DUTY AREA
AIRCRAFT STRUCTURES MODULE/SUPPLEMENTAL (MOS 6092)
AIRCRAFT WELDER (MOS 6043)

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 work center**.
3. Demonstrates/applies knowledge of applicable **publications, diagrams, sketches and drawings**.

B. SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES

1. Incorporates applicable **technical directives changes/bulletins**.
2. Detects corrosion and performs **corrosion control**.
3. Demonstrates/applies knowledge of theory of operation and applies **welding techniques** using appropriate maintenance procedures and support/test equipment.

INDIVIDUAL DUTY AREA QUALIFICATION SUMMARY
AIRCRAFT STRUCTURES MODULE/SUPPLEMENTAL (MOS 6092)
AIRCRAFT WELDER (MOS 6043)

NAME/SSN_____ Granted MOS 6043_____/_____ 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	XXXX

INDIVIDUAL QUALIFICATION RECORD
AIRCRAFT STRUCTURES MODULE/SUPPLEMENTAL (MOS 6092)
AIRCRAFT WELDER (MOS 6043)

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	Grinder bench	Manufacture's Pub		/ /	* / /	
B	Foil welding machine	Manufacture's Pub		/ /	* / /	
C	Power hacksaw	Manufacture's Pub		/ /	* / /	
D	Oxygen/acetylene welder	Manufacture's Pub		/ /	* / /	
E	TIG 300 welder	Manufacture's Pub		/ /	* / /	
F	Metal cutoff machine	Manufacture's Pub		/ /	* / /	
G	M/G welder	Manufacture's Pub		/ /	* / /	
H	Plasma cutter	Manufacture's Pub		/ /	* / /	
I	ARC welder	Manufacture's Pub		/ /	* / /	

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

A	Ground occupational safety and health programs in specific areas					
A-1	First aid procedures	Marine BST/Essential Subjects Book		/ /	* / /	
A-2	Hazardous material/waste	OPNAVINST 4790.2 OSHA 29 CFR 1910 Local Main Instr		* / /	* / /	
A-3	Safety procedures near electricity	NAVAIR A1-NAOSH SAF-000/P5100-1 Local Maint 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		* / /	* / /	
A-5	Safety markings	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 Local Maint Instr		/ /	* / /	
B	Ground occupational safety and health programs in specific areas					
B-1	Shop and safety equipment			/ /	/ /	
B-1.1	Protective clothing	NA-01-1A-509		* / /	* / /	
B-1.2	Goggles	NA-01-1A-509		* / /	* / /	
B-1.3	Safety boots	NA-01-1A-509		* / /	* / /	

DA A.2 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C	Respirator					
C-1	Cleans respirator	NA-01-1A-509		* / /	* / /	
C-2	Changes filter	NA-01-1A-509		* / /	* / /	
C-3	Changes lens	NA-01-1A-509		* / /	* / /	

A.3 Demonstrate/applies knowledge of applicable **Publications, diagrams, sketches and drawings**.

A	Naval Aviation Maintenance Program	OPNAVINST 4790.2		/ /	* / /	
B	Naval Air System Command Technical Manual Program	NA-00-25-100		/ /	* / /	
C	Support Equipment Corrosion Control Manual	NA-17-1-25		/ /	* / /	
D	Occupational Safety & Health Administration Manual	OSHA 29 CFR 1910		/ /	* / /	
E	Safety Requirements for Naval Aviation Shore Activities	NAVAIR A1-NAOSH-SAF-000/P5100-1		/ /	* / /	
F	Aeronautical and Support Equipment O & I level Welding Manual	NA-01-1A-34		/ /	/ /	
G	General Structure Repair Manual	NA-01-1A-1		* / /	* / /	
H	Aerospace Metals General Data Usage Factors Engineering Series for Aircraft Repair	NA-01-1A-9		/ /	* / /	
I	Welding and Brazing Procedure	MIL-STD248C		/ /	* / /	
J	Qualification of Aircraft Missile and Aerospace Fusion Welding	MIL-STD1595C		/ /	* / /	

INDIVIDUAL QUALIFICATION RECORD
AIRCRAFT STRUCTURES MODULE/SUPPLEMENTAL (MOS 6092)
AIRCRAFT WELDER (MOS 6043)

B. SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES

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

TASK #	TASK DESCRIPTION	REFERENCES	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Technical Directive System	NA-00-25-300			/ /	* / /	
B	Rapid Action Minor Engineering Change (RAMEC) Proposals	NAVAIRINST 5215.10			/ /	* / /	
C	Incorporates Technical Directives changes/bulletins	OPNAVINST 4790.2			/ /	* / /	

