DUTY AREA
AIRCRAFT AIRFRAME MECHANIC (MOS 6257)

A. GENERAL, OPERATIONAL AND SAFETY DUTIES

1. Operates and maintains applicable shop **support/special equipment**.
2. Demonstrates/applies applicable **safety precautions and procedures in the 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**.
5. Demonstrates/applies knowledge of **fluids and gases** and the principles of their use, as applicable to aircraft hydraulic/ pneumatic systems

B. SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES

1. Performs required **scheduled/unscheduled inspections** on applicable systems/components as 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 **landing gear 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 **wheel brake 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 **Nose Wheel Steering (NWS) system** using appropriate maintenance procedures and support/test equipment.
7. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **catapult system** using appropriate maintenance procedures and support/test equipment.
8. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **arresting gear system** using appropriate maintenance procedures and support/test equipment.
9. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **secondary power systems** using appropriate maintenance procedures and support/test equipment.
10. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **hydraulic systems** using appropriate maintenance procedures and support/test equipment.
11. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **In-Flight Refueling (IFR) system** using appropriate maintenance procedures and support/test equipment.
12. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **aileron system** using appropriate maintenance procedures and support/test equipment.
13. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **horizontal stabilizer system** using appropriate maintenance procedures and support/test equipment.

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14. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **rudder system** using appropriate maintenance procedures and support/test equipment.
15. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **Leading Edge Flap (LEF) system** using appropriate maintenance procedures and support/test equipment.
16. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **Trailing Edge Flap (TEF) system** using appropriate maintenance procedures and support/test equipment.
17. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **speed brake system** using appropriate maintenance procedures and support/test equipment.
18. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **wing fold system** using appropriate maintenance procedures and support/test equipment.
19. Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **gun hydraulic system** using appropriate maintenance procedures and support/test equipment.
20. Performs **Organizational level maintenance** on applicable systems including the removal, installation, adjustment and alignment of the system and the repair or replacement of associated components.

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 NAMTRAGRU DET. 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)/(INDIVIDUAL’S INITIALS)/(SUPERVISOR’S INTIALS)

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

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INDIVIDUAL DUTY AREA QUALIFICATION SUMMARY
AIRCRAFT AIRFRAME MECHANIC (MOS 6252)

NAME/SSN____ Granted MOS 6251_________/_________ Level II Completed___________/__________
Granted MOS 6257_________/_________ 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	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
A.1	SUPPORT/SPECIAL EQUIPMENT	/	/	/	/
A.2	SAFETY PRECAUTIONS AND PROCEDURES IN THE WORK CENTER	/	/	/	/
A.3	AIRCRAFT PUBLICATIONS, DIAGRAMS, SKETCHES AND DRAWINGS	/	/	/	/
A.4	PRECISION MEASURING EQUIPMENT	/	/	/	/
A.5	FLUIDS AND GASES	XXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXX	
B.	SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
B.1	REQUIRED SCHEDULED/UNSCHEDULED INSPECTIONS	/	/	/	/
B.2	TECHNICAL DIRECTIVES CHANGES/BULLETINS	XXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXX	/	/
B.3	CORROSION CONTROL	/	XXXXXXXXXXXXXXXXX	/	/
B.4	LANDING GEAR SYSTEM	XXXXXXXXXXXXXXXXX	/	/	/
B.5	WHEEL BRAKE SYSTEM	XXXXXXXXXXXXXXXXX	/	/	/
B.6	NOSE WHEEL STEERING (NWS) SYSTEM	XXXXXXXXXXXXXXXXX	/	/	/
B.7	CATAPULT SYSTEM	XXXXXXXXXXXXXXXXX	/	/	/
B.8	ARRESTING GEAR SYSTEM	XXXXXXXXXXXXXXXXX	/	/	/
B.9	SECONDARY POWER SYSTEMS	XXXXXXXXXXXXXXXXX	/	/	/
B.10	HYDRAULIC SYSTEMS	XXXXXXXXXXXXXXXXX	/	/	/
B.11	IN-FLIGHT REFUELING (IFR) SYSTEM	XXXXXXXXXXXXXXXXX	/	/	/
B.12	AILERON SYSTEM	XXXXXXXXXXXXXXXXX	/	/	/
B.13	HORIZONTAL STABILIZER SYSTEM	XXXXXXXXXXXXXXXXX	/	/	/
B.14	RUDDER SYSTEM	/	/	/	/
B.15	LEADING EDGE FLAP (LEF) SYSTEM	XXXXXXXXXXXXXXXXX	/	/	/
B.16	TRAILING EDGE FLAP (TEF) SYSTEM	XXXXXXXXXXXXXXXXX	/	/	/
B.17	SPEED BRAKE SYSTEM USING	XXXXXXXXXXXXXXXXX	/	/	/
B.18	WING FOLD SYSTEM	XXXXXXXXXXXXXXXXX	/	XXXXXXXXXXXXXXXXX	/
B.19	GUN HYDRAULIC SYSTEM	XXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXX	/
B.20	ORGANIZATIONAL LEVEL MAINTENANCE	/	/	/	/

INDIVIDUAL QUALIFICATION RECORD
AIRCRAFT AIRFRAME MECHANIC (MOS 6257)

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	Hydraulic servicing unit, HSU-1	NA 17-15BF-60	*	* / /	* / /	
B	20-ton tripod hydraulic jack, 270AS100	NA 19-600-135-6-1		* / /	* / /	
C	20-ton tripod jack, (T20-3FH) 782D1100	NA 19-600-135-6-1	*	* / /	* / /	
D	Jacking beam, 78D110002-1001	NA 01-1A-20		* / /	* / /	
E	Skid plate	NA 01-1A-20	*	* / /	* / /	
F	Permaswedge kit	NA 01-1A-20		/ /	* / /	
G	Dynatube kit	NA 01-1A-20		/ /	* / /	
H	Fuel sealant injection adapter kit, 74A460008	A1-F18AC-SRM-210	*	* / /	* / /	
I	Fuel sealant cartridge adapter kit, Semco 226358	A1-F18AC-SRM-210	*	* / /	* / /	
J	Fuel sealant injection gun Groover Smith 223	A1-F18AC-SRM-210	*	* / /	* / /	
K	Pneumatic sealant gun Semco #250	A1-F18AC-SRM-210		* / /	* / /	
L	Arresting hook rigging set, 74D130027-1001	A1-F18AC-SRM-210		/ /	/ /	
M	Mechanism & controls rigging pin set, 74D140004-1001	A1-F18AC-130-300		/ /	* / /	
N	Ring lock kit	NA 01-1A-20		/ /	* / /	

A.2 Demonstrates/applies applicable **safety precautions and procedures in the work center**.

