAC-9 | | / / | / / | |
| F-3 | Aircraft load/download | NA01-H1AAC-9 | | / / | / / | |
| F-4 | Aircraft tiedown/securing | NA01-H1AAC-9 | | / / | / / | |

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INDIVIDUAL QUALIFICATION RECORD
HELICOPTER MECHANIC (MOS 6114/6174)

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 | | | / / | * | / / | |

B.3 Performs oil and fuel sampling.

| | | | | | | | | |
|---|---|------------------------------------|--|---|-----|---|-----|--|
| A | Performs fuel sampling | NA01-XXXXX(X)-1 NA01-XXXXX(X)-2 | | * | / / | * | / / | |
| B | Performs engine oil sampling | NA01-XXXXX(X)-1 NA01-XXXXX(X)-2 | | | / / | * | / / | |
| C | Performs transmission oil sampling | NA01-XXXXX(X)-1 NA01-XXXXX(X)-2 | | | / / | * | / / | |
| D | Performs 42-degree gearbox oil sampling | NA01-XXXXX(X)-1 NA01-XXXXX(X)-2 | | | / / | * | / / | |
| E | Performs 90-degree gearbox oil sampling | NA01-XXXXX(X)-1 NA01-XXXXX(X)-2 | | | / / | * | / / | |

B.4 Performs helicopter refueling/defueling.

| TASK # | TASK DESCRIPTION | REFERENCE | WUC | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|--------|-----------------------------|-----------------|-----|---------|----------|-----------|----------|
| A | Performs pressure refueling | NA01-XXXXX(X)-1 | | / / | * / / | * / / | |
| | | NA01-XXXXX(X)-2 | | | | | |
| B | Performs gravity refueling | NA01-XXXXX(X)-1 | | * / / | * / / | * / / | |
| | | NA01-XXXXX(X)-2 | | | | | |
| C | Performs defueling | NA01-XXXXX(X)-1 | | / / | * / / | * / / | |
| | | NA01-XXXXX(X)-2 | | | | | |

UH-1N

B.5 Performs required scheduled/unscheduled inspections on applicable systems/components per Maintenance Requirement Cards on the UH-1N helicopter.

| | | | | | | | | |
|---|--|--------------------------------------|--|---|-----|---|-----|--|
| A | Performs "A" phase inspection | NA01-110HCE-6-4 | | * | / / | * | / / | |
| B | Performs "B" phase inspection | NA01-110HCE-6-4 | | * | / / | * | / / | |
| C | Performs 14 day inspection | NA01-110HCE-6-3 | | * | / / | * | / / | |
| D | Performs 25-hour airframe inspection | NA01-110HCE-6-3 | | * | / / | * | / / | |
| E | Performs 25-hour engine inspection | NA01-110HCE-6-3 | | * | / / | * | / / | |
| F | Performs 50-hour inspection | NA01-110HCE-6-3 | | / | / | * | / / | |
| G | Performs 800-hour engine and C box oil filter inspection | NA01-110HCE-6-3 | | / | / | / | / | |
| H | Performs 800-hour main rotor inspection | NA01-110HCE-6-3 | | / | / | / | / | |
| I | Performs hard landing inspection | NA01-110HCE-2-3 NA01-110HCE-2-3.1 | | / | / | / | / | |
| J | Performs sudden stoppage inspection | NA01-110HCE-2-3 NA01-110HCE-2-3.1 | | / | / | / | / | |
| K | Performs NR overspeed inspection | NA01-110HCE-2-3 NA01-110HCE-2-3.1 | | / | / | / | / | |
| L | Performs overtorque inspection | NA01-110HCE-2-3 NA01-110HCE-2-3.1 | | / | / | / | / | |
| M | Performs engine overspeed inspection | NA01-110HCE-2-3 NA01-110HCE-2-3.1 | | / | / | / | / | |
| N | Performs power section overtemperature inspection | NA01-110HCE-2-3 NA01-110HCE-2-3.1 | | / | / | / | / | |
| O | Performs power section overtorque inspection | NA01-110HCE-2-3 NA01-110HCE-2-3.1 | | / | / | / | / | |
| P | Performs suspected FOD/icing ingestion inspection | NA01-110HCE-2-3 NA01-110HCE-2-3.1 | | / | / | / | / | |

DA B.5 (Continued)

| TASK # | TASK DESCRIPTION | REFERENCE | WUC | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|--------|---|--------------------------------------|-----|---------|----------|-----------|----------|
| S | Performs compressor stall inspection | NA01-110HCE-2-3 NA01-110HCE-2-3.1 | | | / / | / / | |
| T | Performs subjected to salt water inspection | NA01-110HCE-2-3 NA01-110HCE-2-3.1 | | | / / | / / | |
| U | Performs unusual transmission noises inspection | NA01-110HCE-2-3 NA01-110HCE-2-3.1 | | | / / | / / | |
| V | Performs after engine oil overtemp inspection | NA01-110HCE-2-3 NA01-110HCE-2-3.1 | | | / / | / / | |
| W | Performs after jammed/restricted flight controls inspection | NA01-110HCE-6-3 NA15-01-500 | | | / / | * / / | |
| X | Performs preservation/depreservation inspection | NA01-110HCE-6-3 NA15-01-500 | | | / / | / / | |
| Y | Performs acceptance/transfer inspections | OPNAVINST 4790.2 | | | / / | / / | |
| Z | Performs daily inspections | NA01-110HCE-6-2 | | | * / / | * / / | |
| AA | Performs turnaround inspection | NA01-110HCE-6-3 | | | * / / | * / / | |

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

| | | | | | | | |
|-----|-------------------------------|-----------------|---------|--|-------|-------|--|
| A | Theory of operation | | | | | | |
| A-1 | Cyclic control system | NA01-110HCE-2-5 | | | * / / | * / / | |
| B | Functional check | | | | | | |
| B-1 | Cyclic control system | NA01-110HCE-2-5 | | | / / | * / / | |
| C | Fault isolation | | | | | | |
| C-1 | Cyclic control system | NA01-110HCE-2-5 | 14000 | | / / | * / / | |
| D | Organizational maintenance | | | | | | |
| D-1 | R&R cyclic stick | NA01-110HCE-2-5 | 1438100 | | / / | * / / | |
| D-2 | R&R cyclic control tubes | NA01-110HCE-2-5 | 1438C | | / / | * / / | |
| D-3 | R&R force gradient | NA01-110HCE-2-5 | 1438300 | | / / | * / / | |
| D-4 | R&R mag brake/rotary actuator | NA01-110HCE-2-5 | 14386 | | / / | * / / | |
| D-5 | Rigs cyclic controls | NA01-110HCE-2-5 | 14000 | | / / | * / / | |

B.7 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the collective control system of the UH-1N helicopter using appropriate maintenance procedures and support/test equipment.

| | | | | | | | |
|-----|---------------------------|-----------------|--|--|-------|-------|--|
| A | Theory of operation | | | | | | |
| A-1 | Collective control system | NA01-110HCE-2-5 | | | * / / | * / / | |
| B | Functional check | | | | | | |
| B-1 | Collective control system | NA01-110HCE-2-5 | | | / / | * / / | |

