

DUTY AREA  
AIRCRAFT POWER PLANT TEST CELL OPERATOR, (MOS 6023)

## A. GENERAL, OPERATING AND SAFETY DUTIES

1. Operates and maintains applicable shop support/special equipment.
2. Demonstrates/applies applicable safety precautions and procedures around the work center.
3. Demonstrates/applies knowledge of applicable publications, diagrams, sketches, and drawings.

## B. SCHEDULED AND UNSCHEDULED MAINTENANCE DUTIES

1. Performs required scheduled/unscheduled inspections on applicable systems/components as per Maintenance Requirement Cards (MRC'S).
2. Incorporates applicable Technical Directives changes/bulletins.
3. Detects corrosion and performs corrosion control.
4. Operate, troubleshoot and maintain common Precision Measuring Equipment (PME).
5. Demonstrates/applies knowledge of principles of operation and performs applicable pre-operation procedures on the T64 engine to the A/M-37T-24 (V) 2 test cell system using appropriate maintenance procedures and support/test equipment.
6. Demonstrates/applies knowledge of principles of operation of final test and troubleshooting procedures for the T-64 Engine on the A/M 37T-24 (V) 2 test system.
7. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the A/M37T-17V2, A/F37T-16V4, A/E37T-24V3 T-400 test cell system using appropriate maintenance procedures and support/test equipment.
8. Demonstrates/applies knowledge of principles of operation and performs applicable pre-operation procedures on the T-400 to the A/M-37T-17V2 test cell system using appropriate maintenance procedures and support/test equipment.
9. Demonstrates/applies knowledge of principles of operation of final test and troubleshooting procedures for the T400 engine on the A/M-37T-17V2 test system.
10. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the A/E-37T-24V4/T-58 engine test system using appropriate maintenance procedures and support/test equipment.
11. Demonstrates/applies knowledge of principles of operation and performs applicable pre-operational procedures on the A/E-37T-24V4 test system using appropriate maintenance procedures and support/test equipment.
12. Demonstrates/applies knowledge of principles of operation of final test and troubleshooting procedures for the T-58 engine on the A/M-37T-24V4 test system.
13. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the A/E-37T-24V5/T-700 test system using appropriate maintenance procedures and support/test equipment.
14. Demonstrates/applies knowledge of principles of operation and performs applicable pre-operational procedures on the T-700 engine on the A/E-37T-24V5 test system.
15. Demonstrates/applies knowledge of principles of operation of final test and trouble shooting procedures for the T-700 engine on the A/M-37T-24V5 test system.
16. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the A/E-37T-26A engine test system using appropriate maintenance procedures and support/test equipment.
17. Demonstrates/applies knowledge of principles of operation and performs applicable pre-operation procedures on the T62-11 engine to the A/E37T-26A test system using appropriate maintenance procedures and support/test equipment.
18. Demonstrates/applies knowledge of principles of operation of final test and troubleshooting procedures for the T62-11 engine on the A/M-37T-2A test system using appropriate maintenance procedures and support/test equipment.

DA MOS 6023 (Continued)

19. Demonstrates/applies knowledge of principles of operation and performs applicable pre-operation procedures on the T62-27 engine to the A/E-37T-2A test system using appropriate maintenance procedures and support/test equipment.
20. Demonstrates/applies knowledge of principles of operation of final test and troubleshooting procedures for the T62-27 engine on the A/M-37T-2A test system using appropriate maintenance procedures and support/test equipment.
21. Demonstrates/applies knowledge of the principles of operation and performs applicable intermediate level maintenance on the A/M-37T-24 (V) 2 engine test stand using appropriate maintenance procedures and support/test equipment.
22. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the A/E37T-14 test system using appropriate maintenance procedures and support/test equipment.
23. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the A/E37T-17 test system using appropriate maintenance procedures and support/test equipment.
24. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the A/E37T-26/26A test system using appropriate maintenance procedures and support/test equipment.
25. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the A/F32T-6/6A test facility using appropriate maintenance procedures and support/test equipment.
26. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the A/F32T-10 test system using appropriate maintenance procedures and support/test equipment.
27. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the A/M37T-23 test system using appropriate maintenance procedures and support/test equipment.
28. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the UTTS1-7-1 universal gas turbine test stand (281150-70) using appropriate maintenance procedures and support/test equipment.
29. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the A/E37T-20/20A gas turbine starter test stand using appropriate maintenance procedures and support/test equipment.
30. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the F402-RR-406B/408A/408B turbofan engine and adapter using appropriate maintenance procedures and support/test equipment.
31. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the F404-GE-400/402 turbofan engine and engine adapter using appropriate maintenance procedures and support/test equipment.
32. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the GTC-36-200 auxiliary power unit and engine adapter using appropriate maintenance procedures and support/test equipment.
33. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the GTC-85-56 gas turbine compressor using appropriate maintenance procedures and support/test equipment.
34. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the J-52-P-408A/408B turbojet engine and engine adapter using appropriate maintenance procedures and support/test equipment.
35. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the Mk4 GTS auxiliary power unit and engine adapter using appropriate maintenance procedures and support/test equipment.
36. Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the T-56-A-16 turboprop engine using appropriate maintenance procedures and support/test equipment.
37. Demonstrates/applies knowledge of principles of operation and performs applicable operation/testing on test cells using appropriate maintenance/operating 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 the NAMTRAMAR Unit. 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 in which the Marine performs after initial exposure should be annotated on the OPNAV 4790/33 form until the Marine is signed off in level III.
- LEVEL III: An asterisk in level III indicates the task is considered training essential. A sign-off in Level III indicates the marine can perform that task 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 DUTY AREA QUALIFICATION SUMMARY  
AIRCRAFT POWER PLANT TEST CELL OPERATOR, (MOS 6023)

NAME / SSN \_\_\_\_\_ GRANTED MOS 6023 \_\_\_\_\_ / LEVEL II Completed \_\_\_\_\_ /  
 LEVEL III Completed \_\_\_\_\_ / LEVEL IV Completed \_\_\_\_\_ /

DUTY #	DUTY DESCRIPTION	LEVEL I DATE / SIGN	LEVEL II DATE / SIGN	LEVEL III DATE / SIGN	LEVEL IV DATE / SIGN
A.	GENERAL, OPERATIONAL AND SAFETY DUTIES	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
A.1	SUPPORT/SPECIAL EQUIPMENT	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/
A.2	SAFETY PRECAUTIONS AND PROCEDURES	/	XXXXXXXXXXXXXXXXXXXX	/	/
A.3	PUBLICATIONS, DIAGRAMS, SKETCHES AND DRAWINGS	/	XXXXXXXXXXXXXXXXXXXX	/	/
B.	SCHEDEDLED AND UNSCHEDULED MAINTENANCE DUTIES	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
B.1	SCHEDULED/UNSCHEDULED INSPECTIONS	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.2	TECHNICAL DIRECTIVES CHANGES/BULLETINS	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/
B.3	CORROSION CONTROL	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.4	PRECISION MEASURING EQUIPMENT (PME)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/
B.5	T64 ENGINE TO THE A/E-37T-24 (V)2 TEST CELL SYSTEM	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.6	FINAL TEST AND TROUBLE SHOOTING	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.7	A/M37T-17V2, A/F37T-16V4, A/E37T-24V3 T-400 test cell system	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.8	T-400 TO THE A/E-37T-24 (V) 3 TEST CELL SYSTEM	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.9	FINAL TEST AND TROUBLESHOOTING	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.10	A/E-37T-24V4/T-58 ENGINE TEST SYSTEM	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.11	A/E-37T-24V4 TEST SYSTEM	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.12	FINAL TEST AND TROUBLE SHOOTING	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.13	A/E-37T-24V5/T-700 TEST SYSTEM	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.14	T-700 ENGINE ON THE A/E-37T-24V5 TEST SYSTEM	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.15	FINAL TEST AND TROUBLESHOOTING	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.16	A/E-37T-26A ENGINE TEST SYSTEM	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
B.17	T62-11 ENGINE TO THE A/E-37T-26A TEST SYSTEM	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
B.18	FINAL TEST AND TROUBLESHOOTING	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
B.19	T62-27 ENGINE TO THE A/E-37T-2A TEST SYSTEM	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
B.20	FINAL TEST AND TROUBLESHOOTING	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
B.21	A/M-37T-24 (V) 2 ENGINE TEST STAND	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.22	A/E37T-14 TEST SYSTEM	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.23	A/E37T-17 TEST SYSTEM	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.24	A/E37T-26/26A TEST SYSTEM	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.25	A/F32T-6/6A TEST FACILITY	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.26	A/F32T-10 TEST SYSTEM	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.27	A/M37T-23 TEST SYSTEM	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.28	UTTS1-7-1 UNIVERSAL GAS TURBINE TEST STAND (281150-70)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.29	A/E37T-20/20A GAS TURBINE STARTER TEST STAND	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/

