DUTY AREA
AIRCRAFT SAFETY EQUIPMMENT MECHANIC (MOS 6286)

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 aircraft and work center.
3. Demonstrates/applies knowledge of applicable **aircraft publications, diagrams, sketches and drawings**.
4. Performs tasks on the aircraft using applicable **precision measuring equipment**.

B. SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES

1. Performs required **scheduled/unscheduled inspections** on applicable systems/components as per Maintenance Requirement Cards.
2. Demonstrates/applies knowledge of theory of operation and performs applicable organizational maintenance on the **bleed air system** using appropriate maintenance procedures and support/test equipment.
3. Demonstrates/applies knowledge of theory of operation and performs applicable organizational maintenance on the **flight station air conditioning system (FSACS)** using appropriate maintenance procedures and support/test equipment.
4. Demonstrates/applies knowledge of theory of operation and performs applicable organizational maintenance on the **cargo compartment air conditioning system (C/CACS)** using appropriate maintenance procedures and support/test equipment.
5. Demonstrates/applies knowledge of theory of operation and performs applicable organizational maintenance on the **under floor heat system** using appropriate maintenance procedures and support/test equipment.
6. Demonstrates/applies knowledge of theory of operation and performs applicable organizational maintenance on the **pressurization system** using appropriate maintenance procedures and support/test equipment.
7. Demonstrates/applies knowledge of theory of operation and performs applicable organizational maintenance on the **anti-icing/de-icing system** using appropriate maintenance procedures and support/test equipment.
8. Demonstrates/applies knowledge of theory of operation and performs applicable organizational maintenance on the **oxygen system** using appropriate maintenance procedures and support/test equipment.
9. Demonstrates/applies knowledge of theory of operation and performs applicable organizational maintenance on the **guillotine system** using appropriate maintenance procedures and support/test equipment.
10. Demonstrates/applies knowledge of theory of operation and performs applicable organizational maintenance on the **fire extinguishing system** using appropriate maintenance procedures and support/test equipment.
11. Demonstrates/applies knowledge of theory of operation and performs applicable organizational maintenance on the **emergency equipment** using appropriate maintenance procedures and support/test equipment.
12. Demonstrates/applies knowledge of theory of operation and performs applicable organizational maintenance on the **air turbine motor (ATM)** using appropriate maintenance procedures and support/test equipment.

DATE: April 2002

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 the NAMTRA MARUNIT. 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, 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 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 signed-off. Only one sign-off for the Duty Area is required.

Sign–off blanks: **(MO/YR)/(INDIDVIDUAL’S INITIALS)/(SUPERVISOR’S INTIALS)**

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

INDIVIDUAL DUTY AREA QUALIFICATION SUMMARY
AIRCRAFT SAFETY EQUIPMENT MECHANIC (MOS 6286)

NAME/SSN ____

Granted MOS 6281 _________/_________
Granted MOS 6286 _________/_________

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	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
A.1	SUPPORT/SPECIAL EQUIPMENT	XXXXXXXXXXXXXXXXX	/	/	/
A.2	SAFETY PRECAUTIONS AND PROCEDURES	/	/	/	/
A.3	AIRCRAFT PUBLICATIONS, DIAGRAMS, SKETCHES AND DRAWINGS	/	/	/	/
A.4	PRECISION MEASURING EQUIPMENT	/	/	/	/
B.	SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
B.1	REQUIRED SCHEDULED/UNSCHEDULED INSPECTIONS	/	/	/	/
B.2	BLEED AIR SYSTEM	XXXXXXXXXXXXXXXXX	/	/	/
B.3	FLIGHT STATION AIR CONDITIONING SYSTEM (FSACS)	XXXXXXXXXXXXXXXXX	/	/	/
B.4	CARGO COMPARTMENT AIR CONDITIONING SYSTEM (C/CACS)	/	/	/	/
B.5	UNDER FLOOR HEAT SYSTEM	XXXXXXXXXXXXXXXXX	/	/	/
B.6	PRESSURIZATION SYSTEM	XXXXXXXXXXXXXXXXX	/	/	/
B.7	ANTI-ICING/DE-ICING SYSTEM	XXXXXXXXXXXXXXXXX	/	/	/
B.8	OXYGEN SYSTEM	/	/	/	/
B.9	GUILLOTINE SYSTEM	/	/	/	/
B.10	FIRE EXTINGUISHING SYSTEM	/	/	/	/
B.11	EMERGENCY EQUIPMENT	XXXXXXXXXXXXXXXXX	/	/	/
B.12	AIR TURBINE MOTOR (ATM)	XXXXXXXXXXXXXXXXX	/	/	/