DA B.7 (Continued)

| TASK # | TASK DESCRIPTION | REFERENCE | WUC | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|--------|-----------------------------------|-----------------|---------|---------|----------|-----------|----------|
| C | Fault isolation | | | | | | |
| C-1 | Collective control system | NA01-110HCE-2-5 | 14310 | | / / | * / / | |
| D | Organizational maintenance | | | | | | |
| D-1 | R&R pilots collective stick | NA01-110HCE-2-5 | 1431300 | | / / | * / / | |
| D-2 | R&R collective control tubes | NA01-110HCE-2-5 | 1431C | | / / | * / / | |
| D-3 | Rigs collective control system | NA01-110HCE-2-5 | 14000 | | / / | * / / | |
| D-4 | Adjusts collective stick friction | NA01-110HCE-2-5 | 14000 | | / / | * / / | |
| D-5 | R&R mag brake/rotary actuator | NA01-110HCE-2-5 | 14318 | | / / | * / / | |

B.8 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the anti-torque control system of the UH-1N helicopter using appropriate maintenance procedures and support/test equipment.

| A | Theory of operation | | | | | | |
|-----|---------------------------------|-----------------|---------|--|-----|-------|-------|
| A-1 | Anti-torque control system | NA01-110HCE-2-5 | | | * | / / | * / / |
| B | Functional check | | | | | | |
| B-1 | Anti-torque control system | NA01-110HCE-2-5 | | | / / | * / / | |
| C | Fault isolation | | | | | | |
| C-1 | Anti-torque control system | NA01-110HCE-2-5 | 15330 | | / / | * / / | |
| D | Organizational maintenance | | | | | | |
| D-1 | R&R control tubes/bellcranks | NA01-110HCE-2-5 | 1533330 | | / / | * / / | |
| D-2 | Rigs anti-torque control system | NA01-110HCE-2-5 | 1533210 | | / / | * / / | |
| D-3 | R&R mag brake | NA01-110HCE-2-5 | 14318 | | / / | * / / | |
| D-4 | R&R force gradient | NA01-110HCE-2-5 | 1431710 | | / / | * / / | |

B.9 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the main rotor system of the UH-1N helicopter using appropriate maintenance procedures and support/test equipment.

| A | Theory of operation | | | | | | |
|-----|--|-----------------|--|--|-----|-------|-------|
| A-1 | Main rotor system | NA01-110HCE-2-6 | | | * | / / | * / / |
| B | Functional check | | | | | | |
| B-1 | Main rotor hub and blade assembly | NA01-110HCE-2-6 | | | / / | * / / | |
| B-2 | Mixing lever assemblies | NA01-110HCE-2-6 | | | / / | * / / | |
| B-3 | Stabilizer bar and support assemblies | NA01-110HCE-2-6 | | | / / | * / / | |
| B-4 | Stabilizer bar dampeners & control tubes | NA01-110HCE-2-6 | | | / / | * / / | |
| B-5 | Swashplate and support assembly | NA01-110HCE-2-6 | | | / / | * / / | |
| B-6 | Scissors and sleeve assembly | NA01-110HCE-2-6 | | | / / | * / / | |

DA B.9 (Continued)

| TASK # | TASK DESCRIPTION | REFERENCE | WUC | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|--------|---|-----------------|----------|---------|----------|-----------|----------|
| C | Fault isolation | | | | | | |
| C-1 | Main rotor hub & blade assembly | NA01-110HCE-2-6 | 15320 | | / / | * / / | |
| C-2 | Mixing lever assemblies | NA01-110HCE-2-6 | 1531830 | | / / | * / / | |
| C-3 | Stabilizer bar and support assemblies | NA01-110HCE-2-6 | 1531820 | | / / | * / / | |
| C-4 | Stabilizer bar dampeners & control tubes | NA01-110HCE-2-6 | 1531821 | | / / | * / / | |
| C-5 | Swashplate and support assembly | NA01-110HCE-2-6 | 1531300 | | / / | * / / | |
| C-6 | Scissors and sleeve assembly | NA01-110HCE-2-6 | 1531100 | | / / | * / / | |
| D | Organizational maintenance | | | | | | |
| D-1 | R&R main rotor hub | NA01-110HCE-2-6 | 1531130 | * | / / | * / / | |
| D-2 | R&R main rotor blades | NA01-110HCE-2-6 | 1532130 | * | / / | * / / | |
| D-3 | Scopes main rotor blades | NA01-110HCE-2-6 | 15321140 | * | / / | * / / | |
| D-4 | Sets minimum blade angle | NA01-110HCE-2-6 | 15321140 | * | / / | * / / | |
| D-5 | R&R pitch change links | NA01-110HCE-2-6 | 1531400 | * | / / | * / / | |
| D-6 | R&R stabilizer bar assembly | NA01-110HCE-2-6 | 1531820 | | / / | * / / | |
| D-7 | R&R mixing levers | NA01-110HCE-2-6 | 1531830 | * | / / | * / / | |
| D-8 | R&R stabilizer bar dampeners | NA01-110HCE-2-6 | 1531840 | | / / | * / / | |
| D-9 | Rigs stabilizer bar dampeners | NA01-110HCE-2-6 | 1531840 | * | / / | * / / | |
| D-10 | R&R scissors & sleeve assembly | NA01-110HCE-2-6 | 1531100 | * | / / | * / / | |
| D-11 | R&R collective lever bearing | NA01-110HCE-2-6 | 1531A33 | * | / / | * / / | |
| D-12 | R&R collective lever | NA01-110HCE-2-6 | 15317 | * | / / | * / / | |
| D-13 | R&R swashplate & support assembly | NA01-110HCE-2-6 | 1531300 | * | / / | * / / | |
| D-14 | R&R trunnions | NA01-110HCE-2-6 | 1533130 | * | / / | / / | |
| D-15 | Tracks/balances main rotor assembly (pole) | NA01-110HCE-2-6 | 1532140 | | / / | / / | |
| D-16 | Tracks/balances main rotor assembly (8500C) | NA01-110HCE-24 | 15320 | | / / | / / | |
| D-17 | Tracks/balances main rotor assembly (VATS) | NA01-110HCE-2-6 | 15320 | | / / | / / | |
| D-18 | Performs vibration analysis (VATS) | NA01-110HCE-2-6 | 15320 | | / / | / / | |
| D-19 | Performs vibration analysis (8500C) | NA01-110HCE-24 | 15320 | | / / | / / | |

B.10 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the tail rotor system of the UH-1N helicopter using appropriate maintenance procedures and support/test equipment.

| | | | | | | | |
|-----|---------------------|-----------------|-------|---|-----|-------|--|
| A | Theory of operation | | | | | | |
| A-1 | Tail rotor system | NA01-110HCE-2-6 | | * | / / | * / / | |
| B | Functional check | | | | | | |
| B-1 | Tail rotor system | NA01-110HCE-2-6 | | | / / | * / / | |
| C | Fault isolation | | | | | | |
| C-1 | Tail rotor system | NA01-110HCE-2-6 | 15330 | | / / | * / / | |