A	Ground occupational safety and health programs in specific areas					
A-1	First Aid Procedures	Marine BST/ Essential Subjects Handbook		/ /	* / /	
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	*	/ /	* / /	

DA A.2 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
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	*	/ /	/ /	
B	Shop emergency procedures					
B-1	Types of fire extinguishers	OSHA 29 CFR 1910 NAVAIR A1-NAOSH-SAF-000/P5100-1	*	/ /	/ /	
B-2	Emergency eyewash procedures	Local Instr	*	/ /	/ /	
C	Hydraulic contamination	OPNAVINST 4790.2 NA01-1A-17 Local Instr	*	/ /	/ /	
D	Emergency reclamation	OPNAVINST 4790.2 NA01-1A-509 NA16-1-540 Local Instr		/ /	/ /	
E	Aircraft Safety					
E-1	Canopy safety	A1-F18Ax-120-100	*	* / /	* / /	
E-2	Ejection seat safety	A1-F18Ax-120-100	*	* / /	* / /	
E-3	Boarding ladder operation	A1-F18Ax-LMM-000	*	* / /	* / /	
E-4	Controls/switches/indicators & normal position	A1-F18Ax-LMM-000	*	* / /	* / /	
F	Line Maintenance Emergency Procedures	AI-F18Ax-LMM-020	*	* / /	* / /	
G	General housekeeping	OSHA 29 CFR 1910	*	* / /	* / /	
H	Shop & Equipment Safety	OPNAVINST 4790.2	*	* / /	* / /	
I	Composite Material Safety	OSHA 29 CFR 1910	*	* / /	* / /	
J	Gas Free Engineering	OPNAVINST 4790.2		/ /	* / /	

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

A	General Aircraft Information	A1-F18AC-GAI-000	*	* / /	* / /	
B	Principles of Operation Manuals					
B-1	Landing Gear & Related Systems			/ /	/ /	
B-1.1	Main Landing Gear	A1-F18AC-130-100		/ /	* / /	
B-1.2	Nose Landing Gear	A1-F18AC-130-100		/ /	* / /	
B-1.3	Nose Gear System	A1-F18AC-130-100		/ /	* / /	
B-1.4	Catapult System	A1-F18AC-130-100		/ /	* / /	
B-1.5	Wheel Brake & Anti-skid	A1-F18AC-130-100		/ /	* / /	
B-1.6	Arresting Gear	A1-F18AC-130-100		/ /	* / /	

DA A.3 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B-2	Secondary Power Systems	A1-F18AC-240-100		/ /	* / /	
B-3	Hydraulic Systems	A1-F18AC-450-100		/ /	* / /	
B-4	Fuel System	A1-F18AC-460-100		/ /	/ /	
B-5	Integrated Flight Controls Systems			/ /	/ /	
B-5.1	Aileron System	A1-F18AC-570-100		/ /	* / /	
B-5.2	Horizontal Stabilizer System	A1-F18AC-570-100		/ /	* / /	
B-5.3	Rudder System	A1-F18AC-570-100		/ /	* / /	
B-5.4	Leading/Trailing Edge Flap System	A1-F18AC-570-100		/ /	* / /	
B-5.5	Speed Brake System	A1-F18AC-570-100		/ /	* / /	
B-6	Gun System	A1-F18AC-570-100		/ /	/ /	
B-7	Seat, Canopy, Survival Equipment & Boarding Ladder	A1-F18AC-120-100		* / /	/ /	
C	Testing & Troubleshooting Manuals					
C-1	Landing Gear & Related Systems	A1-F18AC-130-200		* / /	* / /	
C-2	Secondary Power Systems	A1-F18AC-240-200		/ /	* / /	
C-3	Hydraulic Systems	A1-F18AC-450-200		* / /	* / /	
C-4	Fuel System	A1-F18AC-460-200		/ /	/ /	
C-5	Integrated Flight Controls Systems	A1-F18AC-570-200		* / /	* / /	
C-6	Gun System	A1-F18AC-570-200		/ /	/ /	
C-7	Seat, Canopy, Survival Equipment & Boarding Ladder	A1-F18AC-120-200		* / /	* / /	
D	System Maintenance Manuals					
D-1	Landing Gear & Related Systems	A1-F18AC-130-300		* / /	* / /	
D-2	Secondary Power Systems	A1-F18AC-240-300		/ /	* / /	
D-3	Hydraulic Systems	A1-F18AC-450-300		* / /	* / /	
D-4	Fuel System	A1-F18AC-460-300		/ /	/ /	
D-5	Integrated Flight Controls Systems	A1-F18AC-570-300		* / /	* / /	
D-6	Gun System	A1-F18AC-750-300		/ /	/ /	
D-7	Seat, Canopy, Survival Equipment & Boarding Ladder	A1-F18AC-120-300		* / /	* / /	
E	System Schematic Manuals					
E-1	Landing Gear & Related Systems	A1-F18AC-130-500		* / /	* / /	
E-2	Secondary Power Systems	A1-F18AC-240-500		/ /	* / /	
E-3	Hydraulic Systems	A1-F18AC-450-500		* / /	* / /	
E-4	Fuel System	A1-F18AC-460-500		/ /	/ /	
E-5	Integrated Flight Controls Systems	A1-F18AC-570-500		* / /	* / /	
E-6	Gun System	A1-F18AC-750-500		/ /	/ /	
F	Structural Repair Manuals					
F-1	Structural Repair, General Information	A1-F18AC-SRM-200	*	* / /	* / /	
F-2	Structural Repair, Wing	A1-F18AC-SRM-210	*	* / /	* / /	
		A1-F18AC-SRM-600 A1-F18AC-SRM-610		/ /	* / /	
F-3	Structural Repair, Fwd Fuselage	A1-F18AC-SRM-220	*	* / /	* / /	
		A1-F18AC-SRM-650		/ /	* / /	
F-4	Structural Repair, Center Fuselage	A1-F18AC-SRM-230	*	* / /	* / /	
		A1-F18AC-SRM-700 A1-F18AC-SRM-710		/ /	* / /	

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DA A.3 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
F-5	Structural Repair, Aft Fuselage	A1-F18AC-SRM-240	*	* / /	* / /	
		A1-F18AC-SRM-750 A1-F18AC-SRM-760		/ /	* / /	
F-6	Non-Destructive Inspections	A1-F18AC-SRM-300	*	/ /	/ /	
F-7	Structure IPB, Wing	A1-F18AC-SRM-410	*	* / /	* / /	
F-8	Structure IPB, Forward Fuselage	A1-F18AC-SRM-420	*	* / /	* / /	
F-9	Structure IPB, Center Fuselage	A1-F18AC-SRM-430	*	* / /	* / /	
F-10	Structure IPB, Aft Fuselage	A1-F18AC-SRM-440	*	* / /	* / /	
F-11	Structure IPB, Parts List Index	A1-F18AC-SRM-450	*	* / /	* / /	
F-12	Aircraft Corrosion Control	A1-F18AC-SRM-500	*	* / /	* / /	
G	Periodic Maintenance Information Cards	A1-F18AC-MRC-000	*	* / /	* / /	
H	Turnaround Checklist	A1-F18AC-MRC-100	*	/ /	* / /	
I	Maintenance Requirement Cards Daily/Special/Preservation	A1-F18AC-MRC-200	*	* / /	* / /	
J	Phased Maintenance Requirement Cards	A1-F18AC-MRC-300	*	/ /	* / /	
K	Aircraft Technical Documentation List	A1-F18AC-AML-000		* / /	* / /	
L	Fault Isolation Manual	A1-F18AC-FIM-000		* / /	* / /	
M	Fault Reporting Manual	A1-F18AC-FRM-000		* / /	* / /	
N	Line Maintenance Procedures	A1-F18AC-LMM-000		* / /	* / /	
O	Line Maintenance Access Doors	A1-F18AC-LMM-010		* / /	* / /	
P	Line Maintenance Emergency Procedures	A1-F18AC-LMM-020		/ /	* / /	
Q	Line Maintenance Conditional Inspections	A1-F18AC-LMM-030		/ /	* / /	
R	NATOPS Flight Manual	A1-F18AC-NFM-000		/ /	* / /	
S	Plane Captain's Manual	A1-F18AC-PCM-000		* / /	* / /	
T	Piping & Installation Manual	A1-F18AC-PIM-000		* / /	* / /	
U	Aircraft Corrosion Control	A1-F18AC-SRM-500 NA 01-1A-509 NA 01-1A-540	*	* / /	* / /	
V	Workaround Procedures	A1-F18AC-WP-000	*	/ /	/ /	
W	Work Unit Code Manual	A1-F18AC-WUC-800	*	* / /	* / /	
X	Naval Aviation Maintenance Program (NAMP)	OPNAVINST 4790.2		* / /	* / /	
Y	Safety Manual	OSHA 29 CFR 1910 Series		/ /	* / /	
Z	Technical Manual Program	NA 00-25-100	*	/ /	* / /	
AA	Naval Aeronautics Publication List	NA 00-500 series		/ /	/ /	
BB	Aircraft Structural Hardware for Aircraft Repair	NA 01-1A-8		* / /	* / /	
CC	General Use Rosan Fittings/Crissain	44H1-1A-13		/ /	* / /	
DD	Aviation Hydraulics Manual	NA 01-1A-17	*	* / /	* / /	
EE	Aeronautical Antifriction Bearings	NA 01-1A-503		/ /	/ /	
FF	Aircraft Weapons System Cleaning & Corrosion Control	NA 01-1A-509	*	/ /	* / /	
GG	Fabrication, Maintenance, & Repair of Transparent Plastics	NA 01-1A-12	*	/ /	/ /	
HH	Aircraft Radomes and Antenna Covers	NA 01-1A-22	*	/ /	/ /	