INDIVIDUAL QUALIFICATION RECORD
AIRCRAFT SAFETY EQUIPMENT MECHANIC (MOS 6286)

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	Temperature control system analyzer, #3401217-1	NA01-75GAA-2-10		/ /	/ /	
B	Temperature control system analyzer, #3402247-1	NA01-75GAA-2-10		/ /	/ /	
C	O&M aircraft maintenance platforms, B-1, B-4 & B-5	NA19-600-175-6-1		* / /	* / /	

A.2 Demonstrates/applies applicable **safety precautions and procedures** around the aircraft 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)	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 Local Inst	*	/ /	* / /	
A-3	Hazardous material	OPNAVINST 4790.2 OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 Local Inst	*	* / /	* / /	
A-4	Safety procedures near electricity	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 Local Inst	*	/ /	* / /	
A-5	Entry into confined spaces	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 Local Inst		/ /	/ /	
A-6	Gas free engineering	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 Local Inst		/ /	/ /	
A-7	Personal protective clothing (Safety/flight boots, clothing, hearing/eye protection, etc)	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 Local Inst	*	* / /	* / /	

DA A.2 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A-8	Safety markings	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1 Local Inst		* / /	* / /	
B	Precautions & procedures on/around aircraft & support equipment					
B-1	Safety procedures on/around turning aircraft	NA01-75GAA-2-1 Local Inst		* / /	* / /	
B-2	Safety procedures on/near aircraft with pneumatic power	NA01-75GAA-2-1 Local Inst		* / /	* / /	
B-3	Safety procedures on/near aircraft when applying or removing external electrical power	NA01-75GAA-2-1 NA01-75GA(X)-2-4	*	* / /	* / /	
B-4	Safety procedures on/near aircraft with use of hydraulic power	NA01-75GAA-2-1 Local Inst		* / /	* / /	
B-5	Safety procedures on/near aircraft with ordnance	NA01-75GAA-2-1 Local Inst		* / /	* / /	
B-6	Safety procedures when jacking aircraft or while aircraft is on jacks	NA01-75GAA-2-1 Local Inst		* / /	* / /	
B-7	Safety procedures on/near aircraft maintenance platforms	NA01-75GAA-2-1 Local Inst	*	* / /	* / /	
B-8	Safety procedures when washing aircraft	NA01-75GAA-2-1 NA01-1A-509 Local Inst		/ /	/ /	
B-9	Safety procedures on/near support equipment operations	NA01-75GAA-2-1 Local Inst		* / /	* / /	
B-10	Safety procedures when securing aircraft with protective covers/devices (red gear)	NA01-75GAA-2-1 Local Inst		* / /	* / /	
B-11	Safety procedures when installing or removing aircraft safety pins and locks	NA01-75GAA-2-1 Local Inst		* / /	* / /	
C	Line emergency procedures					
C-1	Types of fire extinguishers	NA01-75GAA-2-1		* / /	* / /	
C-2	Emergency egress procedures	NA01-75GAA-2-1	*	* / /	* / /	
C-3	Fire fighting			/ /	/ /	
C-3.1	Proper extinguishing for hot brakes	NA01-75GAA-2-1		/ /	/ /	
C-3.2	Proper extinguishing for engine fire	NA01-75GAA-2-1		* / /	/ /	
C-3.3	Proper extinguishing for electrical fire	NA01-75GAA-2-1		* / /	* / /	
C-3.4	Proper extinguishing for GTC/APU fire	NA01-75GAA-2-1		* / /	* / /	
C-4	Emergency hand signals	NA01-75GAA-2-1		/ /	* / /	
D	Hydraulic contamination	OPNAVINST 4790.2 NA01-1A-17 Local Inst		/ /	/ /	
E	Electro-magnetic interference (EMI), electrical static discharge (ESD), & electro-magnetic compatibility (EMC)	OPNAVINST 4790.2 Local Inst	*	/ /	/ /	

DA A.2 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
F	Emergency reclamation	OPNAVINST 4790.2 NA01-1A-509 Local Inst		/ /	/ /	
G	Tire & wheel safety procedures	OPNAVINST 4790.2 Local Inst		/ /	/ /	