## ITSS (MATMEP) 400 DIVISION

DA IQS, (Continued)

DUTY #	DUTY DESCRIPTION	LEVEL I DATE / SIGN	LEVEL II DATE / SIGN	LEVEL III DATE / SIGN	LEVEL IV DATE / SIGN
B.30	F402-RR-406B/408A/408B TURBOFAN ENGINE AND ADAPTER	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.31	F404-GE-400/402 TURBOFAN ENGINE AND ENGINE ADAPTER	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.32	GTC-36-200 AUXILIARY POWER UNIT AND ENGINE ADAPTER	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.33	GTC-85-56 GAS TURBINE COMPRESSOR	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.34	J-52-P-408A/408B TURBOJET ENGINE AND ENGINE ADAPTER	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.35	MK4 GTS AUXILIARY POWER UNIT AND ENGINE ADAPTER	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.36	T-56-A-16 TURBOPROP ENGINE	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/	/
B.37	TEST CELLS	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	/

INDIVIDUAL QUALIFICATION RECORD  
AIRCRAFT POWER PLANT TEST CELL OPERATOR, (MOS 6023)

**A. GENERAL, OPERATING 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	A/S32A-30 tow tractor	NA 19-600-186-6-1		/ /	/ /	
B	TA-75A/B tow tractor	NA 19-600-126-6-1		/ /	/ /	
C	JG-75 tow tractor	NA 19-600-46-6-1		/ /	/ /	
D	NC-8 mobile electric power plant	NA 19-600-94-6-1		/ /	/ /	
E	NC-10A/B/C, mobile electric power plant	NA 19-600-42-6-1		/ /	/ /	
F	AHT-64/AM27T-5 hydraulic test stand	NA 19-600-27-6-1		/ /	/ /	
G	GTC-85 gas turbine compressor	NA 19-600-27-6-1		/ /	/ /	
H	MMG-2 mobile electric power plant	NA 19-600-36-6-1		/ /	/ /	
I	AM42M-2 portable floodlight	NA 19-10-504		/ /	/ /	
J	NAN-1, 2,2A, 3,4 nitrogen service cart	NA 19-600-163-6-1		/ /	/ /	
K	NH-1 nitrogen service cart	NA 19-600-126-6-1		/ /	/ /	
L	65A102J1-1 corrosion control cart	NA 19-600-77-6-1		/ /	/ /	
M	160 DPQ sull-air air compressor	NA 19-600-51-6-1		/ /	/ /	
N	PON-6 pre-oilier	NA 19-600-58-6-1		/ /	/ /	
O	NFT-2 tester	NA 17-15AF-1		/ /	/ /	
P	3000 transport trailer	NA 19-25E-20		/ /	/ /	
Q	4000 transfer trailer	NA 19-25E-13		/ /	/ /	
R	NLT-1 nozzle actuating unit	NA 17-15F-1		/ /	/ /	
S	A/M32M-18 corrosion control cart	NA 19-600-174-6-1		/ /	/ /	
T	MEPP-105A 60KVA mobile electrical power plant	NAVAIR Pub		/ /	/ /	
U	NCPP-105 gas turbine	NA 19-105B-36		/ /	/ /	
V	RCPT-105 gas turbine	NA 19-105B-50		/ /	/ /	
W	De-mineralizer	AG-100VB-OMP-000		/ /	/ /	
X	HSU-1 hydraulic servicing unit	NA 17-15BF-57		/ /	/ /	
Y	Hydraulic contamination analysis kit	NA 17-15E-52		/ /	/ /	
Z	E39/0201 debris tester	A1-F402B-SPM-000		/ /	/ /	
AA	2020 and 1700 vibration analyzer	A1-F402B-SPM-000		/ /	/ /	

**A.2 Demonstrates/applies applicable safety precautions and procedures around the 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 procedures	Marine BST/ Essential Subject book		/ /	* / /	

DA A.2 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A-2	Hazardous material/waste	OPNAVINST 4790.2 OSHA 29 CFR 1910 NA A1-NAOSH-SAF-000/P5100-1 DOD 4140.27-M LCP		/ /	* / /	
A-3	Safety procedures near electricity	OSHA 29 CFR 1910 NA A1-NAOSH-SAF-000/P5100-1 LCP		/ /	* / /	
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 NA A1-NAOSH-SAF-000/P5100-1 LCP	*	/ /	* / /	
A-6	Safety procedures around turning engines	OPNAVINST 5100.23		/ /	* / /	
B	Hydraulic contamination	OPNAVINST 4790.2 NA 01-1A-17LCP		/ /	* / /	
C	Fire safety precaution					
C-1	Fire extinguisher agents	NAVMAT P-5100		/ /	* / /	
C-2	Fire extinguishing equipment	NAVMAT P-5100		/ /	* / /	
C-3	Fire containment	NAVMAT P-5100		/ /	* / /	
C-4	Test cell fire equipment	NAVMAT P-5100		/ /	* / /	
C-5	Fire fighting procedures	OPNAVINST 5100.23		/ /	* / /	
D	Hearing conservation	NA 01-1A-17, LCP		/ /	* / /	

A.3 Demonstrates/applies knowledge of applicable Publications diagrams sketches and drawings.