DA B.10 (Continued)

| TASK # | TASK DESCRIPTION | REFERENCE | WUC | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|--------|---|-----------------|---------|---------|----------|-----------|----------|
| D | Organizational maintenance | | | | | | |
| D-1 | R&R tail rotor hub and blade assembly | NA01-110HCE-2-6 | 15330 | * | / / | * | |
| D-2 | R&R crosshead assembly | NA01-110HCE-2-6 | 1533160 | * | / / | * | |
| D-3 | R&R pitch change link assembly | NA01-110HCE-2-6 | 1533330 | * | / / | * | |
| D-4 | R&R thrust bearing | NA01-110HCE-2-6 | 1533170 | * | / / | * | |
| D-5 | Tracks/balances tail rotor assembly (pole) | NA01-110HCE-2-6 | 1533210 | | / / | * | |
| D-6 | Tracks/balances tail rotor assembly (8500C) | NA01-110HCE-24 | 1533210 | | / / | / / | |
| D-6 | Tracks/balances tail rotor assembly (VATS) | NA01-110HCE-2-6 | 1533210 | | / / | * | |
| D-8 | Performs Vibration Analysis (VATS) | NA01-110HCE-2-6 | 1533210 | | / / | / / | |
| D-9 | Performs Vibration Analysis (8500C) | NA01-110HCE-24 | 1533210 | | / / | / / | |

B.11 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the power plant & related systems of the UH-1N helicopter using appropriate maintenance procedures and support/test equipment.

| | | | | | | | |
|------|--------------------------------|-----------------|---------|---|-----|-----|-----|
| A | Theory of operation | | | | | | |
| A-1 | Power section | NA01-110HCE-2-3 | | * | / / | * | / / |
| A-2 | Combining gearbox | NA01-110HCE-2-3 | | * | / / | * | / / |
| B | Functional check | | | | | | |
| B-1 | Power section | NA01-110HCE-2-3 | | | / / | * | / / |
| C | Fault isolation | | | | | | |
| C-1 | Power section | NA01-110HCE-2-3 | 22000 | | / / | * | / / |
| C-2 | Combining gearbox | NA01-110HCE-2-3 | 22CC0 | | / / | * | / / |
| D | Organizational maintenance | | | | | | |
| D-1 | R&R engine package | NA01-110HCE-2-3 | 22CBO | * | / / | * | / / |
| D-2 | R&R engine mounts | NA01-110HCE-2-3 | 29HE10 | | / / | / / | |
| D-3 | R&R fuel line | NA01-110HCE-2-3 | 22264 | | / / | / / | |
| D-4 | R&R engine fuel filters | NA01-110HCE-2-3 | 22CBB | | / / | / / | |
| D-5 | R&R engine fuel manifolds | NA01-110HCE-2-3 | 2226320 | | / / | / / | |
| D-6 | R&R fuel nozzles | NA01-110HCE-2-3 | 22264 | | / / | / / | |
| D-7 | R&R engine flow divider | NA01-110HCE-2-3 | 22268 | | / / | * | / / |
| D-8 | R&R engine fuel surge dampener | NA01-110HCE-2-3 | 2226200 | | / / | / / | |
| D-9 | R&R combustion drain valve | NA01-110HCE-2-3 | 22267 | | / / | * | / / |
| D-10 | R&R engine driven fuel pump | NA01-110HCE-2-3 | 22CBB | | / / | / / | |
| D-11 | R&R automatic fuel control | NA01-110HCE-2-3 | 22CBA | | / / | * | / / |
| D-12 | Rig automatic fuel control | NA01-110HCE-2-3 | 22CBA | | / / | * | / / |
| D-13 | R&R manual fuel control | NA01-110HCE-2-3 | 22CB8 | | / / | * | / / |
| D-14 | Rigs manual fuel control | NA01-110HCE-2-3 | 22CB8 | | / / | * | / / |
| D-15 | R&R igniter plugs | NA01-110HCE-2-3 | 22293 | | / / | / / | |
| D-16 | R&R engine oil filters | NA01-110HCE-2-3 | 22278 | | / / | * | / / |
| D-17 | R&R oil scavenge/return tube | NA01-110HCE-2-3 | 22CBP | | / / | / / | |
| D-18 | R&R oil to fuel heat exchanger | NA01-110HCE-2-3 | 22CBE | | / / | / / | |

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DA B.11 (Continued)

| TASK # | TASK DESCRIPTION | REFERENCE | WUC | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|--------|--------------------------------------|-----------------|---------|---------|----------|-----------|----------|
| D-19 | R&R engine oil cooler | NA01-110HCE-2-3 | 29H1B00 | | / / | * / / | |
| D-20 | R&R engine oil cooler blower | NA01-110HCE-2-3 | 29H1D40 | | / / | * / / | |
| D-21 | R&R oil pressure differential switch | NA01-110HCE-2-3 | 165E100 | | / / | / / | |
| D-22 | R&R engine oil sight gauges | NA01-110HCE-2-3 | 22270 | | / / | / / | |
| D-23 | R&R torque control unit | NA01-110HCE-2-3 | 22CC1 | | / / | * / / | |
| D-24 | R&R NF governor | NA01-110HCE-2-3 | 22CB100 | | / / | * / / | |
| D-25 | Rigs NF governor | NA01-110HCE-2-3 | 22CB100 | * | / / | * / / | |
| D-26 | R&R compressor bleed air valve | NA01-110HCE-2-3 | 22CB260 | | / / | * / / | |
| D-27 | R&R compressor inlet screen | NA01-110HCE-2-3 | 22CB5 | | / / | / / | |
| D-28 | R&R ejector assembly | NA01-110HCE-2-3 | 29H1A10 | * | / / | / / | |
| D-29 | R&R power lever controls | NA01-110HCE-2-3 | 29H1600 | | / / | * / / | |
| D-30 | Rigs power lever controls | NA01-110HCE-2-3 | 29H1600 | * | / / | * / / | |
| D-31 | R&R flight idle solenoid | NA01-110HCE-2-3 | 22CBK | | / / | * / / | |
| D-32 | Rigs flight idle solenoid | NA01-110HCE-2-3 | 22CBK | | / / | / / | |
| D-33 | Rigs droop compensator | NA01-110HCE-2-3 | 29H1600 | * | / / | * / / | |
| D-34 | R&R linear actuator | NA01-110HCE-2-3 | 29H1600 | | / / | * / / | |
| D-35 | Rigs linear actuator | NA01-110HCE-2-3 | 29H1600 | * | / / | * / / | |
| D-36 | R&R pressure refueling valve | NA01-110HCE-2-3 | 4600 | | / / | / / | |
| D-37 | Rigs/adjusts fuel control units | NA01-110HCE-2-3 | 4600 | | / / | * / / | |
| D-38 | R&R C-box output coupling | NA01-110HCE-2-3 | 22251 | * | / / | / / | |
| D-39 | Rigs NF system | NA01-110HCE-2-3 | 22CBA | * | / / | * / / | |

B.12 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **power train system** of the UH-1N helicopter not incorporating Airframes Frames Change-339 using appropriate maintenance procedures and support/test equipment.

