

DUTY AREA
AIRCRAFT ORDNANCE TECHNICIAN (MOS 6531)

A. GENERAL, OPERATIONAL AND SAFETY DUTIES

1. Demonstrates/applies applicable Safety precautions and procedures around the aircraft and work center.
2. Demonstrates/applies knowledge of applicable Aircraft publications, diagrams, sketches and drawings.
3. Performs tasks on the helicopter using applicable Precision measuring equipment
4. Demonstrates/applies knowledge of applicable Work center related forms and reports.

B. SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES

1. Performs Scheduled and unscheduled inspections on applicable systems/components and locates incipient failures of the aircraft per Maintenance Requirement Cards.
2. Incorporates applicable Technical Directives changes/bulletins.
3. Detects corrosion and performs Corrosion control.
4. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the XM-218 Gun System using appropriate maintenance procedures and support/test equipment.
5. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Electronic Counter Measures (ECM) System using appropriate maintenance procedures and support/test equipment.
6. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Helicopter Emergency Floatation System (HEFS) using appropriate maintenance procedures and support/test equipment.

SKILL PROGRESSION LEVEL DEFINITIONS

- LEVEL I: An asterisk in Level I indicates the task is taught at the entry level "A" school.
- LEVEL II: An asterisk in Level II indicates the task is taught at a NAMTRA MARUNIT/ "C" school. Other task in Level II not indicated with an asterisk will be signed off when exposed to the individual for the first time. All subsequent training in which the Marine performs after initial exposure should be annotated on the OPNAV 4790/33 form until he\she is signed off in level III.
- LEVEL III: An asterisk in level III indicates the task is considered training essential. A sign-off in Level III indicates the Marine can perform that task w/o supervision. The unit is responsible for these sign-offs.
- LEVEL IV: Used by the unit to indicate an individual is advanced in technical and supervisory functions. Prior to sign-off, all training essential and training optional task in level III must be signed-off. Only one sign-off for the duty area is required.

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

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

INDIVIDUAL QUALIFICATION RECORD
AIRCRAFT ORDNANCE TECHNICIAN (MOS 6531)

A. GENERAL, OPERATING AND SAFETY DUTIESA.1 Demonstrates/applies applicable Safety precautions and procedures around the helicopter and work center.

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Ground occupational safety & health programs in specific areas.					
A-1	First aid/CPR procedures	Marine BST/Essential Subjects Book		/ /	/ /	
A-2	Hazardous material/waste	OPNAVINST 4790.2 OSHA 29 CFR 1910 NAVAIR A1-NAOSH- SAF-000/P5100-1 DOD 4140.27-M Local Instr		/ /	/ /	
A-3	Safety procedures near electricity	OSHA 29 CFR 1910 NAVAIR A1-NAOSH- SAF-000/P5100-1 Local Instr	*	/ /	/ /	
A-4	Personal protective equipment (safety/flight boots, clothing, hearing/eye protection, etc.)	OSHA 29 CFR 1910 NAVAIR A1-NAOSH- SAF-000/P5100-1 Local Instr	*	/ /	/ /	
A-5	Safety markings	OSHA 29 CFR 1910 NAVAIR A1-NAOSH- SAF-000/P5100-1 Local Instr		/ /	/ /	
A-6	Use of solvents/paints/stripers/sealants (shelf life)	NA 01-1A-509 Local Instr	*	/ /	/ /	
A-7	Ordnance safety	NAVORD OP3347 NAVSEAOP 1014	*	/ /	/ /	
B	Precautions & procedures on/around aircraft & support equipment					
B-1	Safety procedures on/around turning aircraft	OSHA 29 CFR 1910 NAVAIR A1-NAOSH- SAF-000/P5100-1 Local Instr		/ /	/ /	
B-2	Safety procedures on/near aircraft when applying or removing electrical power	A1-H46AE-GAI-000 Local Instr		/ /	/ /	
B-3	Safety procedures on/near aircraft with use of hydraulic power	A1-H46AE-GAI-000 Local Instr		/ /	/ /	
B-4	Safety procedures on/near aircraft with ordnance	A1-H46AE-GAI-000 Local Instr		/ /	/ /	
B-5	Safety procedures when jacking aircraft or while aircraft is on jacks	A1-H46AE-GAI-000 Local Instr		/ /	/ /	