A	Naval Aviation Maintenance Program (NAMP)	OPNAVINST 4790.2		/ /	/ /	
B	Naval Air Systems Command Technical Manual Program	NA 00-25-100		/ /	/ /	
C	Support Equipment Corrosion Control Manual	NA 17-1-125		/ /	/ /	
D	Preservation of Aircraft Engines	NA 15-02-500		/ /	/ /	
E	Aviation Hydraulics Manual	NA 01-1A-17		/ /	/ /	
F	Occupational Safety & Health Administration Manual	OSHA 29 CFR 1910		/ /	/ /	
G	Safety Requirements for Naval Aviation Shore Activities	NAVAIR A1-NAOSH-SAF-000/P5100-1		/ /	/ /	
H	Aircraft Manuals List	Aircraft Manuals List		/ /	/ /	
I	Support Equipment Manual	NA 00-80T-96		/ /	/ /	
J	Hoist and Sling Manual	NA 17-1-114		/ /	/ /	
K	Individual Components Repair List (ICRL)	NAVAIRINST 4790.8		/ /	/ /	
L	Master Components Repair List (MCRL)	NAVSUP P485		/ /	/ /	
M	WUC Turbofan, Turbojet, Turbo shaft	NA 02-1-8	*	/ /	* / /	
N	WUC Ground Support Equipment	NA 16-1-8.1		/ /	* / /	
O	T-64GE-6B	NA 02B-105AJB-6-1		/ /	* / /	
P	T-64GE-413/415/416	NA 02B-105AJB-6-1		/ /	* / /	

DA A.3 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
Q	T-400-CP-400/T-400-WV-402	NA 02B-20AA-6-1		/ /	* / /	
R	T-58GE-16	NA 02B-105AHE-6-1	*	/ /	* / /	
S	T-700GE-401	A1-T700A-MMI-200		/ /	* / /	
T	T62-11/27	NA 19-105B-39 NA 19-105-41		/ /	* / /	
U	AM37T-18 (V) 3 Test System Manual	NA 17-15AH-26		/ /	* / /	
V	AM37T-17 (V) 2 Test System Manual	NA 17-15AH-23, 23.1, 24		/ /	* / /	
W	A/E37T-24 (V) 4/5 Test System Manual	AG240AC-OMP-000, 100		/ /	* / /	
X	APP Manual			/ /	/ /	
Y	Aviation Tube and Hose Manual	NA 01-1A-17		/ /	/ /	
Z	Structural Hardware	NA 00-1A-8		/ /	/ /	
AA	Aircraft weapons systems cleaning and corrosion control	NA 01-1A-509		/ /	/ /	
BB	C-130 Organizational Level power plants manual	NA 01-75GAA-2-4		/ /	/ /	
CC	54H60-111 propeller	NA 01-75-GAA-2-11		/ /	/ /	
DD	T-56 engine Intermediate Maintenance manual	NA 02B-5DE-6-1		/ /	/ /	
EE	J-52 engine Intermediate Maintenance manual	NA 02B-10DAD-6-1V1		/ /	/ /	
FF	Air turbine starter	NA 03-105AB-34		/ /	/ /	
GG	GTC-85 operating & maintenance instructions	NA 03-105BC-23		/ /	/ /	
HH	Avionic systems cleaning and corrosion control	NA 16-1-540		/ /	/ /	
II	Support equipment tire & wheel maintenance	NA 17-1-129		/ /	/ /	
JJ	JOAP manual	NA 17-15-50.1		/ /	/ /	
KK	UTTS1-7-1 operating & maintenance manual	NA 17-15A-27		/ /	/ /	
LL	A/E37T-14 test stand IPB	NA 17-15A-47		/ /	/ /	
MM	J-52 engine adapter assembly	NA 17-15A-55		/ /	/ /	
NN	A/E37T-14 test stand intermediate maintenance.	NA 17-15A-46		/ /	/ /	
OO	F402 engine adapter assembly	NA 17-15A-46.2		/ /	/ /	
PP	A/F32T-6/6A test facility intermediate maintenance/IPB	NA 17-15A-58		/ /	/ /	
QQ	F404 engine adapter assembly	NA 17-15A-71		/ /	/ /	
RR	A/M37T-23 test stand Intermediate Maintenance/IPB	NA 17-15A-75		/ /	/ /	
SS	A/F32T-10 test facility Intermediate Maintenance/IPB	NA 17-15A-77		/ /	/ /	
TT	A/E37T-17 test stand Intermediate Maintenance/IPB	NA 17-15AH-28 NA 17-15AH-28-1		/ /	/ /	
UU	A/E37T-26 test stand Intermediate Maintenance/IPB	NA 17-15AH-32		/ /	/ /	
VV	Control/indicator adapter ADK-549/E37T-26A	NA 17-15AH-32.2		/ /	/ /	
WW	GTS MKIV (Mark 4) test adapter	NA 17-15AH-32.6		/ /	/ /	
XX	A/E37T-26A test stand Intermediate Maintenance/IPB	NA 17-15AH-39		/ /	/ /	
YY	A/E37T-20/20A test stand Intermediate Maintenance/IPB	NA 17-15BF-68		/ /	/ /	
ZZ	Hydraulic contamination analysis kit inst/IPB	NA 17-15E-52		/ /	/ /	
AAA	F402-RR-406B/408A/408B Intermediate Maintenance	A1-F402A/B-MMI-200		/ /	/ /	
BBB	F404-GE-400/402 Intermediate Maintenance	A1-F404A-MMI-200		/ /	/ /	
CCC	GTC-36-200 Intermediate Maintenance	A1-580AA-MIB-200		/ /	/ /	
DDD	MK4GTC Intermediate Maintenance	A1-580VB-MMI-200		/ /	/ /	
EEE	Aircraft restraint and related equipment	NA 17-1-537		/ /	/ /	

INDIVIDUAL QUALIFICATION RECORD  
AIRCRAFT POWER PLANT TEST CELL OPERATOR (MOS 6023)

**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	A/E-37T-24 (V) 2						
A-1	25 hour inspection	AG-240AA-MRC-100		/ /	*	/ /	
A-2	50 hour inspection	AG-240AA-MRC-100		/ /	*	/ /	
A-3	1000 hour inspection	AG-240AA-MRC-100		/ /	*	/ /	
A-4	91 day inspection	AG-240AA-MRC-100		/ /	*	/ /	
A-5	182 day inspection	AG-240AA-MRC-100		/ /	*	/ /	
A-6	364 day inspection	AG-240AA-MRC-100		/ /	*	/ /	
A-7	728 day inspection	AG-240AA-MRC-100		/ /	*	/ /	
B	A/E-37T-24 (V) 3						
B-1	25 hour inspection	NA 17-600-86-6-2		/ /	*	/ /	
B-2	50 hour inspection	NA 17-600-86-6-2		/ /	*	/ /	
B-3	150 hour inspection	NA 17-600-86-6-2		/ /	*	/ /	
B-4	300 hour inspection	NA 17-600-86-6-2		/ /	*	/ /	
B-5	13 week inspection	NA 17-600-86-6-2		/ /	*	/ /	
B-6	52 week inspection	NA 17-600-86-6-2		/ /	*	/ /	
C	A/E-37T-24 (V) 4 & 5						
C-1	Daily inspection	AG-240AC-MRC-100		/ /	*	/ /	
C-2	30 day inspection	AG-240AC-MRC-100		/ /	*	/ /	
C-3	180 day inspection	AG-240AC-MRC-100		/ /	*	/ /	
C-4	365 day inspection	AG-240AC-MRC-100		/ /	*	/ /	
C-5	10 hour inspection	AG-240AC-MRC-100		/ /	*	/ /	
C-6	50 hour inspection	AG-240AC-MRC-100		/ /	*	/ /	
C-7	500 hour inspection	AG-240AC-MRC-100		/ /	*	/ /	
D	A/E-37T-14						
D-1	Preoperational inspection	NA 17-600-64-6-1		/ /	*	/ /	
D-2	1 week inspection	NA 17-600-64-6-2		/ /	*	/ /	
D-3	2 week inspection	NA 17-600-64-6-2		/ /	*	/ /	
D-4	4 week inspection	NA 17-600-64-6-2		/ /	*	/ /	
D-5	13 week inspection	NA 17-600-64-6-2		/ /	*	/ /	
D-6	26 week inspection	NA 17-600-64-6-2		/ /	*	/ /	
D-7	52 week inspection	NA 17-600-64-6-2		/ /	*	/ /	
D-8	3 year inspection	NA 17-600-64-6-2		/ /	*	/ /	
E	A/E-37T-17 (V) 2						
E-1	Preoperational inspection	NA 17-600-98-6-1		/ /	*	/ /	
E-2	25 hour inspection	NA 17-600-98-6-2 NA 17-600-85-6-2		/ /	*	/ /	
E-3	50 hour inspection	NA 17-600-98-6-2 NA 17-600-85-6-2		/ /	*	/ /	