| | | | | | | | |
|-----|----------------------------|-----------------|--|---|-----|-------|--|
| A | Theory of operation | | | | | | |
| A-1 | Main transmission assembly | NA01-110HCE-2-4 | | * | / / | * / / | |
| A-2 | Intermediate gearbox | NA01-110HCE-2-4 | | * | / / | * / / | |
| A-3 | Tail rotor gearbox | NA01-110HCE-2-4 | | * | / / | * / / | |
| A-4 | Main drive shaft | NA01-110HCE-2-4 | | * | / / | * / / | |
| A-5 | Tail rotor drive system | NA01-110HCE-2-4 | | * | / / | * / / | |
| A-6 | Mast assembly | NA01-110HCE-2-4 | | * | / / | * / / | |
| B | Functional check | | | | | | |
| B-1 | Main transmission assembly | NA01-110HCE-2-4 | | / | / | * / / | |
| B-2 | Intermediate gearbox | NA01-110HCE-2-4 | | / | / | * / / | |
| B-3 | Tail rotor gearbox | NA01-110HCE-2-4 | | / | / | * / / | |
| B-4 | Main drive shaft | NA01-110HCE-2-4 | | / | / | * / / | |
| B-5 | Tail rotor drive system | NA01-110HCE-2-4 | | / | / | * / / | |
| B-6 | Mast assembly | NA01-110HCE-2-4 | | / | / | * / / | |

DA B.12 (Continued)

| TASK # | TASK DESCRIPTION | REFERENCE | WUC | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|--------|---------------------------------------|-----------------|---------|---------|----------|-----------|----------|
| C | Fault isolation | | | | | | |
| C-1 | Main transmission assembly | NA01-110HCE-2-4 | 26580 | | / / | * / / | |
| C-2 | Intermediate gearbox | NA01-110HCE-2-4 | 26540 | | / / | * / / | |
| C-3 | Tail rotor gearbox | NA01-110HCE-2-4 | 26550 | | / / | * / / | |
| C-4 | Main drive shaft | NA01-110HCE-2-4 | 26510 | | / / | * / / | |
| C-5 | Tail rotor drive system | NA01-110HCE-2-4 | 26530 | | / / | * / / | |
| C-6 | Mast assembly | NA01-110HCE-2-4 | 26560 | | / / | * / / | |
| D | Organizational maintenance | | | | | | |
| D-1 | Main transmission | | | | | | |
| D-1.1 | R&R main transmission | NA01-110HCE-2-4 | 26580 | * | / / | * / / | |
| D-1.2 | R&R pylon mounts | NA01-110HCE-2-4 | 265A0 | | / / | * / / | |
| D-1.3 | Perform engine/transmission alignment | NA01-110HCE-2-4 | 26580 | * | / / | / / | |
| D-1.4 | R&R friction dampeners (viscous) | NA01-110HCE-2-4 | 265A0 | | / / | * / / | |
| D-1.5 | R&R lift link | NA01-110HCE-2-4 | 1133110 | * | / / | / / | |
| D-1.6 | R&R transmission sump filter | NA01-110HCE-2-4 | 2658C30 | | / / | * / / | |
| D-1.7 | R&R external oil filter | NA01-110HCE-2-4 | 2658400 | | / / | * / / | |
| D-1.8 | R&R transmission sight gauges | NA01-110HCE-2-4 | 26580 | | / / | / / | |
| D-1.9 | R&R main input quill | NA01-110HCE-2-4 | 2658B00 | | / / | * / / | |
| D-1.10 | R&R tail rotor output quill | NA01-110HCE-2-4 | 2658C60 | | / / | * / / | |
| D-1.11 | R&R rotor brake quill | NA01-110HCE-2-4 | 2658700 | | / / | * / / | |
| D-1.12 | R&R hydraulic pump quill | NA01-110HCE-2-4 | 45360 | | / / | / / | |
| D-1.13 | Adjust transmission oil pressure | NA01-110HCE-2-4 | 1658810 | | / / | / / | |
| D-2 | Intermediate gearbox | | | | | | |
| D-2.1 | R&R intermediate gearbox | NA01-110HCE-2-4 | 26540 | | / / | * / / | |
| D-2.2 | Repack couplings | NA01-110HCE-2-4 | 26541 | | / / | / / | |
| D-3 | Tail rotor gearbox | | | | | | |
| D-3.1 | R&R tail rotor gearbox | NA01-110HCE-2-4 | 26550 | * | / / | * / / | |
| D-3.2 | R&R jackshaft | NA01-110HCE-2-4 | 26553 | * | / / | * / / | |
| D-3.3 | R&R excluder and housing | NA01-110HCE-2-4 | 26556 | * | / / | * / / | |
| D-3.4 | Repack couplings | NA01-110HCE-2-4 | 26552 | | / / | / / | |
| D-4 | Main drive shaft | | | | | | |
| D-4.1 | R&R main drive shaft | NA01-110HCE-2-4 | 26510 | * | / / | * / / | |
| D-5 | Tail rotor drive system | | | | | | |
| D-5.1 | R&R tail rotor drive shaft | NA01-110HCE-2-4 | 26539 | * | / / | * / / | |
| D-5.2 | R&R hanger bearing assembly | NA01-110HCE-2-4 | 26530 | * | / / | * / / | |
| D-6 | Mast assembly | | | | | | |
| D-6.1 | R&R mast assembly | NA01-110HCE-2-4 | 26510 | * | / / | * / / | |

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B.13 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the tail rotor drive system of the UH-1N helicopter incorporating Airframes Frames Change-339 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 | Tail rotor drive system (AFC-339) | NA01-110HCE-2-4 | | * | / / | * | / / |
| B | Functional check | | | | | | |
| B-1 | Tail rotor drive system (AFC-339) | NA01-110HCE-2-4 | | | / / | * | / / |
| C | Fault isolation | | | | | | |
| C-1 | Tail rotor drive system (AFC-339) | NA01-110HCE-2-4 | 2600 | | / / | * | / / |
| D | Organizational maintenance | | | | | | |
| D-1 | R&R transmission tail rotor driveshaft output quill | NA01-110HCE-2-4 | 2658N00 | | / / | / | / |
| D-2 | R&R flex coupling assembly | NA01-110HCE-2-4 | 26530 | * | / / | * | / / |
| D-3 | R&R flex hanger assembly | NA01-110HCE-2-4 | 26530 | * | / / | * | / / |
| D-4 | R&R hanger bearing assembly | NA01-110HCE-2-4 | 26530 | * | / / | * | / / |
| D-5 | R&R tail rotor driveshaft | NA01-110HCE-2-4 | 26530 | * | / / | * | / / |
| D-6 | R&R Thomas coupling | NA01-110HCE-2-4 | 26530 | * | / / | * | / / |
| D-7 | R&R intermediate gearbox | NA01-110HCE-2-4 | 26540 | * | / / | * | / / |
| D-8 | Tail rotor gearbox | | | | | | |
| D-8.1 | R&R tail rotor gearbox | NA01-110HCE-2-4 | 26550 | * | / / | * | / / |
| D-8.2 | R&R jackshaft | NA01-110HCE-2-4 | 26553 | * | / / | * | / / |
| D-8.3 | R&R excluder and housing | NA01-110HCE-2-4 | 26555 | * | / / | * | / / |
| D-8.4 | R&R tail rotor gearbox input quill adapter | NA01-110HCE-2-4 | 26552 | * | / / | * | / / |