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 inch-pound torque wrench	A1-F18AC-SRM-XXX	*	* / /	* / /	
B	Operates foot-pound torque wrench	A1-F18AC-SRM-XXX	*	* / /	* / /	
C	Operates balance scale, trip 0.10 gram graduation	A1-F18AC-SRM-XXX		/ /	/ /	
D	Operates balance scale, trip 0.1-0.5 gram graduation	A1-F18AC-SRM-XXX		/ /	/ /	
E	Operates spring resiliency tester, DDPH-250	A1-F18AC-SRM-XXX		* / /	* / /	
F	Operates push-pull gauge, DDPH-50	A1-F18AC-SRM-XXX	*	* / /	* / /	
G	Operates thermometer	A1-F18AC-SRM-XXX		/ /	/ /	
H	Operates dial indicator tensiometer	A1-F18AC-SRM-XXX		/ /	/ /	
I	Operates multimeter/Fluke 77/AN	A1-F18AG-570-200		/ /	/ /	
J	Operates optical micrometer set	A1-F18AG-130-300		/ /	/ /	

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

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

INDIVIDUAL QUALIFICATION RECORD
AIRCRAFT AIRFRAME MECHANIC (MOS 6257)

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	A1-F18AC-MRC-000		*	/ /	* / /	
B	Turnaround Checklist Requirement	A1-F18AC-MRC-100		*	/ /	/ /	
C	Daily/Servicing/Special/Preservation/ Conditional Requirement	A1-F18AC-MRC-200		*	/ /	* / /	
D	Phase Maintenance Requirement						
D-1	Performs "A" phase inspection	A1-F18AC-MRC-300			/ /	* / /	
D-2	Performs "B" phase inspection	A1-F18AC-MRC-300			/ /	* / /	
D-3	Performs "C" phase inspection	A1-F18AC-MRC-300			/ /	* / /	
D-4	Performs "D" phase inspection	A1-F18AC-MRC-300			/ /	* / /	
E	Performs special 14-day inspection	A1-F18AC-MRC-200			* / /	* / /	
F	Performs special 364-day insp	A1-F18AC-MRC-200			* / /	* / /	
G	Performs landing gear overspeed inspection	A1-F18AC-LMM-030			/ /	/ /	
H	Performs over-G insp (pos/neg)	A1-F18AC-LMM-030			/ /	* / /	
I	Performs pre/post carrier inspection	A1-F18AC-LMM-030			/ /	/ /	
J	Performs preservation/depreservation inspection	A1-F18AC-MRC-200			/ /	* / /	
K	Performs corrosion control 42-day inspection	A1-F18AC-MRC-200			/ /	* / /	
L	Performs special 10-arrestments inspection (arresting gear)	A1-F18AC-MRC-200		*	/ /	/ /	
M	Performs control cables inspection	A1-F18AC-MRC-200		*	* / /	/ /	
N	Performs airframe inspection	A1-F18AC-MRC-200		*	* / /	/ /	
O	Performs 28-day preservation inspection	A1-F18AC-MRC-200		*	/ /	/ /	
P	Performs field arrest inspection	A1-F18AC-LMM-030			/ /	/ /	
Q	Performs canopy overspeed inspection	A1-F18AC-LMM-030			/ /	/ /	
R	Performs hard landing inspection	A1-F18AC-LMM-030			/ /	/ /	
S	Performs IFR probe overspeed inspection	A1-F18AC-LMM-030			/ /	/ /	
T	Performs lightning strike inspection	A1-F18AC-LMM-030			/ /	/ /	
U	Performs trailing edge flap overspeed inspection	A1-F18AC-LMM-030			/ /	/ /	
V	Performs 600 Hour Insp	A1-F18AC-MRC-200			/ /	/ /	

B.2 Incorporates applicable **technical directives/changes/bulletins**.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Technical Directive System	NAVAIRINST 5215.8			/ /	* / /	
B	Rapid Action Minor Engineering Change (RAMEC) Proposals	NAVAIRINST 5215.10			/ /	* / /	
C	Incorporates airframe changes	OPNAVINST 4790.2			/ /	* / /	
D	Incorporates airframe bulletins	OPNAVINST 4790.2			/ /	* / /	

B.3 Detects corrosion and performs **corrosion control**.

A	Performs corrosion detection during all maintenance actions	A1-F18AC-SRM-500 NA01-1A-509 NA16-1-540		*	/ /	/ /	
B	Performs corrosion prevention during all maintenance actions	A1-F18AC-SRM-500 NA01-1A-509			/ /	* / /	
C	Performs corrective action on corrosion discrepancies	A1-F18AC-SRM-500 NA01-1A-509			/ /	* / /	
D	Performs corrosion detection/prevention on support equipment	A1-F18AC-SRM-500 NA01-1A-509 NA17-1-125			/ /	/ /	

B.4 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **landing gear system** 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	Landing gear system	A1-F18AC-130-100			* / /	* / /	
B	Functional check						
B-1	Landing gear system	A1-F18AC-130-200			/ /	* / /	
C	Fault isolation						
C-1	Landing gear system	A1-F18AC-130-200	13000		/ /	* / /	
D	Maintenance procedures						
D-1	Main landing gear				/ /	/ /	
D-1.1	R&R MLG uplock mechanism	A1-F18AC-130-300	13C1130		/ /	/ /	
D-1.2	R&R MLG downlock actuator	A1-F18AC-130-300	13C1130		/ /	* / /	
D-1.3	R&R MLG shock absorber	A1-F18AC-130-300	13C12A0		/ /	* / /	
D-1.4	R&R MLG axle hydraulic joint	A1-F18AC-130-300	13C12B0		/ /	/ /	
D-1.5	R&R MLG linear retract cyl assy	A1-F18AC-130-300	13C1210		/ /	* / /	
D-1.6	R&R MLG linear actuator cylinder	A1-F18AC-130-300	13C1211		/ /	* / /	
D-1.7	R&R MLG retract cylinder	A1-F18AC-130-300	13C1220		/ /	* / /	