## ITSS (MATMEP) 400 DIVISION

DA B.1 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
E-4	150 hour inspection	NA 17-600-98-6-2 NA 17-600-85-6-2			/ /	* / /	
E-5	4 week inspection	NA 17-600-98-6-2 NA 17-600-85-6-2			/ /	* / /	
E-6	13 week inspection	NA 17-600-98-6-2 NA 17-600-85-6-2			/ /	* / /	
E-7	52 week inspection	NA 17-600-98-6-2 NA 17-600-85-6-2			/ /	* / /	
F	A/E-37T-26/26A						
F-1	Preoperational inspection	NA 17-600-109-6-1				*	
F-2	6 month inspection	NA 17-600-109-6-2			/ /	* / /	
G	A/F-32T-6/6A						
G-1	Preoperational inspection	NA 17-600-93-6-1			/ /	* / /	
G-2	2 week inspection	NA 17-600-93-6-2			/ /	* / /	
G-3	13 week inspection	NA 17-600-93-6-2			/ /	* / /	
G-4	53 week inspection	NA 17-600-93-6-2			/ /	* / /	
H	A/F-32T-10						
H-1	Preoperational inspection	NA 17-600-146-6-1				*	
H-2	2 week inspection	NA 17-600-146-6-2			/ /	* / /	
H-1	13 week inspection	NA 17-600-146-6-2			/ /	* / /	
H-4	26 week inspection	NA 17-600-146-6-2			/ /	* / /	
H-5	52 week inspection	NA 17-600-146-6-2			/ /	* / /	
I	A/M-37T-23						
I-1	Preoperational inspection	NA 17-600-144-6-1			/ /	* / /	
I-2	2 week inspection	NA 17-600-144-6-2			/ /	* / /	
I-3	4 week inspection	NA 17-600-144-6-2			/ /	* / /	
I-4	13 week inspection	NA 17-600-144-6-2			/ /	* / /	
I-5	26 week inspection	NA 17-600-144-6-2			/ /	* / /	
I-6	52 week inspection	NA 17-600-144-6-2			/ /	* / /	
I-7	3 year inspection	NA 17-600-144-6-2			/ /	* / /	
J	UTTS1-7-1						
J-1	Preoperational inspection	NA 17-600-53-6-1			/ /	* / /	
J-2	4 week inspection	NA 17-600-53-6-2			/ /	* / /	
J-3	26 week inspection	NA 17-600-53-6-2			/ /	* / /	
K	A/E37T-20/20A						
K-1	Preoperational inspection	NA 17-600-54-6-1			/ /	* / /	
K-2	13 week inspection	NA 17-600-54-6-2			/ /	* / /	
K-3	52 week inspection	NA 17-600-54-6-2			/ /	* / /	

B.2 Incorporates applicable Technical Directives changes/bulletins.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Rapid Action Minor Engineering Change (RAMEC) Proposals	NAVAIRINST 5215.10			/ /	/ /	
B	Incorporates Technical Directives changes/bulletins	OPNAVINST 4790.2			/ /	/ /	

B.3 Detects corrosion and performs Corrosion control.

A	Performs corrosion detection/ prevention on equipment using proper material and methods	NA 17-1-125 NA 15-02-500 NA 01-1A-509			/ /	*	/ /
---	---	---	--	--	-----	---	-----

B.4 Operate, troubleshoot and maintain common Precision Measuring Equipment (PME).

A	Digital calculating counter MCC-C-4(N)	NA 17-15CF-154	79PQ100		/ /	/ /	
B	Digital temperature indicator (chromel-alumel)	NA 05-55N-80	79PKC		/ /	/ /	
B-1	Digital temperature indicator (iron-constraintan)	NA 05-55N-80	79PKC		/ /	/ /	
C	Vibration meter 6SE00961-4	NAVAIR NA05055-81	79PNI		/ /	/ /	
D	Variable filter 4SE00444-2	NA 19-1-115	79XAT		/ /	/ /	
E	Thrust measuring system 6SE00737-1	NA 17-15AH-36	79PG1		/ /	/ /	
E-1	Load cells	NA 17-15AH-36	34CA330		/ /	/ /	
F	Fuel flow indicator 6SE00974-1	NA 17-15AH-36	79PW1		/ /	/ /	
G	Position indicator 6ES00973-1	NA 17-15AH-36	79PD1		/ /	/ /	
H	Percent RPM indicator H904-212	NA 17-15AH-36	79PT1		/ /	/ /	
I	Digital pressure monitoring system 5SE01068-1	NA 17-15AC-24	34XRKOO		/ /	/ /	
I-1	Pressure indicators 6SE00950	NA 17-15AC-24			/ /	/ /	
I-2	Pressure transmitters 5SE01313	NA 17-15AC-24	79PL		/ /	/ /	
I-3	Constant temperature oven 6SE01070-1	NA 17-15AC-24			/ /	/ /	
J	Digital angle instrument 5SE00532-1	NA 17-15AC-17	79PDB		/ /	/ /	
K	Analog pressure gauges	NA 17-15CF-152			/ /	/ /	
L	Frequency meter	NAVAIR PUB	79PFO		/ /	/ /	
M	Voltage meter	NAVAIR PUB	79PEO		/ /	/ /	

B.5 Demonstrates/applies knowledge of principles of operation and performs applicable pre-operation procedures on the T64 engine to the A/M-37T-24 (V) 2 test cell system using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Installation & operational procedures	AG-240AA-OMP-000		/ /	/ /	/ /	
A-1	Installation of engine connection components	AG-240AA-OMP-000		/ /	*	/ /	
A-2	Engine Inst. using test trailer crane	AG-240AA-OMP-000		/ /	*	/ /	
A-3	Sump vent piping installation	AG-240AA-OMP-000		/ /	*	/ /	
A-4	Engine test accessories & interconnections	AG-240AA-OMP-000		/ /	*	/ /	
A-5	Hydraulic starter installation	AG-240AA-OMP-000		/ /	*	/ /	
A-6	Fuel, lube, and pressure transmitter hoses installation	AG-240AA-OMP-000		/ /	*	/ /	
A-7	Fuel control linkage installation	AG-240AA-OMP-000		/ /	*	/ /	
A-8	Positioning test trailer	AG-240AA-OMP-000		/ /	*	/ /	
A-9	Control cab checkout	AG-240AA-OMP-000		/ /	*	/ /	
A-10	IGV position transmitter synchronization	AG-240AA-OMP-000		/ /	*	/ /	
A-11	Throttle synchronization	AG-240AA-OMP-000		/ /	*	/ /	
A-12	Throttle system servicing	AG-240AA-OMP-000		/ /	*	/ /	
A-13	Instrument calibration check	AG-240AA-OMP-000		/ /	*	/ /	
A-14	Digital fuel flow/RPM meter Cal	AG-240AA-OMP-000		/ /	*	/ /	
A-15	TQ system calibration	AG-240AA-OMP-000		/ /	*	/ /	

B.6 Demonstrates/applies knowledge of principles of operation of final test and troubleshooting procedures for the T-64 Engine on the A/M37T-24 (V) 2 test system.