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

A	Identifies corrosion during all maintenance actions performed on the aircraft components	NA-15-01-500 NA-01-1A-509			* / /	* / /	
B	Performs corrective action on corrosion discrepancies found on the aircraft components	NA-15-01-500 NA-01-1A-509			* / /	* / /	
C	Performs corrosion prevention using proper preventive materials & method	NA-15-01-500 NA-01-1A-509			* / /	* / /	
D	Performs corrosion detection/prevention on support equipment	NA-17-1-125			/ /	* / /	

B.3 Demonstrates/applies knowledge of theory of operation and applies **Welding technician** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Welding				/ /	* / /	
B	Intermediate maintenance				/ /		
B-1	Operates shielded metal arc (ARC welding)				/ /	/ /	
B-1.1	Using stainless steel 300 series	MIL-STD-1595A			/ /	* / /	
B-1.2	Using steel	MIL-STD-1595A			/ /	* / /	
B-1.3	Using steel 4130 (maint)	MIL-STD-1595A			/ /	* / /	
B-1.4	Using aluminum 6061 (maint)	MIL-STD-1595A			/ /	* / /	
B-2	Operates gas shielded metal arc (TIG welding)				/ /	/ /	
B-2.1	Using stainless steel 321	MIL-STD-1595A			/ /	* / /	
B-2.2	Using steel 4130	MIL-STD-1595A			/ /	* / /	
B-2.3	Using nickel A286	MIL-STD-1595A			/ /	* / /	
B-2.4	Using hasteloy X	MIL-STD-1595A			/ /	* / /	
B-2.5	Using incone 600	MIL-STD-1595A			/ /	* / /	
B-2.6	Using rene 41	MIL-STD-1595A			/ /	* / /	
B-2.7	Using iron 41	MIL-STD-1595A			/ /	* / /	

DA B.3 (Continued)

TASK #	TASK DESCRIPTION	REFERENCES	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B-2.8	Using aluminum 6061	MIL-STD-1595A			/ /	* / /	
B-2.9	Using cobalt L605	MIL-STD-1595A			/ /	* / /	
B-2.10	Using titanium 9500	MIL-STD-1595A			/ /	* / /	
B-2.11	Using magnesium AZ92A	MIL-STD-1595A			/ /	* / /	
B-3	Operates silver braze (oxygen/acetylene welding)				/ /	/ /	
B-3.1	Using stainless steel 300 series	MIL-STD-1595A			/ /	* / /	
B-4	Operates oxyfuel (oxygen/acetylene welding)	MIL-STD-1595A			/ /	/ /	
B-4.1	Using stainless steel 300 series	MIL-STD-1595A			/ /	* / /	
B-4.2	Using steel 4130	MIL-STD-1595A			/ /	* / /	
B-5	Operates electron beam welding (MIG welding)				/ /	/ /	
B-5.1	Using stainless steel 300 series	MIL-STD-1595A			/ /	* / /	
B-5.2	Using aluminum 6062	MIL-STD-1595A			/ /	* / /	
B-5.3	Using titanium	MIL-STD-1595A			/ /	* / /	

APPENDIX C

WORK CENTER SUMMARY
AIRCRAFT STRUCTURES MODULE/SUPPLEMENTAL (MOS 6092)
AIRCRAFT WELDER (MOS 6043)

WORK CENTER NAME/NUMBER: _____

NAME/MOS	LEVEL	A.1	A.2	A.3	B.1	B.2	B.3
	II	XXXXX			XXXXX		XXXXX
	III						
	IV						
	II	XXXXX			XXXXX		XXXXX
	III						
	IV						
	II	XXXXX			XXXXX		XXXXX
	III						
	IV						
	II	XXXXX			XXXXX		XXXXX
	III						
	IV						
	II	XXXXX			XXXXX		XXXXX
	III						
	IV						
	II	XXXXX			XXXXX		XXXXX
	III						
	IV						
	II	XXXXX			XXXXX		XXXXX
	III						
	IV						
	II	XXXXX			XXXXX		XXXXX
	III						
	IV						
	II	XXXXX			XXXXX		XXXXX
	III						
	IV						
	II	XXXXX			XXXXX		XXXXX
	III						
	IV						
	II	XXXXX			XXXXX		XXXXX
	III						
	IV						

DATE: December 1994