DA B.4 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-1.8	R&R MLG 4-way selector valve	A1-F18AC-130-300	13C1230		/ /	/ /	
D-1.9	R&R MLG uplock actuator cylinder	A1-F18AC-130-300	13C1240		/ /	* / /	
D-1.10	R&R MLG side brace actuator	A1-F18AC-130-300	13C1260		/ /	* / /	
D-1.11	R&R MLG cylinder assembly	A1-F18AC-130-300	13C1261		/ /	* / /	
D-1.12	R&R MLG side brace swivel joint	A1-F18AC-130-300	13C1270		/ /	/ /	
D-1.13	R&R MLG door latch assembly	A1-F18AC-130-300	13C1440		/ /	* / /	
D-1.14	R&R MLG door actuator cylinder	A1-F18AC-130-300	13C1510		/ /	/ /	
D-1.15	R&R MLG door uplock hook	A1-F18AC-130-300	13C1520		/ /	* / /	
D-1.16	R&R MLG wheel & tire assembly	A1-F18AC-130-300	13C17		* / /	/ /	
D-1.17	R&R MLG tire planing drive link	A1-F18AC-130-300	13C1140		/ /	* / /	
D-1.18	R&R MLG upper drive rod assembly	A1-F18AC-130-300	13C1141		/ /	* / /	
D-1.19	R&R MLG planing mechanism assembly	A1-F18AC-130-300	13C1142		/ /	* / /	
D-1.20	R&R MLG shrink link assembly	A1-F18AC-130-300	13C1143		/ /	* / /	
D-1.21	R&R MLG upper connecting link	A1-F18AC-130-300	13C1144		/ /	* / /	
D-1.22	R&R MLG planing cylinder assembly	A1-F18AC-130-300	13C1149		/ /	* / /	
D-1.23	R&R MLG axle lever assembly	A1-F18AC-130-300	13C1151		/ /	/ /	
D-1.24	R&R MLG level/crank assembly	A1-F18AC-130-300	13C1152		/ /	* / /	
D-1.25	R&R MLG selector valve	A1-F18AC-130-300	13C10		/ /	/ /	
D-1.26	R&R MLG restrictor valve	A1-F18AC-130-300	13C10		/ /	/ /	
D-1.27	R&R MLG shuttle valve	A1-F18AC-130-300	13C10		/ /	/ /	
D-1.28	Rigs main landing gear system	A1-F18AC-130-300	13C00		/ /	* / /	
D-1.29	Services MLG shock absorber	A1-F18AC-LMM-000			* / /	* / /	
D-1.30	Services MLG tire assemblies	A1-F18AC-LMM-000			/ /	/ /	
D-1.31	R&R MLG outboard WW door rod end attach bracket	A1-F18AC-130-300	13C1400		/ /	/ /	
D-1.32	R&R MLG inboard WW door	A1-F18AC-130-300	13C1410		/ /	/ /	
D-1.33	R&R MLG strut door uplock roller bracket	A1-F18AC-SRM-250	13C1520		/ /	/ /	
D-1.34	R&R forward MLG door	A1-F18AC-130-300	13C1430		/ /	/ /	
D-1.35	R&R MLG door hinge pins	A1-F18AC-130-300	13C1430		/ /	/ /	
D-1.36	Replaces forward MLG door hinge bearing	A1-F18AC-130-300	13C1430		/ /	/ /	
D-2	Nose landing gear system	A1-F18AC-130-300			/ /	/ /	
D-2.1	R&R NLG drag brace	A1-F18AC-130-300	13C2120		/ /	* / /	
D-2.2	Removes, repacks and replaces NLG piston assembly	A1-F18AC-130-300	13C2122		/ /	/ /	
D-2.3	R&R NLG uplock mechanism	A1-F18AC-130-300	13C2130		/ /	* / /	
D-2.4	R&R NLG cylinder/piston assembly	A1-F18AC-130-300	13C2210		/ /	* / /	
D-2.5	R&R NLG retract shuttle valve	A1-F18AC-130-300	13C2230		/ /	/ /	
D-2.6	R&R NLG shuttle valve	A1-F18AC-130-300	13C2240		/ /	/ /	
D-2.7	R&R NLG 2-way restrictor valve	A1-F18AC-130-300	13C2250		/ /	/ /	

DA B.4 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-2.8	R&R NLG hydraulic swivel joint	A1-F18AC-130-300	13C2260		/ /	/ /	
D-2.9	R&R NLG linear actuator assembly	A1-F18AC-130-300	13C2531		/ /	* / /	
D-2.10	R&R NLG control valve	A1-F18AC-130-300	13C3220		/ /	/ /	
D-2.11	R&R NLG strut	A1-F18AC-130-300	13C10		/ /	* / /	
D-2.12	R&R NLG time delay shuttle valve	A1-F18AC-130-300	13C10		/ /	/ /	
D-2.13	R&R NLG sequence valve	A1-F18AC-130-300	13C10		/ /	/ /	
D-2.14	R&R NLG door actuating cylinder	A1-F18AC-130-300	13C10		/ /	* / /	
D-2.15	R&R NLG door uplock latch mech	A1-F18AC-130-300	13C10		/ /	* / /	
D-2.16	R&R NLG drag brace swivel joint	A1-F18AC-130-300	13C10		/ /	/ /	
D-2.17	R&R NLG launch bar hydraulic swivel joint	A1-F18AC-130-300	13C10		/ /	/ /	
D-2.18	Rigs nose landing gear system	A1-F18AC-130-300	13C10		/ /	* / /	
D-2.19	Services NLG shock absorber	A1-F18AC-LMM-000			/ /	* / /	
D-2.20	Services tire assembly	A1-F18AC-LMM-000			* / /	/ /	
D-2.21	R&R NLG doors	A1-F18AC-130-300	13C2400		/ /	/ /	
D-2.22	R&R NLG doors drive support	A1-F18AC-130-300	13C2400		/ /	/ /	
D-2.23	R&R RH NLG door cam follower	A1-F18AC-130-300	13C2420		/ /	/ /	
D-2.24	R&R NLG doors hinge bearing	A1-F18AC-130-300	13C2400		/ /	/ /	
D-2.25	R&R NLG drag brace fairing	A1-F18AC-130-300	13C2400		/ /	* / /	
D-2.26	R&R fairing louver	A1-F18AC-130-300	13C2400		/ /	/ /	
D-2.27	Replaces hinge	A1-F18AC-130-300	13C2400		/ /	/ /	
D-2.28	Replaces NLG doors loose or missing fasteners	A1-F18AC-130-300	13C2400		/ /	/ /	
D-2.29	Repairs substructure cracks	A1-F18AC-SRM-230	13C2400		/ /	/ /	
D-2.30	Repairs skin cracks	A1-F18AC-SRM-230	13C2400		/ /	/ /	

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

A	Theory of operation						
A-1	Wheel brake system	A1-F18AC-130-100			* / /	* / /	
B	Functional check						
B-1	Wheel brake system	A1-F18AC-130-200			/ /	* / /	
C	Fault isolation						
C-1	Wheel brake system	A1-F18AC-130-200	13C50		/ /	* / /	
D	Maintenance procedures						
D-1	R&R park & emergency brake arming valve	A1-F18AC-130-300	13C500		/ /	/ /	
D-2	R&R multiple disc brake	A1-F18AC-130-300	13C5210		* / /	* / /	
D-3	R&R brake shuttle valve	A1-F18AC-130-300	13C5216		/ /	/ /	
D-4	R&R brake servo valve assembly	A1-F18AC-130-300	13C5220		/ /	/ /	