A	Principles of operation						
A-1	T-64 engine	NA 02B-105AJB-6-1		/ /	*	/ /	
A-2	Operational limits	NA 02B-105AJB-6-1		/ /	*	/ /	
A-3	Operational limits charts/graphs	NA 02B-105AJB-6-1		/ /	*	/ /	
A-4	Abbreviations	NA 02B-105AJB-6-1		/ /	*	/ /	
A-5	Standard charts/conversion tables	NA 02B-105AJB-6-1		/ /	*	/ /	
A-6	Operating procedures for cold weather conditions	NA 02B-105AJB-6-1		/ /	*	/ /	
A-7	Operating procedures for hot weather/desert conditions	NA 02B-105AJB-6-1		/ /	*	/ /	
A-8	Engine check out, static/pre-start	NA 02B-105AJB-6-1		/ /	*	/ /	
B	Engine testing						
B-1	Motoring check	NA 02B-105AJB-6-1		/ /	*	/ /	
B-2	Start check	NA 02B-105AJB-6-1		/ /	*	/ /	
B-3	Idle check Engine break-in run	NA 02B-105AJB-6-1		/ /	*	/ /	
B-4	Engine break-in run	NA 02B-105AJB-6-1		/ /	*	/ /	
B-5	Variable geometry schedule check	NA 02B-105AJB-6-1		/ /	*	/ /	
B-6	Over-speed check	NA 02B-105AJB-6-1		/ /	*	/ /	
B-7	Vibration check	NA 02B-105AJB-6-1		/ /	*	/ /	

DA B.6 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B-8	Capped sump vent check	NA 02B-105AJB-6-1		/ /	* / /		
B-9	Anti-icing check	NA 02B-105AJB-6-1		/ /	* / /		
B-10	Military (topping) check	NA 02B-105AJB-6-1		/ /	* / /		
B-11	Power transient check	NA 02B-105AJB-6-1		/ /	* / /		
B-12	Performance check	NA 02B-105AJB-6-1		/ /	* / /		
B-13	Engine shutdown procedures	NA 02B-105AJB-6-1		/ /	* / /		
C	Troubleshooting			/ /		/ /	
C-1	Compressor sections	NA 02B-105AJB-6-1		/ /	* / /		
C-2	Combustion section	NA 02B-105AJB-6-1		/ /	* / /		
C-3	Turbine section	NA 02B-105AJB-6-1		/ /	* / /		
C-4	Exhaust section	NA 02B-105AJB-6-1		/ /	* / /		
C-5	Reduction gear section	NA 02B-105AJB-6-1		/ /	* / /		
C-6	Main fuel system	NA 02B-105AJB-6-1		/ /	* / /		
C-7	Lubrication system	NA 02B-105AJB-6-1		/ /	* / /		
C-8	Electrical system	NA 02B-105AJB-6-1		/ /	* / /		
C-9	Ignition system	NA 02B-105AJB-6-1		/ /	* / /		
C-10	Cleaning of compressor for performance recovery	NA 02B-105AJB-6-1		/ /	* / /		

B.7 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the A/M37T-17V2,A/F37T-16V4, A/E37T-24V3 T-400 test cell system using appropriate maintenance procedures and support/test equipment.

A	AM37T-17 (V) 2 engine test system	NA 17-15AH-23/23.1 /24		/ /	* / /		
A-1	General information	NA 17-15AH-23/23.1 /24		/ /	* / /		
A-2	Electrical compartment	NA 17-15AH-23/23.1 /24		/ /	* / /		
A-3	Operator's compartment	NA 17-15AH-23/23.1 /24		/ /	* / /		
A-4	Engine fuel and lube boost system	NA 17-15AH-23/23.1 /24		/ /	* / /		
A-5	Test stand systems	NA 17-15AH-23/23.1 /24		/ /	* / /		
A-6	Power conversion & distribution	NA 17-15AH-23/23.1 /24		/ /	* / /		
A-7	Temperature measuring system	NA 17-15AH-23/23.1 /24		/ /	* / /		
A-8	Lube pressure measuring system	NA 17-15AH-23/23.1 /24		/ /	* / /		
A-9	Speed monitoring system	NA 17-15AH-23/23.1 /24		/ /	* / /		

DA B.7 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A-10	Torque measuring system	NA 17-15AH-23/23.1 /24			/ /	* / /	
A-11	Vibration measuring system	NA 17-15AH-23/23.1 /24			/ /	* / /	
A-12	Hydraulic throttle control system	NA 17-15AH-23/23.1 /24			/ /	* / /	
A-13	Fuel system	NA 17-15AH-23/23.1 /24			/ /	* / /	
A-14	Test stand lubrication system	NA 17-15AH-23/23.1 /24			/ /	* / /	
A-15	Engine starting system	NA 17-15AH-23/23.1 /24			/ /	* / /	
A-16	Special tools/test equipment	NA 17-15AH-23/23.1 /24			/ /	* / /	
A-17	Preparation for use	NA 17-15AH-23/23.1 /24			/ /	* / /	
A-18	Preparation for storage	NA 17-15AH-23/23.1 /24			/ /	* / /	
A-19	Preparation for shipment	NA 17-15AH-23/23.1 /24			/ /	* / /	
A-20	Initial checkout	NA 17-15AH-23/23.1 /24			/ /	* / /	
B	Maintenance Instructions	NA 17-15AH-23/23.1 /24			/ /	* / /	
B-1	Inspection	NA 17-15AH-23/23.1 /24			/ /	* / /	
B-2	Throttle system	NA 17-15AH-23/23.1 /24			/ /	* / /	
B-3	Preventive maintenance	NA 17-15AH-23/23.1 /24			/ /	* / /	
B-4	Lubrication	NA 17-15AH-23/23.1 /24			/ /	* / /	
B-5	Cleaning	NA 17-15AH-23/23.1 /24			/ /	* / /	
B-6	Filters	NA 17-15AH-23/23.1 /24			/ /	* / /	
B-7	Corrosion prevention	NA 17-15AH-23/23.1 /24			/ /	* / /	
B-8	R&R throttle compensator	NA 17-15AH-23/23.1 /24			/ /	* / /	
B-9	Panel instruments removal and installation	NA 17-15AH-23/23.1 /24			/ /	* / /	
B-10	Inverter removal	NA 17-15AH-23/23.1 /24			/ /	* / /	
B-11	Fuel tank & lube boost system	NA 17-15AH-23/23.1 /24			/ /	* / /	

DA B.7 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B-12	Fuel pressure relief valve adjustment	NA 17-15AH-23/23.1 /24			/ /	* / /	
B-13	Hydrometer well removal/repair	NA 17-15AH-23/23.1 /24			/ /	* / /	
B-14	Troubleshooting	NA 17-15AH-23/23.1 /24			/ /	* / /	
B-15	R&R dyno-meter	NA 17-15AH-23/23.1 /24			/ /	* / /	
B-16	Power section interlock system	NA 17-15AH-23/23.1 /24			/ /	* / /	
C	A/E 37T 24(V) 3 T400 Engine test system	AG-241AE-OMP-000			/ /	* / /	
C-1	General description	AG-241AE-OMP-000			/ /	* / /	
C-2	Installation	AG-241AE-OMP-000			/ /	* / /	
C-3	Fan assembly	AG-241AE-OMP-000			/ /	* / /	
C-4	Heat exchanger	AG-241AE-OMP-000			/ /	* / /	
C-5	Oil cooler/transition assembly	AG-241AE-OMP-000			/ /	* / /	
C-6	Pump motor Assembly	AG-241AE-OMP-000			/ /	* / /	
C-7	Principles of operation	AG-241AE-OMP-000			/ /	* / /	
C-8	Preparation for use	AG-241AE-OMP-000			/ /	* / /	
C-9	Preparation for shipment	AG-241AE-OMP-000			/ /	* / /	
C-10	Preparation for test	AG-241AE-OMP-000			/ /	* / /	
C-11	Pre-run check	AG-241AE-OMP-000			/ /	* / /	

B.8 Demonstrates/applies knowledge of principles of operation and performs applicable pre-operation procedures on the T-400 to the A/M-37T-17V2 test cell system using appropriate maintenance procedures and support/test equipment.