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

A	Naval Aviation Maintenance Program (NAMP)	OPNAVINST 4790.2	*	* / /	* / /	
B	Naval Air Systems Command Technical Manual Program	NA00-25-100		/ /	/ /	
C	Occupational Safety & Health Administration Manual	OSHA 29 CFR 1910		/ /	/ /	
D	Safety Requirements for Naval Aviation Shore Activities Manual	NAVAIR A1-NAOSH-SAF-000/P5100-1	*	* / /	* / /	
E	Basic Handling & Safety Manual	NA00-80T-96		/ /	* / /	
F	Aircraft Cleaning & Corrosion Control Manual	NA01-1A-509	*	* / /	* / /	
G	Preservation of Naval Aircraft Manual	NA15-01-500		/ /	/ /	
H	Support Equipment Corrosion Control Manual	NA17-1-125		/ /	/ /	
I	Work Unit Code Manual	NA01-75GA-8	*	* / /	* / /	
J	Maintenance Requirement Cards Decks	NA01-75GA(X)-6-X	*	* / /	* / /	
K	Aviation Hydraulics Manual	NA01-1A-17		/ /	/ /	
L	Aviation Hose & Tube Manual	NA01-1A-20		/ /	/ /	
M	Principles of Operation, System Schematics, Testing & Troubleshooting Manuals	NA01-75GAA-2-1 thru NA01-75GAA-2-13		* / /	* / /	
N	System Maintenance/IPB Manuals	NA01-75GA(X)-4-1 thru NA01-75GA(X)-4-10		* / /	* / /	
O	Conventional weapons check list	NA01-75GA(X)-75-8		/ /	* / /	
P	Fire extinguisher container assembly	NA03-45CS-2		/ /	/ /	
Q	Hose reel assembly	NA03-100C-8		/ /	/ /	
R	Oxygen and nitrogen manual	NA06-30-501		/ /	* / /	
S	Cartridge & CADS	NA11-100-1.1 NA11-100-1.2 NA11-100-1.3		* / /	* / /	

A.4 Performs tasks on the aircraft using applicable **precision measuring equipment**.

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Operates torque wrench	NA17-1-108	*	/ /	* / /	
B	Operates multimeter	Operational manual	*	* / /	* / /	

IQR, MOS 6286, NAME:_____ DATE: April 2002

INDIVIDUAL QUALIFICATION RECORD
AIRCRAFT AIRFRAME MECHANIC (MOS 6256)

B. **SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES**

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

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Periodic Maintenance Information Cards	NA01-75GA(X)-6-1		*	* / /	/ /	
B	Performs daily inspection	NA01-75GA(X)-6-2			* / /	* / /	
C	Performs preservation/depreservation inspections	NA01-75GA(X)-6-3			/ /	* / /	
D	Performs acceptance/transfer inspections	OPNAVINIST 4790.2			/ /	* / /	
E	Performs conditional inspection	NA01-75GA(X)-6-3			/ /	* / /	
F	Performs 35 day inspection	NA01-75GA(X)-6-3			/ /	/ /	
G	Performs 210 day inspection	NA01-75GA(X)-6-3			/ /	/ /	
H	Performs 420 day inspection	NA01-75GA(X)-6-3			/ /	/ /	

B.2 Demonstrates/applies knowledge of theory of operation and performs applicable organizational maintenance on the **bleed air system** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Bleed air system (F&R to 160240)	NA01-75GAA-2-10			* / /	* / /	
A-2	Bleed air system (R&T 160625+)	NA01-75GAA-2-10			* / /	* / /	
B	Functional check						
B-1	Bleed air system (F&R to 160240)	NA01-75GAA-2-10			* / /	* / /	
B-2	Bleed air system (R&T 160625+)	NA01-75GAA-2-10			/ /	* / /	
C	Fault isolation						
C-1	Bleed air systems (F&R to 160240)	NA01-75GAA-2-10			/ /	* / /	
C-2	Bleed air system (R&T 160625+)	NA01-75GAA-2-10			/ /	* / /	
D	Organizational maintenance						
D-1	Bleed air system (F&R to 160240)				/ /	/ /	
D-1.1	R&R isolation valve	NA01-75GAA-2-10	41A1Q40		/ /	* / /	
D-1.2	R&R pressure gauge	NA01-75GAA-2-10	41C1B		/ /	/ /	
D-1.3	R&R bleed air ducting	NA01-75GAA-2-10	41B50		/ /	* / /	
D-1.4	R&R bleed air check valve (GTC & EXT)	NA01-75GAA-2-10	41C10		/ /	* / /	
D-1.5	R&R duct compensator	NA01-75GAA-2-10	41A1160		/ /	/ /	
D-1.6	R&R engine bleed module valve	NA01-75GAA-2-10	41A1130		/ /	/ /	
D-2	Bleed air system (R&T to 160625+)				/ /	/ /	
D-2.1	R&R divider valve	NA01-75GAA-2-10	41B1230		/ /	* / /	
D-2.2	R&R pressure gauge	NA01-75GAA-2-10	41C1B		/ /	/ /	
D-2.3	R&R bleed air ducting	NA01-75GAA-2-10	41B50		/ /	* / /	
D-2.4	R&R bleed air check valve (APU & EXT)	NA01-75GAA-2-10	41C10		/ /	/ /	
D-2.5	R&R engine bleed air module valve	NA01-75GAA-2-10	41A1130		/ /	/ /	