B.14 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the oil cooler system of the UH-1N helicopter using appropriate maintenance procedures and support/test equipment.

| | | | | | | | |
|-----|-----------------------------------|-----------------|---------|---|-----|---|-----|
| A | Theory of operation | | | | | | |
| A-1 | Oil cooler system | NA01-110HCE-2-3 | | * | / / | / | / |
| B | Functional check | | | | | | |
| B-1 | Oil cooler system | NA01-110HCE-2-3 | | | / / | / | / |
| C | Fault isolation | | | | | | |
| C-1 | Oil cooler system | NA01-110HCE-2-3 | 265B0 | | / / | / | / |
| D | Organizational maintenance | | | | | | |
| D-1 | R&R engine oil cooler | NA01-110HCE-2-3 | 2658A00 | | / / | * | / / |
| D-2 | R&R transmission/C-box oil cooler | NA01-110HCE-2-3 | 265B0 | | / / | * | / / |

B.15 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **fuel system** 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 | Fuel system | NA01-110HCE-2-3 | | * | / / | * | / / |
| B | Functional check | | | | | | |
| B-1 | Fuel system | NA01-110HCE-2-3 | | | / / | * | / / |
| C | Fault isolation | | | | | | |
| C-1 | Fuel system | NA01-110HCE-2-3 | 4600 | | / / | * | / / |
| D | Organizational maintenance | | | | | | |
| D-1 | R&R fuel cells | NA01-110HCE-2 | 11320 | | / / | / / | / / |
| D-2 | R&R boost pump | NA01-110HCE-2-3 | 11320 | | / / | / / | / / |
| D-3 | R&R interconnect valve | NA01-110HCE-2-3 | 4641700 | | / / | / / | / / |
| D-4 | R&R fuel shutoff valve | NA01-110HCE-2-3 | 46415 | | / / | / / | / / |
| D-5 | R&R airframe fuel filter | NA01-110HCE-2-3 | 4600 | | / / | / / | / / |
| D-6 | R&R pressure refueling valve | NA01-110HCE-2-3 | 4641100 | | / / | / / | / / |
| D-7 | R&R dual shutoff valve | NA01-110HCE-2-3 | 4641150 | | / / | / / | / / |

B.16 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the **utility system** of the UH-1N helicopter using appropriate maintenance procedures and support/test equipment.

| | | | | | | | |
|-------|----------------------------|-----------------|---------|---|-----|-----|-----|
| A | Theory of operation | | | | | | |
| A-1 | Auxiliary fuel system | NA01-110HCE-2-7 | | * | / / | * | / / |
| A-2 | Rescue hoist assembly | NA01-110HCE-2-7 | | * | / / | / / | / / |
| A-3 | Cargo suspension assembly | NA01-110HCE-2-7 | | * | / / | / / | / / |
| A-4 | Litter kit | NA01-110HCE-2-7 | | * | / / | / / | / / |
| A-5 | Fast rope gantry | NA01-110HCE-2-7 | | * | / / | / / | / / |
| B | Functional check | | | | | | |
| B-1 | Auxiliary fuel system | NA01-110HCE-2-7 | | | / / | * | / / |
| B-2 | Rescue hoist assembly | NA01-110HCE-2-7 | | | / / | / / | / / |
| B-3 | Cargo suspension assembly | NA01-110HCE-2-7 | | | / / | * | / / |
| C | Fault isolation | | | | | | |
| C-1 | Auxiliary fuel system | NA01-110HCE-2-7 | 4641400 | | / / | * | / / |
| C-2 | Rescue hoist assembly | NA01-110HCE-2-7 | 49550 | | / / | / / | / / |
| C-3 | Cargo suspension assembly | NA01-110HCE-2-7 | 49540 | | / / | * | / / |
| D | Organizational maintenance | | | | | | |
| D-1 | Auxiliary fuel system | | | | | | |
| D-1.1 | R&R auxiliary fuel cell | NA01-110HCE-2-7 | 46419 | * | / / | * | / / |
| D-1.2 | R&R auxiliary fuel pump | NA01-110HCE-2-7 | 46419 | | / / | * | / / |

DA B.16 (Continued)

| TASK # | TASK DESCRIPTION | REFERENCE | WUC | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|--------|-------------------------------|-----------------|--------|---------|----------|-----------|----------|
| D-2 | Rescue hoist assembly | | | | | | |
| D-2.1 | R&R rescue hoist assembly | NA01-110HCE-2-7 | 495510 | * | / / | / / | |
| D-2.2 | R&R rescue hoist hook | NA01-110HCE-2-7 | 49557 | * | / / | / / | |
| D-3 | R&R cargo suspension assembly | NA01-110HCE-2-7 | 49540 | * | / / | / / | |
| D-4 | R&R fast rope gantry | NA01-110HCE-2-7 | 49540 | * | / / | / / | |

AH-1W

B.17 Performs required scheduled/unscheduled inspections on applicable systems/components 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 14-day inspection | NA01-H1AAC-6-3 | | * | / / | * | / / | |
| D | Performs 50-hour inspection (engine) | NA01-H1AAC-6-3 | | * | / / | * | / / | |
| E | Performs 400-hour inspection (engine) | NA01-H1AAC-6-3 | | | / / | * | / / | |
| F | Performs 1100-hour inspection | NA01-H1AAC-6-3 | | | / / | / | / / | |
| G | Performs engine over temperature inspection | NA01-H1AAC-2-16 | | | / / | / | / / | |
| H | Performs engine over speed inspection | NA01-H1AAC-2-16 | | | / / | / | / / | |
| I | Performs engine sudden stoppage inspection | NA01-H1AAC-2-16 | | | / / | / | / / | |
| J | Performs engine over torque inspection | NA01-H1AAC-2-16 | | | / / | / | / / | |
| K | Performs hard landing inspection | NA01-H1AAC-2-16 | | | / / | / | / / | |
| L | Performs subjected to salt water inspection | NA01-H1AAC-2-16 | | | / / | / | / / | |
| M | Performs main/tail rotor sudden stoppage inspection | NA01-H1AAC-2-16 | | | / / | | / / | |
| N | Performs main/tail rotor over speed inspection | NA01-H1AAC-2-16 | | | / / | | / / | |
| O | Performs over torque inspection | NA01-H1AAC-2-16 | | | / / | | / / | |
| P | Performs preservation/ depreservation inspection | NA01-H1AAC-6-3 NA15-01-500 | | | / / | | / / | |
| Q | Performs acceptance/transfer inspection | OPNAVINST 4790.2 | | | / / | | / / | |
| R | Performs daily inspection | NA01-XXXXX(X)-6-3 | | * | / / | * | / / | |
| S | Performs turnaround inspection | NA01-XXXXX(X)-6-3 | | * | / / | * | / / | |