A	Installation & operational procedures						
A-1	Preparation of engine	NA 02B-20AA-6-1			/ /	* / /	
A-2	Installation of engine in stand frame	NA 02B-20AA-6-1			/ /	* / /	
A-3	Alignment check of engine & engine stand frame	NA 02B-20AA-6-1			/ /	/ /	
A-4	Test equipment installation & engine to test stand interconnections	NA 02B-20AA-6-1			/ /	* / /	
A-5	Pressure sensing hoses from reduction G/B to junction box	NA 02B-20AA-6-1			/ /	* / /	
A-6	Test equipment on reduction G/B	NA 02B-20AA-6-1			/ /	* / /	
A-7	Engine harnesses installation on reduction G/B test equipment	NA 02B-20AA-6-1			/ /	* / /	
A-8	Exhaust nozzles & harnesses	NA 02B-20AA-6-1			/ /	* / /	
A-9	Test equipment on power sections	NA 02B-20AA-6-1			/ /	* / /	
A-10	Fuel hoses installation on engine	NA 02B-20AA-6-1			/ /	* / /	
A-11	Oil pressure hoses on engine	NA 02B-20AA-6-1			/ /	* / /	
A-12	Engine drain & breather hoses installation	NA 02B-20AA-6-1			/ /	* / /	
A-13	Engine harness installation	NA 02B-20AA-6-1			/ /	* / /	
A-14	Coupling shaft installation	NA 02B-20AA-6-1			/ /	* / /	

DA B.8 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A-15	Test trailer and control trailer interconnections	NA 17-15AH-23 NA 02B-20AA-6-1			/ /	* / /	
A-16	Engine removal from test stand	NA 02B-20AA-6-1			/ /	* / /	
A-17	Preservation of fuel system	NA 02B-20AA-6-1			/ /	* / /	

B.9 Demonstrates/applies knowledge of principles of operation of **final test and troubleshooting** procedures for the T400 engine on the A/M-37T-17V2 test system.

A	Test stand pre-operational check-out and control adjustment	NA 02B-20AA-6-1			/ /	* / /	
A-1	Ground operation instruction	NA 02B-20AA-6-1			/ /	* / /	
A-2	Test schedule	NA 02B-20AA-6-1			/ /	* / /	
A-3	Test procedure	NA 02B-20AA-6-1			/ /	* / /	
A-4	Penalty applications	NA 02B-20AA-6-1			/ /	* / /	
A-5	Operating limits	NA 02B-20AA-6-1			/ /	* / /	
A-6	Pre-run check list	NA 02B-20AA-6-1			/ /	* / /	
A-7	Wet motoring run	NA 02B-20AA-6-1			/ /	* / /	
A-8	Dry motoring run	NA 02B-20AA-6-1			/ /	* / /	
A-9	Power section start	NA 02B-20AA-6-1			/ /	* / /	
A-10	AFCU minimum governing speed adjustment	NA 02B-20AA-6-1			/ /	* / /	
A-11	Shut down check	NA 02B-20AA-6-1			/ /	* / /	
A-12	Power section oil pressure check/adjustment	NA 02B-20AA-6-1			/ /	* / /	
A-13	Reduction gearbox oil pressure check/adjustment	NA 02B-20AA-6-1			/ /	* / /	
A-14	Maximum Ng & manual-automatic interconnect linkage adjustment	NA 02B-20AA-6-1			/ /	* / /	
A-15	Compressor bleed valve Ng closing check	NA 02B-20AA-6-1			/ /	* / /	
A-16	Acceleration check	NA 02B-20AA-6-1			/ /	* / /	
A-17	T-5 trim check	NA 02B-20AA-6-1			/ /	* / /	
A-18	T-5 trim graphs & CFA programmed calculator	NA 02B-20AA-6-1			/ /	* / /	
A-19	Performance check	NA 02B-20AA-6-1			/ /	* / /	
A-20	Performance graphs & CFA programmed calculator	NA 02B-20AA-6-1			/ /	* / /	
B	Troubleshooting procedures on the T-400/402 engines	NA 02B-20AA-6-1			/ /	/ /	
B-1	Compressor stall	NA 02B-20AA-6-1			/ /	* / /	
B-2	Hot start	NA 02B-20AA-6-1			/ /	* / /	
B-3	Uncontrolled acceleration	NA 02B-20AA-6-1			/ /	* / /	
B-4	"Rumble" at high power	NA 02B-20AA-6-1			/ /	* / /	
B-5	Flameout during deceleration	NA 02B-20AA-6-1			/ /	* / /	
B-6	Excessively high vibrations	NA 02B-20AA-6-1			/ /	* / /	
B-7	Fluctuating T-5	NA 02B-20AA-6-1			/ /	* / /	
B-8	No power section oil pressure	NA 02B-20AA-6-1			/ /	* / /	
B-9	Oil transfer power section to gearbox	NA 02B-20AA-6-1			/ /	* / /	
B-10	Low power engine	NA 02B-20AA-6-1			/ /	* / /	

B.10 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the A/E-37T-4V4/T-58 engine test system using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	A/E-37T-24 (V)4 test system						
A-1	General information and leading particulars	AG-240AC-OMP-000		/ /	* / /		
A-2	Preparation for use, storage and shipment	AG-240AC-OMP-000		/ /	* / /		
A-3	Operation instructions	AG-240AC-OMP-000		/ /	* / /		
A-4	Scheduled maintenance	AG-240AC-OMP-000		/ /	* / /		
A-5	Unscheduled maintenance	AG-240AC-OMP-000		/ /	* / /		
A-6	Instrumentation and control cab assembly	AG-240AC-OMP-000		/ /	* / /		
A-7	Fuel and oil system installation	AG-240AC-OMP-000		/ /	* / /		
A-8	T-58 engine test trailer	AG-240AC-OMP-000		/ /	* / /		
A-9	T-58 adapter assembly instrumentation/control cab	AG-240AC-OMP-000		/ /	* / /		
A-10	T-58 test trailer adapter assembly	AG-240AC-OMP-000		/ /	* / /		
B	Maintenance Instructions	AG-240AC-OMP-000		/ /	* / /		
B-1	Fuel and oil system	AG-240AC-OMP-000		/ /	* / /		
B-2	Hydrometer well	AG-240AC-OMP-000		/ /	* / /		
B-3	Containment shield	AG-240AC-OMP-000		/ /	* / /		
B-4	Dynamometer	AG-240AC-OMP-000 AG-502BA-MDB-000		/ /	* / /		
B-5	Engine crane assembly	AG-240AC-OMP-000		/ /	* / /		
B-6	Cable assemblies	AG-240AC-OMP-000		/ /	* / /		
B-7	CDP transducer bracket assembly	AG-240AC-OMP-000		/ /	* / /		
B-8	Engine controls-A cable assembly	AG-240AC-OMP-000		/ /	* / /		
B-9	Pep-engine control assembly	AG-240AC-OMP-000		/ /	* / /		
B-10	Pep-fault lights assembly	AG-240AC-OMP-000		/ /	* / /		
B-11	PMS panel assembly	AG-240AC-OMP-000		/ /	* / /		
B-12	Pressure panel assembly	AG-240AC-OMP-000		/ /	* / /		
B-13	Speed panel assembly	AG-240AC-OMP-000		/ /	* / /		
B-14	T-58 PMS tester cable assembly	AG-240AC-OMP-000		/ /	* / /		
B-15	Digital tach generator	AG-240AC-OMP-000		/ /	* / /		
B-16	Electrical installation	AG-240AC-OMP-000		/ /	* / /		
B-17	Engine lube in & engine lube out metering section assembly	AG-240AC-OMP-000		/ /	* / /		
B-18	Exhaust duct extensions	AG-240AC-OMP-000		/ /	* / /		
B-19	Fwd engine mount	AG-240AC-OMP-000		/ /	* / /		
B-20	Fuel hose assembly	AG-240AC-OMP-000		/ /	* / /		
B-21	Hose assemblies	AG-240AC-OMP-000		/ /	* / /		
B-22	Manual fuel throttle assembly & main throttle actuator assembly	AG-240AC-OMP-000		/ /	* / /		
B-23	Over-speed protection kit	AG-240AC-OMP-000		/ /	* / /		
B-24	Stator vane position indicator assembly	AG-240AC-OMP-000		/ /	* / /		
B-25	TQ tube/sensor & spacer	AG-240AC-OMP-000		/ /	* / /		