DA B.5 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-5	R&R brake swivel joint	A1-F18AC-130-300	13C5240		* / /	/ /	
D-6	R&R skid control valve	A1-F18AC-130-300	13C5420		/ /	/ /	
D-7	R&R emergency brake hydraulic accumulator	A1-F18AC-130-300	13C5510		/ /	* / /	
D-8	R&R emergency brake manual control valve	A1-F18AC-130-300	13C5520		/ /	/ /	
D-9	R&R emergency/park brake control valve	A1-F18AC-130-300	13C5550		/ /	/ /	
D-10	R&R emergency/park brake handle	A1-F18AC-130-300	13C5560		/ /	/ /	
D-11	R&R push-pull emergency/park brake cable	A1-F18AC-130-300	13C5560		/ /	* / /	
D-12	R&R emergency brake pressure ind	A1-F18AC-130-300	13C5510		/ /	/ /	
D-13	R&R brake check valve	A1-F18AC-130-300	13C500		/ /	/ /	
D-14	R&R brake restrictors	A1-F18AC-130-300	13C500		/ /	/ /	

B.6 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **Nose Wheel Steering (NWS) system** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Nose wheel steering system	A1-F18AC-130-100			* / /	* / /	
B	Functional check						
B-1	Nose wheel steering system	A1-F18AC-130-200			* / /	* / /	
C	Fault isolation						
C-1	Nose wheel steering system	A1-F18AC-130-200	13C60		* / /	* / /	
D	Maintenance procedures						
D-1	R&R NWS power unit	A1-F18AC-130-300	13C6210		/ /	* / /	
D-2	R&R NWS selector valve	A1-F18AC-130-300	13C6220		/ /	/ /	
D-3	R&R NWS check valve	A1-F18AC-130-300	13C60		/ /	/ /	
D-4	R&R NWS shuttle valve	A1-F18AC-130-300	13C60		/ /	/ /	
D-5	R&R NWS swivel joint	A1-F18AC-130-300	13C60		/ /	/ /	
D-6	Rigs nose wheel steering	A1-F18AC-130-300	13C60		/ /	* / /	

B.7 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **catapult system** 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	Catapult system	A1-F18AC-130-100			* / /	* / /	
B	Functional check						
B-1	Catapult system	A1-F18AC-130-200			* / /	/ /	
C	Fault isolation						
C-1	Catapult system	A1-F18AC-130-200	13B10		* / /	/ /	
C-2	Repeatable release holdback adapter	A1-F18AC-130-200	13B10		/ /	/ /	
D	Maintenance procedures						
D-1	R&R launch bar	A1-F18AC-130-300	13B1220		* / /	* / /	
D-2	R&R launch bar power unit	A1-F18AC-130-300	13B1220		* / /	/ /	
D-3	R&R launch bar solenoid valve	A1-F18AC-130-300	13B1220		/ /	/ /	
D-4	R&R launch bar link drive	A1-F18AC-130-300	13B1220		/ /	/ /	
D-5	R&R launch bar restrictors	A1-F18AC-130-300	13B1220		/ /	/ /	
D-6	R&R launch bar check valve	A1-F18AC-130-300	13B1220		/ /	/ /	
D-7	Rigs launch bar system	A1-F18AC-130-300	13B1220		* / /	/ /	
D-8	R&R repeatable release holdback adapter	A1-F18AC-130-300	13A10		/ /	/ /	

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

A	Theory of operation						
A-1	Arresting gear system	A1-F18AC-130-100			* / /	* / /	
B	Functional check						
B-1	Arresting gear system	A1-F18AC-130-200			* / /	* / /	
B-2	Control to uplock assembly	A1-F18AC-130-200			/ /	* / /	
C	Fault isolation						
C-1	Arresting gear system	A1-F18AC-130-200	13A10		* / /	* / /	
D	Maintenance procedures						
D-1	R&R arresting hook actuating cyl	A1-F18AC-130-300	13A1210		/ /	* / /	
D-2	R&R solenoid valve	A1-F18AC-130-300	13A1220		/ /	/ /	
D-3	R&R bleed valve	A1-F18AC-130-300	13A10		/ /	/ /	
D-4	R&R tail hook ind Schrader valve	A1-F18AC-130-300	13A10		/ /	/ /	
D-5	Rigs arresting gear system	A1-F18AC-130-300	13A1210		/ /	/ /	
D-6	R&R hook assembly	A1-F18AC-130-300	13A1120		/ /	/ /	
D-7	R&R cushion pad	A1-F18AC-130-300	13A1130		/ /	/ /	
D-8	R&R hook point	A1-F18AC-130-300	13A1120		/ /	* / /	
D-9	R&R retainers	A1-F18AC-130-300	13A1120		/ /	/ /	

DA B.8 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-10	R&R uplatch mechanism	A1-F18AC-130-300	13A1120		/ /	/ /	
D-11	R&R arresting hook control	A1-F18AC-130-300	13A1110		/ /	/ /	
D-12	Repairs push-pull control	A1-F18AC-130-300	13A1121		/ /	/ /	
D-13	Adjusts push-pull control	A1-F18AC-130-300	13A1121		/ /	/ /	

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

A	Theory of operation						
A-1	Secondary power systems	A1-F18AC-240-100			* / /	* / /	
B	Functional check						
B-1	Secondary power systems	A1-F18AC-240-200			/ /	* / /	
C	Fault isolation						
C-1	Secondary power systems	A1-F18AC-240-200	24A80		/ /	/ /	
D	Maintenance procedures						
D-1	R&R APU accumulator dump valve	A1-F18AC-240-300	24A84		/ /	/ /	
D-2	R&R APU self displacing accumulator	A1-F18AC-240-300	24A8410		/ /	* / /	
D-3	R&R hydraulic hand driven pump	A1-F18AC-240-300	24A81		/ /	/ /	
D-4	Pressurize & bleed APU hyd system	A1-F18AC-240-300	24A81		/ /	/ /	

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

A	Theory of operation						
A-1	Hydraulic systems	A1-F18AC-450-100			* / /	* / /	
B	Functional check						
B-1	Hydraulic systems	A1-F18AC-450-200			/ /	* / /	
C	Fault isolation						
C-1	Hydraulic systems	A1-F18AC-450-200	45000		/ /	* / /	
D	Maintenance procedures						
D-1	R&R fluid level indicator assembly	A1-F18AC-450-300	4531B		/ /	/ /	
D-2	R&R hydraulic pump manifold	A1-F18AC-450-300	4531C		/ /	* / /	
D-3	R&R hydraulic reservoir manifold	A1-F18AC-450-300	45312		/ /	/ /	
D-4	R&R hydraulic reservoir	A1-F18AC-450-300	45311		* / /	* / /	
D-5	R&R hydraulic pump	A1-F18AC-450-300	45313		* / /	* / /	
D-6	R&R return housing assembly	A1-F18AC-450-300	4531430		/ /	* / /	
D-7	R&R pressure transmitter	A1-F18AC-450-300	45315		/ /	/ /	
D-8	R&R case drain filter assembly	A1-F18AC-450-300	45316		/ /	* / /	
D-9	R&R pressure housing assembly	A1-F18AC-450-300	4541420		/ /	* / /	

DA B.10 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-10	R&R hydraulic filter unit	A1-F18AC-450-300	45410		* / /	* / /	
D-11	R&R hydraulic pump return filter	A1-F18AC-450-300	45410		/ /	* / /	
D-12	R&R forward hydraulic solenoid shutoff valve	A1-F18AC-450-300	45410		/ /	/ /	
D-13	R&R aft isolation valve	A1-F18AC-450-310	45410		/ /	/ /	
D-14	Repairs hydraulic tubing, permaswedge & Dynatube, Ring lock	NA17-10DA-5 NA01-1A-20 Deutch Perma Man.	45110		/ /	* / /	
D-15	R&R Rosan & Crissair fittings	44-H1-1-13	45110		/ /	* / /	