DA A.1 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B-6	Safety procedures on/near aircraft maintenance platforms	A1-H46AE-GAI-000 Local Instr		/ /	/ /	
B-7	Safety procedures while brake riding	NA 01-OV10A/D-2-1		/ /	/ /	
B-8	Safety procedures when securing aircraft with protective covers/devices (red gear)	A1-H46AE-GAI-000 Local Instr		/ /	/ /	
B-9	Safety procedures installing or removing aircraft safety pins and locks	A1-H46AE-GAI-000 Local Instr		/ /	/ /	
B-10	Safety procedures when washing aircraft	A1-H46AE-GAI-000 NA 01-1A-509 Local Instr		/ /	/ /	
B-11	Safety procedures on/near support equipment operation	A1-H46AE-GAI-000 Local Instr		/ /	/ /	
C	Line emergency procedures					
C-1	Types of fire extinguishers	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 NA 00-8R-14		/ /	/ /	
C-2	Fire fighting			/ /	/ /	
C-2.1	Proper procedures for hot brakes	A1-H46AE-GAI-000		/ /	/ /	
C-2.2	Proper procedures for engine fire	A1-H46AE-GAI-000		/ /	/ /	
C-3	Emergency hand signals	NWP 52 NATOPS Manuals		/ /	/ /	
D	FOD prevention	OPNAVINST 4790.2 Local Instr		/ /	/ /	
E	Hydraulic contamination	OPNAVINST 4790.2 NA 01-1A-17 Local Instr		/ /	/ /	
F	Electro-Magnetic Interference (EMI), Electrical Static Discharge (ESD) & Electro-Magnetic Compatibility (EMC)	OPNAVINST 4790.2 Local Instr		/ /	/ /	
G	Emergency reclamation	OPNAVINST 4790.2 NA 01-1A-540 NA 01-1A-509 Local Instr		/ /	/ /	
H	Tire and wheel safety procedures	OPNAVINST 4790.2 Local Instr		/ /	/ /	
I	Hazards of Electromagnetic Radiation (HERO)	NA 16-1-529		/ /	/ /	

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

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Safety Publications			/ /	/ /	
B	System Maintenance/IPB Manuals			/ /	/ /	
C	Loading Manuals/Checklist	NA 01-250HD-75-22 NA 01-250HD-75-17		/ /	/ /	
D	Naval Ordnance Weapons Maintenance Program (NOWMP)	OPNAVINST 8000.16 series		/ /	/ /	
E	Naval Aviation Maintenance Program (NAMP)	OPNAVINST 4790.2 series		/ /	/ /	
F	Explosive System Manual	NAVAIR 1195-13 A1-H46AE-750-000 A1-H46AE-760-000		/ /	/ /	

A.3 Performs tasks on the helicopter using applicable Precision measuring equipment.

A	Operates multimeter	NA 01-1A-505		/ /	/ /	
B	Operates torque wrench	NAVWEPS 17-1-108		/ /	/ /	
C	Operates TS 2849/ALM 70A continuity tester	NA 16-30ALE-29-3		/ /	/ /	
D	Operates barrel erosion gauges	NA 11-95-13		/ /	/ /	
E	Operates firing pin gauges	NA 11-95-13		/ /	/ /	
F	Operates head space time gauges	NA 11-95-13		/ /	/ /	
G	Operates plan cylinder plug gauges	NA 11-95-13		/ /	/ /	
H	Operates TS AN/ALM-225 ALE-39 system	NA 16-30ALE-39-1		/ /	/ /	

A.4 Demonstrates/applies knowledge of applicable Work center related forms and reports.

A	Record keeping techniques for ordnance	OPNAVINST 4790.2 MCO/OPNAV 8023		/ /	/ /	
B	Daily ordnance load/expenditure form	Local Instr SPCCINST 8010.12D		/ /	/ /	
C	Ready service locker temp cards	Local Instr	*	/ /	/ /	
D	Ready service locker inventory cards	Local Instr	*	/ /	/ /	

INDIVIDUAL QUALIFICATION RECORD
AIRCRAFT ORDNANCE TECHNICIAN (MOS 6531)

B. SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES

B.1 Performs Scheduled/unscheduled inspections on applicable systems/components and locates incipient failures of the aircraft as per Maintenance Requirement Cards.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Perform Special Inspection	A1-H46AE-350-000 Local MRC	030000		/ /	/ /	
B	Performs Preservation/Depreservation Inspection	NA 11-95-13 Local MRC	049		/ /	/ /	
C	Performs Acceptance/Transfer Inspections	OPNAVINST 4790.2	030000		/ /	/ /	

B.2 Incorporates applicable Technical Directives changes/ bulletins.