DA B.10 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B-26	Transducer support assemblies	AG-240AC-OMP-000		/ /	/ /	*	/ /
B-27	Cabinet #1 assembly	AG-240AC-OMP-000		/ /	/ /	*	/ /
B-28	Cabinet #2 assembly	AG-240AC-OMP-000		/ /	/ /	*	/ /
B-29	Cabinet #3 assembly	AG-240AC-OMP-000		/ /	/ /	*	/ /
B-30	Cabinet #4 assembly	AG-240AC-OMP-000		/ /	/ /	*	/ /

B.11 Demonstrates/applies knowledge of principles of operation and performs applicable pre-operational procedures on the A/E-37T-24V4 test system using appropriate maintenance procedures and support/test equipment.

A	Preparation for test						
A-1	Equipment set up	AG-240AC-OMP-000		/ /	/ /	*	/ /
A-2	PMS tester installation	AG-240AC-OMP-000		/ /	/ /	*	/ /
A-3	TQ tube assembly installation	AG-240AC-OMP-000		/ /	/ /	*	/ /
B	Engine dress & interconnection	AG-240AC-OMP-000		/ /	/ /		
B-1	Digital tach generator & adapter	AG-240AC-OMP-000		/ /	/ /	*	/ /
B-2	Engine control & signal cable assembly	AG-240AC-OMP-000		/ /	/ /	*	/ /
B-3	Engine drain's	AG-240AC-OMP-000		/ /	/ /	*	/ /
B-4	Exhaust extension	AG-240AC-OMP-000		/ /	/ /	*	/ /
B-5	Fuel and lube adapters	AG-240AC-OMP-000		/ /	/ /	*	/ /
B-6	I-C engine temperature cable assembly	AG-240AC-OMP-000		/ /	/ /	*	/ /
B-7	Lube, fuel & pressure hose assembly	AG-240AC-OMP-000		/ /	/ /	*	/ /
B-8	Main throttle actuator assembly	AG-240AC-OMP-000		/ /	/ /	*	/ /
B-9	Manual fuel throttle assembly	AG-240AC-OMP-000		/ /	/ /	*	/ /
B-10	Power management system interconnection	AG-240AC-OMP-000		/ /	/ /	*	/ /
B-11	P 3 over speed system	AG-240AC-OMP-000		/ /	/ /	*	/ /
B-12	Starter cable assembly	AG-240AC-OMP-000		/ /	/ /	*	/ /
B-13	Starter fairing & inlet duct assembly	AG-240AC-OMP-000		/ /	/ /	*	/ /
B-14	Stator vane position transmitter	AG-240AC-OMP-000		/ /	/ /	*	/ /
B-15	Vibration transducer & support assembly	AG-240AC-OMP-000		/ /	/ /	*	/ /
C	Engine installation	AG-240AC-OMP-000		/ /	/ /		
C-1	Crane operation	AG-240AC-OMP-000		/ /	/ /	*	/ /
C-2	Engine transfer	AG-240AC-OMP-000		/ /	/ /	*	/ /
C-3	Engine removal	AG-240AC-OMP-000		/ /	/ /	*	/ /

B.12 Demonstrates/applies knowledge of principles of operation of final test and troubleshooting procedures for the T-58 engine on the A/M-37T-24V4 test system.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Preoperational procedures for the A/E-37T-24 (V) 4 engine test system						
A-1	Pre-operational check	AG-240AC-MRC-000		/ /	* / /		
A-2	Setting stator vane position	AG-240AC-MRC-000		/ /	* / /		
A-3	Pre-set and check instrumentation and calibration	AG-240AC-MRC-000		/ /	* / /		
A-4	Engine operating limits	NA 02B-105AHE-6-1		/ /	* / /		
A-5	Symbols & abbreviations	NA 02B-105AHE-6-1		/ /	* / /		
B	Engine testing						
B-1	Functional checks	NA 02B-105AHE-6-1		/ /	* / /		
B-2	Static checkout	NA 02B-105AHE-6-1		/ /	* / /		
B-3	Pre-start check	NA 02B-105AHE-6-1		/ /	* / /		
B-4	Start check	NA 02B-105AHE-6-1		/ /	* / /		
B-5	Idle check	NA 02B-105AHE-6-1		/ /	* / /		
B-6	Vibration check	NA 02B-105AHE-6-1		/ /	* / /		
B-7	PMS checks	NA 02B-105AHE-6-1		/ /	* / /		
B-8	NF over speed system check	NA 02B-105AHE-6-1		/ /	* / /		
B-9	Load share check	NA 02B-105AHE-6-1		/ /	* / /		
B-10	Collective pitch anticipation check	NA 02B-105AHE-6-1		/ /	* / /		
B-11	Fuel control torque motor check	NA 02B-105AHE-6-1		/ /	* / /		
B-12	Fuel control feedback output check	NA 02B-105AHE-6-1		/ /	* / /		
B-13	Alternator output check	NA 02B-105AHE-6-1		/ /	* / /		
B-14	Amplifier load share potentiometer check	NA 02B-105AHE-6-1		/ /	* / /		
B-15	Variable Geometry (VG) schedule check	NA 02B-105AHE-6-1		/ /	* / /		
B-16	Anti-icing operational check	NA 02B-105AHE-6-1		/ /	* / /		
B-17	One-point tuning check	NA 02B-105AHE-6-1		/ /	* / /		
B-18	Stall margin check	NA 02B-105AHE-6-1		/ /	* / /		
B-19	Topping check	NA 02B-105AHE-6-1		/ /	* / /		
B-20	T-5 limiting check	NA 02B-105AHE-6-1		/ /	* / /		
B-21	Amplifier isochronous NF governing check	NA 02B-105AHE-6-1		/ /	* / /		
B-22	Fuel control NF governing check	NA 02B-105AHE-6-1		/ /	* / /		
B-23	Acceleration check	NA 02B-105AHE-6-1		/ /	* / /		
B-24	Transient operation check	NA 02B-105AHE-6-1		/ /	* / /		
B-25	Manual control lever check	NA 02B-105AHE-6-1		/ /	* / /		
B-26	Fuel pressure check	NA 02B-105AHE-6-1		/ /	* / /		
B-27	Minimum performance check	NA 02B-105AHE-6-1		/ /	* / /		
B-28	Shut down check	NA 02B-105AHE-6-1		/ /	* / /		
C	Engine adjustments						
C-1	Tuning adjustment	NA 02B-105AHE-6-1		/ /	* / /		
C-2	Topping adjustment	NA 02B-105AHE-6-1		/ /	* / /		
C-3	Idle speed adjustment	NA 02B-105AHE-6-1		/ /	* / /		
C-4	Fuel type adjustment	NA 02B-105AHE-6-1		/ /	* / /		
C-5	Throttle valve adjustment	NA 02B-105AHE-6-1		/ /	* / /		