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B.18 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the cyclic control 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 | Lateral cyclic control system | NA01-H1AAC-2-5 | | * | / / | * | / / |
| A-2 | FORE/AFT cyclic control system | NA01-H1AAC-2-5 | | * | / / | * | / / |
| B | Functional check | | | | | | |
| B-1 | Lateral cyclic control system | NA01-H1AAC-2-5 | | | / / | * | / / |
| B-2 | FORE/AFT cyclic control system | NA01-H1AAC-2-5 | | | / / | * | / / |
| C | Fault isolation | | | | | | |
| C-1 | Lateral cyclic control system | NA01-H1AAC-2-5 | 14330 | | / / | * | / / |
| C-2 | FORE/AFT cyclic control system | NA01-H1AAC-2-5 | 14330 | | / / | * | / / |
| D | Organizational maintenance | | | | | | |
| D-1 | R&R pilot's cyclic stick | NA01-H1AAC-2-5 | 1438100 | | / / | * | / / |
| D-2 | R&R gunner's cyclic stick | NA01-H1AAC-2-5 | 1438M00 | | / / | * | / / |
| D-3 | R&R cyclic control tubes | NA01-H1AAC-2-5 | 14335 | | / / | / | / |
| D-4 | R&R force gradient | NA01-H1AAC-2-5 | 14337 | | / / | * | / / |
| D-5 | R&R mag brake | NA01-H1AAC-2-5 | 14330 | | / / | * | / / |
| D-6 | Rigs lateral cyclic controls | NA01-H1AAC-2-5 | 14330 | | / / | * | / / |
| D-7 | Rigs FORE/AFT cyclic controls | NA01-H1AAC-2-5 | 14380 | | / / | * | / / |
| D-8 | Adjusts cyclic friction | NA01-H1AAC-2-5 | 14339 | | / / | * | / / |

B.19 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the collective control system of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.

| | | | | | | | |
|-----|-----------------------------------|----------------|---------|---|-----|---|-----|
| A | Theory of operation | | | | | | |
| A-1 | Collective control system | NA01-H1AAC-2-5 | | * | / / | * | / / |
| B | Functional check | | | | | | |
| B-1 | Collective control system | NA01-H1AAC-2-5 | | | / / | * | / / |
| C | Fault isolation | | | | | | |
| C-1 | Collective control system | NA01-H1AAC-2-5 | 14310 | | / / | * | / / |
| D | Organizational maintenance | | | | | | |
| D-1 | R&R pilot's collective stick | NA01-H1AAC-2-5 | 1438100 | | / / | * | / / |
| D-2 | R&R gunner's collective stick | NA01-H1AAC-2-5 | 14311 | | / / | / | / |
| D-3 | R&R control tubes | NA01-H1AAC-2-5 | 1431C | | / / | / | / |
| D-4 | Rigs collective control system | NA01-H1AAC-2-5 | 14310 | | / / | * | / / |
| D-5 | Adjusts collective stick friction | NA01-H1AAC-2-5 | 14319 | | / / | * | / / |

B.20 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the anti-torque control 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 | Anti-torque control system | NA01-H1AAC-2-5 | | * | / / | * | / / |
| B | Functional check | | | | | | |
| B-1 | Anti-torque control system | NA01-H1AAC-2-5 | | | / / | * | / / |
| C | Fault isolation | | | | | | |
| C-1 | Anti-torque control system | NA01-H1AAC-2-5 | 14340 | | / / | * | / / |
| D | Organizational maintenance | | | | | | |
| D-1 | R&R control tubes/bellcranks | NA01-H1AAC-2-5 | 14348/4B | | / / | / / | / / |
| D-2 | Rigs anti-torque control system | NA01-H1AAC-2-5 | 14340 | | / / | * | / / |
| D-3 | R&R mag brake | NA01-H1AAC-2-5 | 14341 | | / / | / / | / / |
| D-4 | R&R force gradient | NA01-H1AAC-2-5 | 1434700 | | / / | * | / / |

B.21 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the main rotor system of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.

| | | | | | | | |
|------|----------------------------------|----------------|---------|---|-----|---|-----|
| A | Theory of operation | | | | | | |
| A-1 | Main rotor system | NA01-H1AAC-2-6 | | * | / / | * | / / |
| B | Functional check | | | | | | |
| B-1 | Main rotor hub/blade assembly | NA01-H1AAC-2-6 | | | / / | * | / / |
| B-2 | Swashplate and support assembly | NA01-H1AAC-2-6 | | | / / | * | / / |
| B-3 | Scissors and sleeve assembly | NA01-H1AAC-2-6 | | | / / | * | / / |
| C | Fault isolation | | | | | | |
| C-1 | Main rotor hub/blade assembly | NA01-H1AAC-2-6 | 15320 | | / / | * | / / |
| C-2 | Swashplate and support assembly | NA01-H1AAC-2-6 | 1531300 | | / / | * | / / |
| C-3 | Scissors and sleeve assembly | NA01-H1AAC-2-6 | 1531100 | | / / | * | / / |
| D | Organizational maintenance | | | | | | |
| D-1 | R&R main rotor hub | NA01-H1AAC-2-6 | 1531130 | | / / | * | / / |
| D-2 | R&R main rotor blades | NA01-H1AAC-2-6 | 1532100 | | / / | * | / / |
| D-3 | Scopes main rotor blades | NA01-H1AAC-2-6 | 15320 | | / / | * | / / |
| D-4 | Sets minimum blade angle | NA01-H1AAC-2-6 | 15000 | | / / | * | / / |
| D-5 | R&R pitch change tube | NA01-H1AAC-2-6 | 1531410 | | / / | * | / / |
| D-6 | R&R scissors assembly | NA01-H1AAC-2-6 | 1531120 | | / / | * | / / |
| D-7 | R&R scissors and sleeve assembly | NA01-H1AAC-2-6 | 1531100 | | / / | * | / / |
| D-8 | R&R drive link assembly | NA01-H1AAC-2-6 | 1531110 | | / / | * | / / |
| D-9 | R&R spline plate assembly | NA01-H1AAC-2-6 | 15319 | | / / | * | / / |
| D-10 | R&R collective friction assembly | NA01-H1AAC-2-6 | 15319 | | / / | * | / / |
| D-11 | R&R collective lever bearing | NA01-H1AAC-2-6 | 15315 | | / / | * | / / |

DA B.21 (Continued)

| TASK # | TASK DESCRIPTION | REFERENCE | WUC | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|--------|---|----------------|---------|---------|----------|-----------|----------|
| D-12 | R&R collective lever | NA01-H1AAC-2-6 | 15317 | | / / | * / / | |
| D-13 | R&R swashplate & support assembly | NA01-H1AAC-2-6 | 1531300 | | / / | * / / | |
| D-14 | R&R anti-drive link/bellcrank assembly | NA01-H1AAC-2-6 | 1531320 | | / / | * / / | |
| D-15 | Adjusts swashplate friction | NA01-H1AAC-2-6 | 1531300 | | / / | * / / | |
| D-16 | Adjusts collective friction | NA01-H1AAC-2-6 | 15319 | | / / | * / / | |
| D-17 | Track/balance main rotor assembly (Strobex) | NA01-H1AAC-2-6 | 1532140 | | / / | / / | |
| D-18 | Track/balance main rotor assembly (8500C) | NA01-H1AAC-2-6 | 1562140 | | / / | / / | |
| D-19 | Performs Vibration Analysis (8500C) | NA01-1A-24 | 1532140 | | / / | / / | |