B.11 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **In-Flight Refueling (IFR) system** 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	Inflight Refueling system	A1-F18AC-460-100			* / /	* / /	
B	Functional check						
B-1	Inflight Refueling system	A1-F18AC-460-200			/ /	/ /	
C	Fault isolation						
C-1	Inflight Refueling system	A1-F18AC-460-200	46117		/ /	* / /	
D	Maintenance procedures						
D-1	R&R IFR control valve	A1-F18AC-460-300	46100		* / /	/ /	
D-2	R&R emergency IFR control valve	A1-F18AC-460-300	46100		/ /	/ /	
D-3	Rigs IFR system	A1-F18AC-460-300	46100		/ /	/ /	
D-4	R&R IFR probe barrel	A1-F18AC-460-300	4631130		/ /	/ /	
D-5	R&R probe assembly	A1-F18AC-460-300	4631110		/ /	/ /	
D-6	R&R access doors	A1-F18AC-460-300	1111AN0		/ /	/ /	
D-7	R&R fairing	A1-F18AC-460-300	1111AP0		/ /	/ /	
D-8	Adjusts/trims access doors & fairing	A1-F18AC-460-300	1111AP0		/ /	* / /	
D-9	R&R refueling probe tip	A1-F18AC-460-300			/ /	* / /	
D-10	R&R IFR probe actuating cylinder	A1-F18AC-460-300	4631210		/ /	/ /	
D-11	R&R IFR probe shuttle valve	A1-F18AC-460-300	4631220		/ /	/ /	

B.12 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **aileron system** 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	Aileron system	A1-F18AC-570-100			* / /	* / /	
B	Functional check						
B-1	Aileron system	A1-F18AC-570-200			* / /	* / /	

DA B.12 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C	Fault isolation						
C-1	Aileron system	A1-F18AC-570-200	14210		* / /	* / /	
D	Maintenance procedures						
D-1	R&R aileron actuator hydraulic servo cylinder	A1-F18AC-570-300	1421210		/ /	* / /	
D-2	R&R hydraulic switching valve	A1-F18AC-570-300	1421230		* / /	/ /	
D-3	R&R aileron	A1-F18AC-570-300	1421110		/ /	/ /	
D-4	R&R aileron shroud	A1-F18AC-570-300	1421310		/ /	/ /	
D-5	Rig aileron control system	A1-F18AC-570-300	1421000		/ /	* / /	

B.13 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **horizontal stabilizer system** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Horizontal stabilizer system	A1-F18AC-570-100			* / /	* / /	
B	Functional check						
B-1	Horizontal stabilizer system	A1-F18AC-570-200			* / /	* / /	
B-2	Mechanical mode of horizontal stabilizer	A1-F18AC-570-200			* / /	* / /	
B-3	Lateral control bellcrank assembly	A1-F18AC-570-200			* / /	* / /	
C	Fault isolation						
C-1	Horizontal stabilizer system	A1-F18AC-570-200	14310		* / /	* / /	
D	Maintenance procedures						
D-1	R&R horizontal stabilizer servocylinder	A1-F18AC-570-300	1431210		/ /	* / /	
D-2	R&R longitudinal/lateral control rigid connecting link	A1-F18AC-570-300	1431259		/ /	/ /	
D-3	R&R linear mode select actuator	A1-F18AC-570-300	1431260		/ /	/ /	
D-4	R&R longitudinal mixer assembly	A1-F18AC-570-300	14310		/ /	/ /	
D-5	R&R lateral mixer assembly	A1-F18AC-570-300	14310		/ /	/ /	
D-6	Rigs horizontal stabilizer control system	A1-F18AC-570-300	1431230		/ /	* / /	
D-7	R&R stabilizer assembly	A1-F18AC-570-300	1431130		* / /	/ /	
D-8	R&R torque shaft assembly	A1-F18AC-570-300	1431200		/ /	/ /	
D-9	R&R grooved pulley	A1-F18AC-570-300	1431200		/ /	/ /	
D-10	R&R wire rope assembly	A1-F18AC-570-300	1431200		/ /	/ /	
D-11	R&R connecting linkage	A1-F18AC-570-300	1431200		/ /	/ /	
D-12	R&R lateral feel cartridge assy	A1-F18AC-570-300	14115		/ /	/ /	
D-13	Repairs lateral & summing control mechanism	A1-F18AC-570-300	1431220		/ /	/ /	
D-14	Repairs regulator assembly	A1-F18AC-570-300	1431130		/ /	/ /	
D-15	Rigs the mechanical backup system	A1-F18AC-570-300	1431130		/ /	* / /	
D-16	R&R stabilizer horn assembly	A1-F18AC-570-300	1431230		/ /	/ /	

B.14 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **rudder system** 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	Rudder system	A1-F18AC-570-100			* / /	* / /	
B	Functional check						
B-1	Rudder system				/ /	/ /	
B-2	Rudder pedals	A1-F18AC-570-200		*	* / /	* / /	
B-3	Rudder/brake pedal position adjustment handle	A1-F18AC-570-200			/ /	* / /	
C	Fault isolation						
C-1	Rudder system	A1-F18AC-570-200	14410		* / /	* / /	
C-2	Rudder pedals	A1-F18AC-570-200	1411420		/ /	/ /	
D	Maintenance procedures						
D-1	R&R rudder hydraulic servocylinder	A1-F18AC-570-300	1441210		/ /	* / /	
D-2	R&R dual solenoid valve assembly	A1-F18AC-570-300	1441212		/ /	/ /	
D-3	R&R cylinder assembly	A1-F18AC-570-300	1441213		/ /	/ /	
D-4	R&R rudder hyd switching valve	A1-F18AC-570-300	1441220		* / /	/ /	
D-5	Rigs rudder control system	A1-F18AC-570-300	14410		/ /	/ /	
D-6	R&R rudder fairings	A1-F18AC-570-300	1441110		/ /	/ /	
D-7	R&R rudder	A1-F18AC-570-300	1441110		/ /	/ /	
D-8	R&R rudder/brake pedal assembly	A1-F18AC-570-300	1441200		/ /	/ /	
D-9	R&R position adjustment handle	A1-F18AC-570-300	1441200		/ /	/ /	
D-10	Aligns rudder pedals	A1-F18AC-570-300	1441200		/ /	/ /	

B.15 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **Leading Edge Flap (LEF) system** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Leading Edge Flap system	A1-F18AC-570-100			* / /	* / /	
B	Functional check						
B-1	Leading Edge Flap system	A1-F18AC-570-200			* / /	* / /	
C	Fault isolation						
C-1	Leading Edge Flap system	A1-F18AC-570-200	14510		* / /	* / /	
D	Maintenance procedures						
D-1	R&R LEF hydraulic drive unit	A1-F18AC-570-300	14510		/ /	* / /	
D-2	R&R LEF linear directional control valve	A1-F18AC-570-300	14514		* / /	/ /	
D-3	R&R LEF geared universal joint	A1-F18AC-570-300	1451300		/ /	/ /	
D-4	R&R LEF drive transmission	A1-F18AC-570-300	14513E0		/ /	/ /	
D-5	R&R LEF drive unit servo valve	A1-F18AC-570-300	1451310		/ /	/ /	
D-6	R&R LEF asymmetry control unit	A1-F18AC-570-300	1451361		/ /	/ /	