B.3 Demonstrates/applies knowledge of theory of operation and performs applicable organizational maintenance on the **flight station air conditioning system (FSACS)** 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	Flight station air conditioning system (F&R to 160240)	NA01-75GAA-2-10			* / /	* / /	
A-2	Flight station air conditioning system (R&T to 160625)	NA01-75GAA-2-10			* / /	* / /	
B	Functional check						
B-1	FSACS (F&R to 160240)	NA01-75GAA-2-10			* / /	* / /	
B-2	FSACS (R&T to 160625)	NA01-75GAA-2-10			* / /	* / /	
C	Fault isolation						
C-1	FSACS (F&R to 160240)	NA01-75GAA-2-10			* / /	* / /	
C-2	FSACS (R&T to 160625)	NA01-75GAA-2-10			* / /	* / /	
D	Organizational maintenance						
D-1	FSACS (F&R to 160240)				/ /	/ /	
D-1.1	R&R flight station flow control & shut-off valve	NA01-75GAA-2-10	41B45		/ /	* / /	
D-1.1A	Rig and adjust flight station flow control & shut-off valve	NA01-75GAA-2-10	41B45		/ /	* / /	
D-1.2	R&R heat exchanger	NA01-75GAA-2-10	41B4814		/ /	* / /	
D-1.3	R&R turbine	NA01-75GAA-2-10	41B4813		* / /	* / /	
D-1.4	R&R temperature control valve	NA01-75GAA-2-10	41B4G		/ /	* / /	
D-1.5	R&R temperature control box	NA01-75GAA-2-10	41B1C10		* / /	* / /	
D-1.6	R&R cabin thermostat	NA01-75GAA-2-10	41A2A10		* / /	* / /	
D-1.7	R&R blower motor	NA01-75GAA-2-10	41A2A10		* / /	* / /	
D-1.8	R&R duct anticipator	NA01-75GAA-2-10	41A2A10		* / /	* / /	
D-1.9	R&R high limit thermostat	NA01-75GAA-2-10	41A2A10		* / /	* / /	
D-1.10	R&R auxiliary vent valve	NA01-75GAA-2-10	41B141		/ /	* / /	
D-1.11	R&R water separator	NA01-75GAA-2-10	41B4D10		/ /	* / /	
D-1.12	R&R manual override cable	NA01-75GAA-2-10	41B45		/ /	/ /	
D-1.13	R&R window defog selector (Y-duct)	NA01-75GAA-2-10	41A2B30		/ /	/ /	
D-1.14	R&R differential pressure switch	NA01-75GAA-2-10	41C1P		/ /	* / /	
D-1.15	R&R high pressure ducts	NA01-75GAA-2-10	41B4B		/ /	* / /	
D-1.16	R&R low pressure ducts	NA01-75GAA-2-10	41BA340		/ /	/ /	
D-2	FSACS (R&T to 160625+)				/ /	/ /	
D-2.1	R&R flight station flow control & shut-off valve	NA01-75GAA-2-10			/ /	* / /	
D-2.2	R&R heat exchanger	NA01-75GAA-2-10	41B4814		/ /	* / /	
D-2.3	R&R turbine	NA01-75GAA-2-10	41B4813		/ /	* / /	
D-2.4	R&R temperature control valve	NA01-75GAA-2-10	41B4811		/ /	* / /	
D-2.5	R&R temperature control box	NA01-75GAA-2-10	41B1C10		/ /	* / /	
D-2.6	R&R cabin thermostat	NA01-75GAA-2-10	41A2A10		/ /	* / /	
D-2.7	R&R blower motor	NA01-75GAA-2-10	41A2A10		/ /	* / /	
D-2.8	R&R duct anticipator	NA01-75GAA-2-10	41A2A10		/ /	* / /	