B.22 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the tail rotor system of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.

| | | | | | | | |
|-----|---|----------------|---------|--|-----|-------|-------|
| A | Theory of operation | | | | | | |
| A-1 | Tail rotor system | NA01-H1AAC-2-7 | | | * | / / | * / / |
| B | Functional check | | | | | | |
| B-1 | Tail rotor system | NA01-H1AAC-2-7 | | | / / | * / / | |
| C | Fault isolation | | | | | | |
| C-1 | Tail rotor system | NA01-H1AAC-2-7 | 153300 | | / / | * / / | |
| D | Organizational maintenance | | | | | | |
| D-1 | R&R tail rotor hub and blade assembly | NA01-H1AAC-2-7 | 15330 | | * | / / | * / / |
| D-2 | R&R crosshead assembly | NA01-H1AAC-2-7 | 15339 | | * | / / | * / / |
| D-3 | R&R pitch change link assembly | NA01-H1AAC-2-7 | 15339 | | * | / / | * / / |
| D-4 | R&R thrust bearing | NA01-H1AAC-2-7 | 1533120 | | * | / / | * / / |
| D-5 | Track/balance tail rotor assembly (Strobex) | NA01-H1AAC-2-7 | 15330 | | / / | * / / | |
| D-6 | Track/balance tail rotor assembly (8500C) | NA01-H1AAC-2-7 | 1533210 | | / / | * / / | |
| D-7 | Performs Vibration Analysis (8500C) | NA01-1A-24 | 1533210 | | / / | * / / | |

B.23 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the power plant and related systems of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.

| | | | | | | | |
|-----|---------------------|------------------|-------|--|-----|-------|-------|
| A | Theory of operation | | | | | | |
| A-1 | Power section | NA01-H1AAC-2-3.1 | | | * | / / | * / / |
| B | Functional check | | | | | | |
| B-1 | Power section | NA01-H1AAC-2-3.3 | | | / / | * / / | |
| C | Fault isolation | | | | | | |
| C-1 | Power section | NA01-H1AAC-2-3.2 | 22100 | | / / | * / / | |

DA B.23 (Continued)

| TASK # | TASK DESCRIPTION | REFERENCE | WUC | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|--------|------------------------------------|------------------|---------|---------|----------|-----------|----------|
| D | Organizational maintenance | | | | | | |
| D-1 | Power section | NA01-H1AAC-2-3.3 | 22100 | * | / / | * | / / |
| D-2 | R&R single engine | NA01-H1AAC-2-3.3 | 22CB0 | * | / / | / | / |
| D-3 | R&R engine pack | NA01-H1AAC-2-3.3 | 29H1E00 | | / / | / | / |
| D-4 | R&R isolator assembly | NA01-H1AAC-2-3.3 | 29H1E10 | | / / | / | / |
| D-5 | R&R fuel line | NA01-H1AAC-2-3.3 | 4641J10 | | / / | / | / |
| D-6 | R&R engine fuel pump | NA01-H1AAC-2-3.3 | 22161 | | / / | / | / |
| D-7 | R&R engine fuel filter | NA01-H1AAC-2-3.3 | 2216200 | | / / | / | / |
| D-8 | R&R main fuel manifold | NA01-H1AAC-2-3.3 | 22166 | | / / | / | / |
| D-9 | R&R fuel nozzles | NA01-H1AAC-2-3.3 | 22167 | | / / | / | / |
| D-10 | R&R overspeed and drain valve | NA01-H1AAC-2-3.3 | 22164 | | / / | / | / |
| D-11 | R&R oil to fuel heat exchanger | NA01-H1AAC-2-3.3 | 22184 | | / / | / | / |
| D-12 | R&R engine external oil filter | NA01-H1AAC-2-3.3 | 2218100 | | / / | / | / |
| D-13 | R&R oil scavenge/return lines | NA01-H1AAC-2-3.3 | 2218C | | / / | / | / |
| D-14 | R&R engine oil sight gauge | NA01-H1AAC-2-3.3 | 22188 | | / / | / | / |
| D-15 | R&R power available spindle | NA01-H1AAC-2-3.3 | 29H1600 | * | / / | / | / |
| D-16 | Rigs power available spindle | NA01-H1AAC-2-3.3 | 29H1600 | * | / / | * | / |
| D-17 | R&R load demand spindle | NA01-H1AAC-2-3.3 | 29H1F00 | * | / / | / | / |
| D-18 | Rigs load demand spindle | NA01-H1AAC-2-3.3 | 29H1F00 | * | / / | * | / |
| D-19 | R&R flight idle solenoid | NA01-H1AAC-2-3.3 | 46415 | | / / | * | / |
| D-20 | R&R hydro-mechanical unit | NA01-H1AAC-2-3.3 | 22163 | | / / | * | / |
| D-21 | R&R anti-ice start bleed air valve | NA01-H1AAC-2-3.3 | 221A1 | | / / | * | / |
| D-22 | R&R particle separator blower | NA01-H1AAC-2-3.3 | 22144 | | / / | * | / |

B.24 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the power train system of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.

| | | | | | | | |
|-----|----------------------------------|----------------|--|---|-----|---|-----|
| A | Theory of operation | | | | | | |
| A-1 | Main transmission assembly | NA01-H1AAC-2-4 | | * | / / | * | / / |
| A-2 | Intermediate (42-degree) gearbox | NA01-H1AAC-2-4 | | * | / / | * | / / |
| A-3 | Tail rotor (90-degree) gearbox | NA01-H1AAC-2-4 | | * | / / | * | / / |
| A-4 | Main drive shaft | NA01-H1AAC-2-4 | | * | / / | * | / / |
| A-5 | Tail rotor drive system | NA01-H1AAC-2-4 | | * | / / | * | / / |
| A-6 | Mast assembly | NA01-H1AAC-2-4 | | * | / / | * | / / |
| B | Functional check | | | | | | |
| B-1 | Main transmission assembly | NA01-H1AAC-2-4 | | | / / | / | / |
| B-2 | Intermediate (42-degree) gearbox | NA01-H1AAC-2-4 | | | / / | / | / |
| B-3 | Tail rotor (90-degree) gearbox | NA01-H1AAC-2-4 | | | / / | / | / |
| B-4 | Main drive shaft | NA01-H1AAC-2-4 | | | / / | / | / |
| B-5 | Tail rotor drive system | NA01-H1AAC-2-4 | | | / / | / | / |