DA B.15 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-7	Rigs leading edge flap system	A1-F18AC-570-300	14510		/ /	* / /	
D-8	R&R inboard leading edge flap	A1-F18AC-570-300	1451110		* / /	/ /	
D-9	R&R outboard leading edge flap	A1-F18AC-570-300	1451210		/ /	/ /	
D-10	R&R inboard transmission	A1-F18AC-570-300	1451330		/ /	/ /	
D-11	R&R outboard transmission	A1-F18AC-570-300	1451350		/ /	/ /	
D-12	R&R transmission elastomer fairing	A1-F18AC-570-300	1451350		/ /	/ /	
D-13	R&R over travel stop assembly	A1-F18AC-570-300	1451360		* / /	/ /	
D-14	R&R angle drive unit	A1-F18AC-570-300	1451314		/ /	/ /	
D-15	R&R drive shaft	A1-F18AC-570-300	1451300		/ /	/ /	
D-16	R&R bearing unit	A1-F18AC-570-300	1451300		/ /	/ /	
D-17	R&R hinge unit	A1-F18AC-570-300	14517		/ /	/ /	
D-18	R&R idler hinge	A1-F18AC-570-300	14517		/ /	/ /	
D-19	Replaces failed hardware	A1-F18AC-570-300	1451300		/ /	/ /	

B.16 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **Trailing Edge Flap (TEF) system** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Trailing Edge Flap system	A1-F18AC-570-100			* / /	* / /	
B	Functional check						
B-1	Trailing Edge Flap system	A1-F18AC-570-200			* / /	* / /	
C	Fault isolation						
C-1	Trailing Edge Flap system	A1-F18AC-570-200	14610		* / /	* / /	
D	Maintenance procedures						
D-1	R&R TEF servocylinder	A1-F18AC-570-300	1461210		/ /	* / /	
D-2	Rigs trailing edge flap system	A1-F18AC-570-300	14610		/ /	* / /	
D-3	R&R trailing edge flap assembly	A1-F18AC-570-300	1461110		/ /	/ /	
D-4	R&R trailing edge flap shroud assy	A1-F18AC-570-300	1461310		/ /	/ /	

B.17 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **speed brake system** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Speed brake system	A1-F18AC-570-100			* / /	* / /	
B	Functional check						
B-1	Speed brake system	A1-F18AC-570-200			/ /	* / /	
C	Fault isolation						
C-1	Speed brake system	A1-F18AC-570-200	14710		/ /	* / /	

DA B.17 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D	Maintenance procedures						
D-1	R&R speed brake control valve	A1-F18AC-570-300	1471200		/ /	/ /	
D-2	R&R speed brake reducing valve	A1-F18AC-570-300	14712A0		/ /	/ /	
D-3	R&R hyd linear actuating cylinder	A1-F18AC-570-300	1471210		/ /	* / /	
D-4	R&R speed brake manifold assembly	A1-F18AC-570-300	14710		/ /	/ /	
D-5	R&R speed brake assembly	A1-F18AC-SRM-240	1471110		/ /	/ /	
D-6	R&R speed brake hinge bushing & panel	A1-F18AC-570-300	1151180		/ /	/ /	

B.18 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **wing fold system** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Wing fold system	A1-F18AC-570-100			* / /	/ /	
B	Functional check						
B-1	Wing fold system	A1-F18AC-570-200			* / /	/ /	
B-2	Lock cable system	A1-F18AC-570-200			/ /	/ /	
C	Fault isolation						
C-1	Wing fold system	A1-F18AC-570-200	1421220		* / /	/ /	
D	Maintenance procedures						
D-1	R&R wing fold hydraulic swivel	A1-F18AC-570-300	1421220		/ /	/ /	
D-2	Rigs wing fold system	A1-F18AC-570-300	14210		/ /	/ /	
D-3	R&R wing fold torque shaft	A1-F18AC-570-300	14A1140		/ /	/ /	
D-4	R&R lock system cable	A1-F18AC-570-300	14A1110		/ /	/ /	
D-5	R&R wing fold transmission	A1-F18AC-570-300	14A1120		/ /	/ /	
D-6	R&R loose/missing elastomer fairings	A1-F18AC-570-300	14A10		/ /	/ /	
D-7	R&R control assembly, push-pull wing lock	A1-F18AC-570-300	14A1140		/ /	/ /	
D-8	R&R wing fold control handle	A1-F18AC-570-300	14A1140		/ /	/ /	

B.19 Demonstrates/applies knowledge of theory of operation and performs applicable organizational level maintenance on the **gun hydraulic system** using appropriate maintenance procedures and support/test equipment.

A	Theory of operation						
A-1	Gun hydraulic system	A1-F18AC-570-100			/ /	/ /	
B	Functional check						
B-1	Gun hydraulic system	A1-F18AC-570-200			/ /	/ /	
C	Fault isolation						
C-1	Gun hydraulic system	A1-F18AC-570-200	75100		/ /	/ /	

DA B.19 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D	Maintenance procedures						
D-1	R&R gun hydraulic manifold	A1-F18AC-570-300	75100		/ /	/ /	
D-2	R&R hydraulic flow control valve	A1-F18AC-570-300	75100		/ /	/ /	

B.20 Performs **Organizational level maintenance** on applicable systems including the removal, installation, adjustment and alignment of the system and the repair or replacement of associated components.

A	Aircraft hoisting						
A-1	Performs aircraft hoisting	A1-F18AC-SRM-200			/ /	/ /	
A-2	Performs A/C emergency hoisting	A1-F18AC-SRM-200			/ /	/ /	
B	Avionics cooling system						
B-1	R&R emergency ram air scoop, linkage, hinge/hardware	A1-F18AC-410-300	4115U		/ /	/ /	
C	Forward fuselage						
C-1	R&R fasteners	A1-F18AC-SRM-220	1111530		/ /	* / /	
C-2	Repairs forward fuselage, blends out nicks, scratches, finish damage & refinishes	A1-F18AC-SRM-220	1111530		/ /	* / /	
C-3	Repair damaged skin & structure	A1-F18AC-SRM-220	1111530		/ /	* / /	
C-4	R&R radome rain erosion boot	A1-F18AC-SRM-220	1111000		/ /	/ /	
C-5	R&R radome	A1-F18AC-SRM-220	1111000		/ /	/ /	
C-6	R&R radome seal	A1-F18AC-SRM-220	1111000		/ /	/ /	
C-7	R&R radome nose cap	A1-F18AC-SRM-220	1111000		/ /	/ /	
C-8	R&R radome brace	A1-F18AC-SRM-220	1111111		/ /	/ /	
C-9	R&R radome hinge	A1-F18AC-SRM-220	1111000		/ /	/ /	
C-10	R&R radome latches	A1-F18AC-SRM-220	1111000		/ /	/ /	
C-11	Rigs radome latches	A1-F18AC-SRM-220	1111000		/ /	/ /	
C-12	Repairs radome, fills cuts, scratches, erosion/blister & reapplies surface finish	A1-F18AC-SRM-220	1111000		/ /	* / /	
C-13	R&R windshield and glareshield, hinge assembly	A1-F18AC-120-300	1111210		/ /	/ /	
C-14	R&R windshield seal	A1-F18AC-120-300	1111210		/ /	/ /	
C-15	Repairs windshield, blends out nicks, scratches or mars	A1-F18AC-SRM-220	1111210		/ /	/ /	
C-16	R&R EMI seal	A1-F18AC-SRM-220	11110		/ /	* / /	
D	Fuselage center section						
D-1	R&R fasteners	A1-F18AC-SRM-230	1131130		/ /	/ /	
D-2	Repairs crushed skin & structure	A1-F18AC-SRM-230	11310		/ /	* / /	
D-3	Repairs nicks or scratches, composite skins	A1-F18AC-SRM-230	1131130		/ /	* / /	
D-4	Repairs nicks or scratches, metal parts	A1-F18AC-SRM-230	1131130		/ /	* / /	
D-5	Repairs cracked metal skins	A1-F18AC-SRM-230	1131130	*	/ /	/ /	
D-6	Repairs punctured metal skins	A1-F18AC-SRM-230	1131130	*	/ /	/ /	