DA B.3 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-2.9	R&R high limit thermostat	NA01-75GAA-2-10	41A2A10		/ /	* / /	
D-2.10	R&R low limit thermostat	NA01-75GAA-2-10	41A2A10		/ /	* / /	
D-2.11	R&R low limit control valve	NA01-75GAA-2-10	41B4811		/ /	* / /	
D-2.12	R&R low limit control box	NA01-75GAA-2-10	41B1C10		/ /	* / /	
D-2.13	R&R water separator pressure switch	NA01-75GAA-2-10	41B47		/ /	* / /	
D-2.14	R&R water separator	NA01-75GAA-2-10	41B4D10		/ /	* / /	
D-2.15	R&R auxiliary vent valve	NA01-75GAA-2-10	41B41		/ /	* / /	
D-2.16	R&R AUX vent check valve	NA01-75GAA-2-10	41B41		/ /	* / /	
D-2.17	R&R alternate air valve	NA01-75GAA-2-10			/ /	* / /	
D-2.18	R&R high pressure ducting	NA01-75GAA-2-10	41B48		/ /	* / /	
D-2.19	R&R low pressure ducting	NA01-75GAA-2-10	41BA340		/ /	* / /	
D-2.20	R&R window defog selector (Y-duct)	NA01-75GAA-2-10	41A2B30		/ /	/ /	

B.4 Demonstrates/applies knowledge of theory of operation and performs applicable organizational maintenance on the **cargo compartment air conditioning system (C/CACS)** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Cargo compartment air conditioning system (F&R to 160240)	NA01-75GAA-2-10			* / /	* / /	
A-2	Cargo compartment air conditioning system (R&T 160625+)	NA01-75GAA-2-10			* / /	* / /	
B	Functional check						
B-1	C/CACS (F&R to 160240)	NA01-75GAA-2-10			* / /	* / /	
B-2	C/CACS (R&T 160625+)	NA01-75GAA-2-10			* / /	* / /	
C	Fault isolation						
C-1	C/CACS (F&R to 160240)	NA01-75GAA-2-10			* / /	* / /	
C-2	C/CACS (R&T 160625+)	NA01-75GAA-2-10			* / /	* / /	
D	Organizational maintenance						
D-1	C/CACS (F&R to 160240)						
D-1.1	R&R flow control shut-off valve	NA01-75GAA-2-10	41B1011		/ /	* / /	
D-1.2	R&R heat exchanger	NA01-75GAA-2-10	41B1714		/ /	* / /	
D-1.3	R&R turbine	NA01-75GAA-2-10	41B1713		* / /	* / /	
D-1.4	R&R water separator	NA01-75GAA-2-10	41B1410		/ /	* / /	
D-1.5	R&R temperature control valve	NA01-75GAA-2-10	41B1240		* / /	* / /	
D-1.6	R&R high pressure ducts	NA01-75GAA-2-10	41B11		/ /	* / /	
D-1.7	R&R low pressure ducts	NA01-75GAA-2-10	41BA340		/ /	/ /	
D-1.8	R&R auxiliary vent valve	NA01-75GAA-2-10	41B1D50		* / /	* / /	
D-1.9	R&R temperature control box	NA01-75GAA-2-10	41B1C10		/ /	* / /	
D-1.10	R&R cabin temperature control thermostat	NA01-75GAA-2-10	41BA3J0		* / /	* / /	
D-1.11	R&R duct anticipator thermostat	NA01-75GAA-2-10	41BA3J0		* / /	* / /	
D-1.12	R&R high limit thermostat	NA01-75GAA-2-10	41BA3J0		/ /	* / /	
D-1.13	R&R ram air intake duct	NA01-75GAA-2-10	41B1D00		/ /	* / /	