A	Rapid Action Minor Engineering Change (RAMEC) Proposals	NAVAIRINST 5215.10			/ /	* / /	
B	Incorporates Technical Directives changes/bulletins	NA 00-25-100 OPNAVINST 4790.2			/ /	* / /	

B.3 Detects corrosion and performs Corrosion control.

A	Performs corrosion detection during all maintenance actions	NA 01-1A-509		*	/ /	* / /	
B	Performs corrective action on corrosion discrepancies	NA 01-1A-509		*	/ /	* / /	
C	Performs corrosion prevention using proper preventive materials & methods	NA 01-1A-509		*	/ /	* / /	
D	Performs corrosion detection/ prevention on support equipment	NA 17-1-125		*	/ /	* / /	

B.4 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the XM-218 Gun System using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	XM-218 Gun System	NA 11-95-13	75K1A00		/ /	* / /	
A-2	Safety precautions of the XM-218	NA 11-95-13			/ /	* / /	
B	Functional check						
B-1	XM-218 Gun System	NA 11-95-13	75K1A00		/ /	* / /	
C	Fault isolation						

DA B.4 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL 1	LEVEL II	LEVEL III	LEVEL IV
C-1	Barrel & barrel extension assembly	NA 11-95-13	75K1A10		/ /	* / /	
C-2	Spade grip backplate assembly	NA 11-95-13	75K1A20		/ /	* / /	
C-3	Rod assembly	NA 11-95-13	75K1A30		/ /	* / /	
C-4	Breech bolt assembly	NA 11-95-13	75K1A40		/ /	* / /	
C-5	Recoil buffer assembly	NA 11-95-13	75K1A50		/ /	* / /	
C-6	Cover assembly	NA 11-95-13	75K1A60		/ /	* / /	
C-7	Retracting slide assembly	NA 11-95-13	75K1A70		/ /	* / /	
C-8	Receiver assembly and barrel jacket assembly	NA 11-95-13	75K1A80		/ /	* / /	
D	Organizational maintenance						
D-1	R&R barrel & barrel extension assembly	NA 11-95-13	75K1A10		/ /	* / /	
D-2	R&R spade grip backplate assembly	NA 11-95-13	75K1A20		/ /	* / /	
D-3	R&R rod assembly	NA 11-95-13	75K1A30		/ /	* / /	
D-4	R&R breech bolt assembly	NA 11-95-13	75K1A40		/ /	* / /	
D-5	R&R cover assembly	NA 11-95-13	75K1A60		/ /	* / /	
D-6	R&R retracting slide assembly	NA 11-95-13	75K1A70		/ /	* / /	
D-7	R&R receiver assembly and barrel jacket assembly	NA 11-95-13	75K1A80		/ /	* / /	
D-8	Installation of laser sight	Operators Manual			/ /	* / /	
D-9	Laser bore sight procedures	Operators Manual			/ /	* / /	

B.5 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Electronic Counter Measures (ECM) System using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	ECM System	NA 16-30ALE39-1	766M0		/ /	* / /	
B	Functional check						
B-1	ECM System	NA 16-30ALE39-1	766M0		/ /	* / /	
C	Organizational maintenance						
C-1	R&R ALE-39 dispensers	NA 16-30ALE39-1	766M0		/ /	* / /	

B.6 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the Helicopter Emergency Floatation System (HEFS) using appropriate maintenance procedures and support/ test equipment.

A	Theory of operation						
A-1	HEF System	A1-H46AE-400-000			/ /	* / /	
B	Organizational maintenance						
B-1	R&R HEF system cad	A1-H46AE-400-000			/ /	* / /	

ITSS (MATMEP)

APPENDIX A

INDIVIDUAL EXPERIENCE DATA SHEET

INDIVIDUAL DATA

UNIT EXPERIENCE DATA

NAME: _____

UNIT

SHOP

BILLET

FROM/TO DATES

SSN: _____

FORMAL SCHOOLS

SCHOOL NAME

DATE COMPLETED

SCHOOL NAME	DATE COMPLETED	UNIT	SHOP	BILLET	FROM/TO DATES

COMMENTS:

APPENDIX C

WORK CENTER SUMMARY
AIRCRAFT ORDNANCE TECHNICIAN (MOS 6531)

WORK CENTER NAME/NUMBER _____

NAME/MOS	LEVEL	A.1	A.2	A.3	A.4	B.1	B.2	B.3	B.4	B.5	B.6
	II						XXXXXX				
	III										
	IV										
	II						XXXXXX				
	III										
	IV										
	II						XXXXXX				
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	II						XXXXXX				
	III										
	IV										

DATE: JUNE 2002