DA B.20 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-7	Repairs metal skin to core unbond	A1-F18AC-SRM-230	1131130		/ /	/ /	
D-8	Repairs punctured composite doors	A1-F18AC-SRM-230	1131130		/ /	* / /	
E	Fuselage aft section						
E-1	R&R fasteners	A1-F18AC-SRM-240	11510	*	/ /	/ /	
E-2	Repairs crushed skin or structure	A1-F18AC-SRM-240	11510		/ /	* / /	
F	Leading edge extension						
F-1	R&R fasteners	A1-F18AC-SRM-220	11710	*	/ /	/ /	
F-2	Repairs LEX components by blending out surface damage & applying surface finish	A1-F18AC-SRM-220	11710		/ /	/ /	
F-3	Repairs cracked skin	A1-F18AC-SRM-220	11710	*	/ /	/ /	
F-4	Repairs punctured skin	A1-F18AC-SRM-220	11710	*	/ /	/ /	
F-5	R&R ladder side brace	A1-F18AC-120-300	1171514		/ /	/ /	
F-6	R&R ladder drag brace	A1-F18AC-120-300	1171514		/ /	/ /	
F-7	R&R ladder latches	A1-F18AC-120-300	1171510		/ /	/ /	
F-8	R&R ladder aft beam	A1-F18AC-120-300	1171512		/ /	/ /	
F-9	R&R ladder steps	A1-F18AC-120-300	1171513		/ /	/ /	
F-10	R&R ladder step pads	A1-F18AC-120-300	1171510		/ /	/ /	
F-11	R&R ladder hardware	A1-F18AC-120-300	1171510		/ /	/ /	
F-12	R&R ladder forward beam	A1-F18AC-120-300	1171511		/ /	/ /	
F-13	R&R boarding ladder	A1-F18AC-120-300	1171510		/ /	/ /	
F-14	Rigs boarding ladder	A1-F18AC-120-300	1171510		/ /	/ /	
G	Wing section						
G-1	R&R fasteners	A1-F18AC-SRM-210	11A1310		* / /	/ /	
G-2	R&R outer wing panel	A1-F18AC-SRM-210	11A1310		/ /	/ /	
G-3	R&R outer wing assembly	A1-F18AC-SRM-210	11A1310		/ /	/ /	
G-4	R&R bushings	A1-F18AC-SRM-210	11A10		/ /	/ /	
G-5	R&R aileron seals	A1-F18AC-SRM-210	11A1340		/ /	/ /	
G-6	Repairs surface scratches, nicks or damaged finish	A1-F18AC-SRM-210	11A10	*	/ /	/ /	
G-7	Repairs loose fiber on monolithic graphite epoxy skins	A1-F18AC-SRM-210	11A10		/ /	* / /	
G-8	Repairs outer wing dam seal	A1-F18AC-SRM-210	4611660		/ /	/ /	
G-9	Repairs defective floating insert/ helicoil	A1-F18AC-SRM-210	4611660		/ /	/ /	
G-10	Performs wing sealing procedures	A1-F18AC-SRM-210	4611660		* / /	* / /	
H	Vertical stabilizer system						
H-1	R&R fasteners	A1-F18AC-SRM-240	11C1100		/ /	/ /	
H-2	R&R vertical stabilizer tip	A1-F18AC-SRM-240	11C1150		/ /	/ /	
I	Fiberglass & aramid laminate access covers						
I-1	R&R damaged or missing anchor nuts	A1-F18AC-SRM-220	11000		/ /	* / /	
J	Titanium/stainless steel access covers						
J-1	Repairs minor damage, cuts, chipped or worn surface finish	A1-F18AC-SRM-220	11000		/ /	* / /	

DA B.20 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
K	Graphite/epoxy, honeycomb sandwich access covers & aluminum honeycomb access covers						
K-1	R&R fasteners	A1-F18AC-SRM-200	11000		* / /	/ /	
L	Aluminum access covers						
L-1	R&R FIP seal	A1-F18AC-SRM-200	11000		/ /	/ /	
M	Carbon/epoxy honeycomb sandwich access doors						
M-1	Repairs surface	A1-F18AC-SRM-200	11000		/ /	* / /	
M-2	R&R door hinges	A1-F18AC-SRM-200	11000		/ /	/ /	
M-3	R&R rotary latches	A1-F18AC-SRM-200	11000		/ /	* / /	
N	Aluminum access doors						
N-1	R&R door hold open struts/brackets	A1-F18AC-SRM-200	11000		/ /	/ /	
N-2	R&R turkey feather segments	A1-F18AC-SRM-240	27465		/ /	/ /	
N-3	R&R turkey feather retaining strap	A1-F18AC-SRM-240	27465		/ /	/ /	
O	Aluminum access seals						
O-1	R&R flap seal (riveted)	A1-F18AC-SRM-210	11A1280		/ /	* / /	
P	F404-GE-400 engine						
P-1	R&R air inlet seal	A1-F18AC-270-300	27400		/ /	/ /	
Q	Air inlet control system						
Q-1	R&R ramp bleed air door	A1-F18AC-270-300	1131140		/ /	/ /	
R	Airborne radar system						
R-1	R&R support assembly slide	A1-F18AC-742-300	1111111		/ /	/ /	
S	Gun system						
S-1	R&R gun bay scavenge door	A1-F18AC-750-100	75000		/ /	/ /	

APPENDIX A

INDIVIDUAL EXPERIENCE DATA SHEET

INDIVIDUAL DATA

NAME: _____

SSN: _____

FORMAL SCHOOLS

SCHOOLS NAME	DATE COMPLETED

UNIT EXPERIENCE DATA

UNIT	SHOP	BILLET	FROM/TO DATES

COMMENTS:

_____

_____

_____

DATE: August 2002

APPENDIX C

WORK CENTER SUMMARY
AIRCRAFT AIRFRAME MECHANIC (MOS 6257)

WORK CENTER NAME/NUMBER_____

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

DATE: August 2002

APPENDIX C

WORK CENTER SUMMARY
AIRCRAFT AIRFRAME MECHANIC (MOS 6257)

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
	II									XXXXX	
	III								XXXXX	XXXXX	
	IV										
	II									XXXXX	
	III								XXXXX	XXXXX	
	IV										
	II									XXXXX	
	III								XXXXX	XXXXX	
	IV										
	II									XXXXX	
	III								XXXXX	XXXXX	
	IV										
	II									XXXXX	
	III								XXXXX	XXXXX	
	IV										
	II									XXXXX	
	III								XXXXX	XXXXX	
	IV										
	II									XXXXX	
	III								XXXXX	XXXXX	
	IV										
	II									XXXXX	
	III								XXXXX	XXXXX	
	IV										
	II									XXXXX	
	III								XXXXX	XXXXX	
	IV										
	II									XXXXX	
	III								XXXXX	XXXXX	
	IV										
	II									XXXXX	
	III								XXXXX	XXXXX	
	IV										

DATE: August 2002

APPENDIX D

SUPPORT EQUIPMENT LICENSING RECORD

SUPPORT EQUIPMENT NOMENCLATURE	REFERENCE	PHASE I	PHASE II	LICENSED	EXPIRATION

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