DA B.4 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-1.14	R&R cargo compartment overheat warning thermostat	NA01-75GAA-2-10	41BA3J0		* / /	* / /	
D-1.15	R&R blower motor	NA01-75GAA-2-10	41BA3J0		/ /	* / /	
D-1.16	Service turbine	NA01-75GAA-2-10	41B1713		* / /	* / /	
D-1.17	R&R cargo compartment recirculation fan	NA01-75GAA-2-10	41BB2		/ /	* / /	
D-2	C/CACS (R&T 160625+)				/	/ /	
D-2.1	R&R flow control shut-off valve	NA01-75GAA-2-10	41B1210		/ /	* / /	
D-2.2	R&R heat exchanger	NA01-75GAA-2-10	41B1714		/ /	* / /	
D-2.3	R&R turbine	NA01-75GAA-2-10	41B1713		/ /	* / /	
D-2.4	R&R water separator	NA01-75GAA-2-10	41B1410		/ /	* / /	
D-2.5	R&R temperature control valve	NA01-75GAA-2-10	41B1240		/ /	* / /	
D-2.6	R&R auxiliary vent valve	NA01-75GAA-2-10	41B1510		/ /	* / /	
D-2.7	R&R ram air intake duct	NA01-75GAA-2-10	41B1D00		/ /	* / /	
D-2.8	R&R low limit box	NA01-75GAA-2-10	41B1C10		/ /	* / /	
D-2.9	R&R low limit valve	NA01-75GAA-2-10	41B1240		/ /	* / /	
D-2.10	R&R low limit sensor	NA01-75GAA-2-10	41BA3J0		/ /	* / /	
D-2.11	R&R temperature control box	NA01-75GAA-2-10	41B1C10		/ /	* / /	
D-2.12	R&R cabin temperature control thermostat	NA01-75GAA-2-10	41BA3J0		/ /	* / /	
D-2.13	R&R duct anticipator thermostat	NA01-75GAA-2-10	41BA3J0		/ /	* / /	
D-2.14	R&R high limit thermostat	NA01-75GAA-2-10	41BA3J0		/ /	* / /	
D-2.15	R&R cargo compartment overheat warning thermostat	NA01-75GAA-2-10	41BA3J0		/ /	* / /	
D-2.16	R&R blower motor	NA01-75GAA-2-10	41BA3J0		/ /	/ /	
D-2.17	R&R turbine	NA01-75GAA-2-10	41B1713		/ /	* / /	
D-2.18	R&R recirculation fan	NA01-75GAA-2-10	41BB2		/ /	* / /	
D-2.19	R&R water separator pressure switch	NA01-75GAA-2-10	41B18		/ /	* / /	

B.5 Demonstrates/applies knowledge of theory of operation and performs applicable organizational maintenance on the **under floor heat system** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Under floor heat system	NA01-75GAA-2-10			* / /	* / /	
B	Functional check						
B-1	Under floor heat system	NA01-75GAA-2-10			* / /	* / /	
C	Fault isolation						
C-1	Under floor heat system	NA01-75GAA-2-10			* / /	* / /	
D	Organizational maintenance						
D-1	Under floor heat system (F)				/ /	/ /	
D-1.1	R&R shutoff valve	NA01-75GAA-2-10	41B1220		/ /	* / /	
D-1.2	R&R control thermostat	NA01-75GAA-2-10	41B85		* / /	* / /	
D-1.3	R&R high limit thermo switch	NA01-75GAA-2-10	41B86		* / /	* / /	
D-1.4	R&R diverter valve	NA01-75GAA-2-10	41B1230		* / /	* / /	

DA B.5 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-2	Under floor heat system (R/T)				/ /	/ /	
D-2.1	R&R shutoff valve	NA01-75GAA-2-10	41B120		/ /	* / /	
D-2.2	R&R control thermostat	NA01-75GAA-2-10	41B8510		* / /	* / /	
D-2.3	R&R high limit thermoswitch	NA01-75GAA-2-10	41B86		* / /	* / /	
D-2.4	R&R temperature control valve	NA01-75GAA-2-10	41B1230		* / /	* / /	
D-2.5	R&R ducting	NA01-75GAA-2-10	41B84		/ /	/ /	

B.6 Demonstrates/applies knowledge of theory of operation and performs applicable organizational maintenance on the **pressurization system** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Pressurization system	NA01-75GAA-2-10			* / /	* / /	
B	Functional check						
B-1	Pressurization system	NA01-75GAA-2-10			* / /	* / /	
B-2	Emergency depressurization center escape hatch	NA01-75GAA-2-10	11DT1		* / /	* / /	
C	Fault isolation						
C-1	Pressurization system	NA01-75GAA-2-10	41C10		* / /	* / /	
D	Organizational maintenance						
D-1	R&R pressure controller	NA01-75GAA-2-10	41C1D		* / /	* / /	
D-2	R&R cabin rate-of-climb indicator	NA01-75GAA-2-10	51R1A		/ /	* / /	
D-3	R&R outflow valve	NA01-75GAA-2-10	41C1C10		/ /	* / /	
D-4	R&R safety valve	NA01-75GAA-2-10	41C1411		/ /	* / /	
D-5	R&R cabin filter/outflow/pressure controller	NA01-75GAA-2-10	41C1F		/ /	* / /	
D-6	R&R differential pressure gauge	NA01-75GAA-2-10	51X2U		/ /	/ /	
D-7	R&R cabin pressure altimeter	NA01-75GAA-2-10	51R2Q		/ /	/ /	
D-8	Clean and inspect pneumatic relay	NA01-75GAA-2-10	41C1C10		/ /	/ /	