IQR, MOS 6114/6174 NAME: _____

DATE: May 2002

DA B.24 (Continued)

| TASK # | TASK DESCRIPTION | REFERENCE | WUC | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|--------|--------------------------------------|----------------|---------|---------|----------|-----------|----------|
| B-6 | Mast assembly | NA01-H1AAC-2-4 | | | / / | / / | |
| C | Fault isolation | | | | | | |
| C-1 | Main transmission assembly | NA01-H1AAC-2-4 | 26570 | | / / | / / | |
| C-2 | Intermediate (42-degree) gearbox | NA01-H1AAC-2-4 | 26540 | | / / | / / | |
| C-3 | Tail rotor (90-degree) gearbox | NA01-H1AAC-2-4 | 26550 | | / / | / / | |
| C-4 | Main drive shaft | NA01-H1AAC-2-4 | 26510 | | / / | / / | |
| C-5 | Tail rotor drive system | NA01-H1AAC-2-4 | 15330 | | / / | / / | |
| C-6 | Mast assembly | NA01-H1AAC-2-4 | 26560 | | / / | / / | |
| D | Organizational maintenance | | | | | | |
| D-1 | Main transmission | | | | | | |
| D-1.1 | R&R main transmission | NA01-H1AAC-2-4 | 26580 | * | / / | * | / / |
| D-1.2 | R&R pylon mounts | NA01-H1AAC-2-4 | 26589 | | / / | * | / / |
| D-1.3 | R&R friction dampeners (viscous) | NA01-H1AAC-2-4 | 265A0 | | / / | * | / / |
| D-1.4 | R&R lift link | NA01-H1AAC-2-4 | 26589 | | / / | * | / / |
| D-1.5 | R&R transmission sump filter | NA01-H1AAC-2-4 | 2658400 | | / / | * | / / |
| D-1.6 | R&R transmission external oil filter | NA01-H1AAC-2-4 | 265B300 | | / / | * | / / |
| D-1.7 | R&R transmission sight gauges | NA01-H1AAC-2-4 | 26589 | | / / | / | / |
| D-1.8 | R&R main input quill | NA01-H1AAC-2-4 | 2658BC0 | | / / | * | / / |
| D-1.9 | R&R tail rotor output quill | NA01-H1AAC-2-4 | 2658C60 | | / / | * | / / |
| D-1.10 | R&R rotor brake quills | NA01-H1AAC-2-4 | 2658700 | | / / | * | / / |
| D-1.11 | R&R hydraulic pump quill | NA01-H1AAC-2-4 | 2657B | | / / | / | / |
| D-1.12 | Adjust transmission oil pressure | NA01-H1AAC-2-4 | | | / / | / | / |
| D-2 | Intermediate gearbox | | | | | | |
| D-2.1 | R&R intermediate gearbox | NA01-H1AAC-2-4 | 26540 | * | / / | * | / / |
| D-3 | Tail rotor gearbox | | | | | | |
| D-3.1 | R&R tail rotor gearbox | NA01-H1AAC-2-4 | 26550 | * | / / | * | / / |
| D-3.2 | R&R jack shaft | NA01-H1AAC-2-4 | 26559 | | / / | * | / / |
| D-3.3 | R&R excluder housing | NA01-H1AAC-2-4 | 26559 | | / / | * | / / |
| D-4 | Main drive shaft | | | | | | |
| D-4.1 | R&R main drive shaft | NA01-H1AAC-2-4 | 26510 | * | / / | * | / / |
| D-5 | Tail rotor drive shaft | | | | | | |
| D-5.1 | R&R hanger assembly | NA01-H1AAC-2-4 | 26530 | * | / / | * | / / |
| D- | Mast assembly | | | | | | |
| D-6.1 | R&R mast assembly | NA01-H1AAC-2-4 | 26560 | * | / / | * | / / |

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B.25 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the oil cooler 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 | Oil cooler system | NA01-H1AAC-2-3.3 | | * | / / | * | / / |
| B | Functional check | | | | | | |
| B-1 | Oil cooler system | NA01-H1AAC-2-3.3 | | | / / | / / | |
| C | Fault isolation | | | | | | |
| C-1 | Oil cooler system | NA01-H1AAC-2-3.3 | 265B0 | | / / | / / | |
| D | Organizational maintenance | | | | | | |
| D-1 | R&R engine oil cooler assembly | NA01-H1AAC-2-3.3 | 265B4 | | / / | / / | |

B.26 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the fuel system of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.

| | | | | | | | |
|-----|----------------------------|------------------|----------|---|-----|---|-----|
| A | Theory of operation | | | | | | |
| A-1 | Fuel system | NA01-H1AAC-2-3.3 | | * | / / | * | / / |
| B | Functional check | | | | | | |
| B-1 | Fuel system | NA01-H1AAC-2-3.3 | | | / / | * | / / |
| C | Fault isolation | | | | | | |
| C-1 | Fuel system | NA01-H1AAC-2-3.3 | 46410 | | / / | * | / / |
| D | Organizational maintenance | | | | | | |
| D-1 | R&R fuel pumps | NA01-H1AAC-2-3.3 | 46413/1A | | / / | * | / / |
| D-2 | R&R boost pump cartridge | NA01-H1AAC-2-3.3 | 4641200 | | / / | * | / / |
| D-3 | R&R interconnect valve | NA01-H1AAC-2-3.3 | 4641D | | / / | / | / |
| D-4 | R&R interconnect hose | NA01-H1AAC-2-3.3 | 4641B | | / / | / | / |
| D-5 | R&R crossfeed valve | NA01-H1AAC-2-3.3 | 4641700 | | / / | / | / |
| D-6 | R&R fuel shutoff valve | NA01-H1AAC-2-3.3 | 46415 | | / / | / | / |

B.27 Demonstrates/applies knowledge of the theory of operation and performs applicable organizational level maintenance on the auxiliary fuel system of the AH-1W helicopter using appropriate maintenance procedures and support/test equipment.

| | | | | | | | |
|-----|-------------------------------|------------------|---------|---|-----|---|-----|
| A | Theory of operation | | | | | | |
| A-1 | Auxiliary fuel system | NA01-H1AAC-2-3.3 | | * | / / | * | / / |
| B | Functional check | | | | | | |
| B-1 | Auxiliary fuel system | NA01-H1AAC-2-3.3 | | | / / | * | / / |
| C | Fault isolation | | | | | | |
| C-1 | Auxiliary fuel system | NA01-H1AAC-2-3.3 | 4641400 | | / / | * | / / |
| D | Organizational maintenance | | | | | | |
| D-1 | R&R auxiliary fuel tank | NA01-H1AAC-2-3.3 | 46419 | * | / / | * | / / |
| D-2 | R&R auxiliary fuel tank pumps | NA01-H1AAC-2-3.3 | 46419 | * | / / | * | / / |

ITSS (MATMEP)

APPENDIX A

INDIVIDUAL EXPERIENCE DATA SHEET

INDIVIDUAL DATA

UNIT EXPERIENCE DATA

NAME: _____

UNIT

SHOP

BILLET

FROM/TO DATES

SSN: _____

COMMENTS:

APPENDIX C

WORK CENTER SUMMARY
HELICOPTER AIRCRAFT MECHANIC (MOS 6114/6174)

WORK CENTER NAME/NUMBER: _____

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

DATE: May 2002

APPENDIX C

WORK CENTER SUMMARY
HELICOPTER AIRCRAT MECHANIC (6114/6174)

WORK CENTER NAME/NUMBER: _____

| NAME/MOS | LEVEL | 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 | B.24 | B.25 | B.26 | B.26 |
|----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 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: May 2002

ITSS (MATMEP) UN-1N/AH-1W

APPENDIX D

SUPPRT EQUIPMENT LICENSING RECORD

NAME / SSN:

RANK:

MOS: _____

DATE: may 2002