B.7 Demonstrates/applies knowledge of theory of operation and performs applicable organizational maintenance on the **anti-icing/de-icing system** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Anti-icing/de-icing system	NA01-75GAA-2-10			* / /	* / /	
B	Functional check						
B-1	Anti-icing/de-icing system	NA01-75GAA-2-10			* / /	* / /	
C	Fault isolation						
C-1	Anti-icing/de-icing system	NA01-75GAA-2-10	41A10		* / /	* / /	

DA B.7 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D	Organizational maintenance						
D-1	R&R wing anti-icing valves	NA01-75GAA-2-10	41A1120		* / /	* / /	
D-2	R&R empennage anti-icing valves	NA01-75GAA-2-10	41A1H20		* / /	/ /	
D-3	R&R wing/empennage temperature indicator gauge	NA01-75GAA-2-10	51R2R		/ /	* / /	
D-4	R&R overheat warning thermostats	NA01-75GAA-2-10	41A20		/ /	* / /	
D-5	R&R temperature bulb thermostats	NA01-75GAA-2-10	41A20		/ /	* / /	
D-6	R&R control thermostats	NA01-75GAA-2-10	41A20		/ /	* / /	
D-7	R&R duct	NA01-75GAA-2-10	41A1100		/ /	* / /	

B.8 Demonstrates/applies knowledge of theory of operation and performs applicable organizational maintenance on the **oxygen system** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Gaseous oxygen system (F/R)	NA01-75GAA-2-10		*	* / /	* / /	
A-2	Liquid oxygen system (T)	NA01-75GAA-2-10		*	* / /	* / /	
B	Functional check						
B-1	Gaseous oxygen system (F/R)	NA01-75GAA-2-10			* / /	* / /	
B-2	Liquid oxygen system (T)	NA01-75GAA-2-10			* / /	* / /	
C	Fault isolation						
C-1	Gaseous oxygen system (F/R)	NA01-75GAA-2-10			* / /	* / /	
C-2	Liquid oxygen system (T)	NA01-75GAA-2-10			* / /	* / /	
D	Organizational maintenance						
D-1	Gaseous oxygen system (F/R)				/ /	/ /	
D-1.1	R&R oxygen cylinders	NA01-75GAA-2-10	47B16		/ /	* / /	
D-1.2	R&R oxygen check valves	NA01-75GAA-2-10	47D2C		/ /	* / /	
D-1.3	R&R pressure reducers	NA01-75GAA-2-10	47D28		/ /	* / /	
D-1.4	R&R pilot/crew oxygen shut-off valves	NA01-75GAA-2-10	47B10		/ /	* / /	
D-1.5	R&R blowout disks	NA01-75GAA-2-10	47D28		/ /	* / /	
D-1.6	R&R oxygen panel mount regulators	NA01-75GAA-2-10	47C10		* / /	* / /	
D-1.7	R&R oxygen pressure gauges	NA01-75GAA-2-10	47B10		/ /	* / /	
D-1.8	R&R servicing valve	NA01-75GAA-2-10	47B10		/ /	* / /	
D-1.9	R&R oxygen walk around regulators	NA01-75GAA-2-10	47C1R		* / /	* / /	
D-1.10	R&R recharge hoses	NA01-75GAA-2-10	47B10		/ /	* / /	
D-1.11	R&R oxygen supply lines	NA01-75GAA-2-10	47B10		/ /	* / /	
D-1.12	Services oxygen system	NA01-75GAA-2-10	47B10		/ /	* / /	
D-2	Liquid oxygen system (T)				/ /	/ /	
D-2.1	R&R LOX converter	NA01-75GAA-2-10	47A14		/ /	* / /	
D-2.2	R&R comb fill and build up valve	NA01-75GAA-2-10	47A10		/ /	* / /	
D-2.3	R&R system shutoff valve	NA01-75GAA-2-10	47A10		/ /	* / /	
D-2.4	R&R heat exchanger	NA01-75GAA-2-10	47A10		/ /	* / /	

DA B.8 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-2.5	R&R quantity gauge	NA01-75GAA-2-10	47R11		/ /	* / /	
D-2.6	R&R supply lines	NA01-75GAA-2-10	47A10		/ /	* / /	
D-2.7	R&R oxygen regulators	NA01-75GAA-2-10	47C10		* / /	* / /	
D-2.8	R&R drain and purge lox converter	NA01-75GAA-2-10	47A14		/ /	* / /	
D-2.9	R&R service oxygen system	NA01-75GAA-2-10	47A10		/ /	* / /	
D-2.10	R&R oxygen walk around regulators	NA01-75GAA-2-10	47C1R		* / /	* / /	

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

A	Theory of operation						
A-1	Guillotine system	NA01-75GA(X)-2-5			* / /	* / /	
B	Fault isolation						
B-1	Guillotine system	NA01-75GA(X)-2-5			* / /	* / /	
C	Organizational maintenance						
C-1	R&R guillotine assembly	NA01-75GA(X)-2-5	4661140		/ /	* / /	
C-2	R&R M-190/MK-2 (MOD-1)	NA-11-100-1.3	97A64		/ /	* / /	

B.10 Demonstrates/applies knowledge of theory of operation and performs applicable organizational maintenance on the **fire extinguishing system** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Fire extinguisher system	NA01-75GAA-2-10		*	* / /	* / /	
B	Functional check						
B-1	Fire extinguisher system	NA01-75GAA-2-10			* / /	* / /	
C	Fault isolation						
C-1	Fire extinguisher system	NA01-75GAA-2-10	49130		* / /	* / /	
D	Organizational maintenance						
D-1	R&R fire bottles	NA01-75GAA-2-10	49131		/ /	* / /	
D-2	R&R directional control valves	NA01-75GAA-2-10	49133		/ /	* / /	
D-3	R&R explosive squibbs (M-178)	NA11-100-1.1	93K13		/ /	* / /	
D-4	R&R post firing treatment		49130		/ /	* / /	
D-5	R&R fire extinguisher tubing		49130		/ /	/ /	

B.11 Demonstrates/applies knowledge of theory of operation and performs applicable organizational maintenance on the **emergency equipment** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Emergency equipment	NA01-75GA(X)-2-2			* / /	* / /	
B	Fault isolation						
B-1	Emergency equipment	NA01-75GA(X)-2-2			/ /	* / /	
C	Organizational maintenance						
C-1	R&R crash axes	NA01-75GA(X)-2-2	91B10		/ /	/ /	
C-2	R&R drinking water equipment	NA01-75GA(X)-2-2	12323		* / /	/ /	
C-3	R&R portable fire extinguishers	NA01-75GA(X)-2-2	91B12		* / /	/ /	
C-4	R&R escape rope		91B47		/ /	/ /	

B.12 Demonstrates/applies knowledge of theory of operation and performs applicable organizational maintenance on the **air turbine motor (ATM)** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Air turbine motor	NA01-75GAA-2-10			* / /	* / /	
B	Functional check						
B-1	Air turbine motor	NA03-105CB-7			* / /	* / /	
C	Fault isolation						
C-1	Air turbine motor	NA03-105CB-7	42410		* / /	* / /	
D	Organizational maintenance						
D-1	R/R modulation valve	NA03-105CB-7	42413		/ /	* / /	
D-2	R/R shut-off valve	NA03-105CB-7	42412		/ /	* / /	
D-3	R/R air turbine motor	NA03-105CB-7	42410		/ /	* / /	
D-4	R/R solenoid valve	NA03-105CB-7	42410		/ /	* / /	
D-5	R/R over-speed trip valve	NA03-105CB-7	42410		/ /	* / /	
D-6	R/R oil filter	NA03-105CB-7	42410		* / /	* / /	
D-7	R/R moisture separator	NA03-105CB-7	42410		* / /	* / /	

APPENDIX A

INDIVIDUAL EXPERIENCE DATA SHEET

INDIVIDUAL DATA

NAME: _____

SSN: _____

FORMAL SCHOOLS

SCHOOLS NAME	DATE COMPLETED

UNIT EXPERIENCE DATA

UNIT	SHOP	BILLET	FROM/TO DATES

COMMENTS:

_____

_____

_____

APPENDIX C

WORK CENTER SUMMARY
AIRCRAFT SAFETY EQUIPMENT MECHANIC (MOS 6286)

WORK CENTER NAME/NUMBER _____

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

DATE: April 2002

APPENDIX D

SUPPROT EQUIPMENT LICENSING RECORD

SUPPORT EQUIPMENT NOMENCLATURE	REFERENCE	PHASE I	PHASE II	LICENSED	EXPIRATION

NAME/SSN _____ RANK _____ MOS _____ DATE: April 2002