DA B.12 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C-6	T-5 limiting adjustment	NA 02B-105AHE-6-1		/ /	* / /		
C-7	NF governing adjustment	NA 02B-105AHE-6-1		/ /	* / /		
C-8	Load share adjustment	NA 02B-105AHE-6-1		/ /	* / /		
C-9	NG conversion chart	NA 02B-105AHE-6-1		/ /	* / /		
C-10	NF conversion chart	NA 02B-105AHE-6-1		/ /	* / /		
C-11	Temperature conversion chart	NA 02B-105AHE-6-1		/ /	* / /		
D	Troubleshooting						
D-1	Failure to light off	NA 02B-105AHE-6-1		/ /	* / /		
D-2	High T-5 during start	NA 02B-105AHE-6-1		/ /	* / /		
D-3	Slow or no acceleration above idle	NA 02B-105AHE-6-1		/ /	* / /		
D-4	Compressor stalls	NA 02B-105AHE-6-1		/ /	* / /		
D-5	Unstable engine operation	NA 02B-105AHE-6-1		/ /	* / /		
D-6	Abnormal T-5	NA 02B-105AHE-6-1		/ /	* / /		
D-7	Abnormal gas generator speeds	NA 02B-105AHE-6-1		/ /	* / /		
D-8	Abnormal power turbine speeds	NA 02B-105AHE-6-1		/ /	* / /		
D-9	Excessive vibration	NA 02B-105AHE-6-1		/ /	* / /		
D-10	Lubrication system problems	NA 02B-105AHE-6-1		/ /	* / /		
D-11	Fuel systems problems	NA 02B-105AHE-6-1		/ /	* / /		
D-12	Excessive air leakage	NA 02B-105AHE-6-1		/ /	* / /		
D-13	Abnormal NG coast down	NA 02B-105AHE-6-1		/ /	* / /		
D-14	Abnormal NF coast down	NA 02B-105AHE-6-1		/ /	* / /		
D-15	Fuel control discharge pressure & minimum WF check	NA 02B-105AHE-6-1			/ /	* / /	
D-16	PMS troubleshooting	NA 02B-105AHE-6-1			/ /	* / /	

B.13 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the A/E-37T-24V5/T-700 test system using appropriate maintenance procedures and support/test equipment.

A	A/E-37T-24 (V) 5						
A-1	General information and leading particulars	AG-240AC-OMP-000 AG-240AC-OMP-100		/ /	* / /		
A-2	Preparation for use, storage and shipment	AG-240AC-OMP-100		/ /	* / /		
A-3	Operation instructions	AG-240AC-OMP-100		/ /	* / /		
A-4	Scheduled maintenance	AG-240AC-OMP-100		/ /	* / /		
A-5	Unscheduled maintenance	AG-240AC-OMP-100		/ /	* / /		
A-6	Instrumentation and control cab assembly	AG-240AC-OMP-100		/ /	* / /		
A-7	Fuel and oil system installation	AG-240AC-OMP-100		/ /	* / /		
A-8	T-700 engine test trailer	AG-240AC-OMP-100		/ /	* / /		
A-9	T-700 adapter assembly instrumentation & control cab	AG-240AC-OMP-100		/ /	* / /		
A-10	T-700 test trailer adapter assembly	AG-240AC-OMP-100		/ /	* / /		

DA B.13 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B	Maintenance Instructions						
B-1	Fuel and oil system	AG-240AC-OMP-100		/ /	* / /		
B-2	Dynameters	AG-240AC-OMP-100		/ /	* / /		
B-3	Engine crane assembly	AG-240AC-OMP-100		/ /	* / /		
B-4	Cable assembly	AG-240AC-OMP-100		/ /	* / /		
B-5	Engine control panel assembly	AG-240AC-OMP-100		/ /	* / /		
B-6	Speed panel assembly	AG-240AC-OMP-100		/ /	* / /		
B-7	Vertical scale indicators	AG-240AC-OMP-100		/ /	* / /		
B-8	Fault light panel assembly	AG-240AC-OMP-100		/ /	* / /		
B-9	Engine test trailer adapter assembly	AG-240AC-OMP-100		/ /	* / /		
B-10	Preparation for use	AG-240AC-OMP-100		/ /	* / /		
B-11	Preparation for shipment	AG-240AC-OMP-100		/ /	* / /		
B-12	Preparation for storage	AG-240AC-OMP-100		/ /	* / /		
B-13	Air starter tube assembly	AG-240AC-OMP-100		/ /	* / /		
B-14	T-700 aft mount assembly	AG-240AC-OMP-100		/ /	* / /		
B-15	LDS & PAS throttle assembly	AG-240AC-OMP-100		/ /	* / /		
B-16	Air inlet baffle assembly	AG-240AC-OMP-100		/ /	* / /		
B-17	Charge amplifier assembly	AG-240AC-OMP-100		/ /	* / /		
B-18	T-700 junction box	AG-240AC-OMP-100		/ /	* / /		
B-19	Skid and tank assembly	AG-240AC-OMP-100		/ /	* / /		
C	Troubleshooting						
C-1	Power supply	AG-240AC-OMP-100		/ /	* / /		
C-2	Temperature measurement system	AG-240AC-OMP-100		/ /	* / /		
C-3	Fuel measurement system	AG-240AC-OMP-100		/ /	* / /		
C-4	Vibration measurement system	AG-240AC-OMP-100		/ /	* / /		
C-5	RPM, torque, & horsepower measurement system	AG-240AC-OMP-100		/ /	* / /		
C-6	Position measurement system	AG-240AC-OMP-100		/ /	* / /		
C-7	Fuel and oil system	AG-240AC-OMP-100		/ /	* / /		

B.14 Demonstrates/applies knowledge of principles of operation and performs applicable pre-operational procedures on the T-700 engine on the A/E-37T-24V5 test system.

A	Preparation for test						
A-1	Equipment set up	AG-240AC-OMP-000		/ /	* / /		
A-2	Junction box set up	AG-240AC-OMP-000		/ /	* / /		
A-3	Torque tube installation	AG-240AC-OMP-000		/ /	* / /		
A-4	Engine installation			/ /	* / /		
A-5	Crane operation			/ /	* / /		
A-6	Engine transfer			/ /	* / /		
A-7	Required support equipment	AG-240AC-OMP-000 A1-T700A-MMI-200		/ /	* / /		

DA B.14 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B	Removal and Installation of engine dress gear	AG-240AC-OMP-000 A1-T700A-MMI-200					
B-1	Overboard drain hoses	AG-240AC-OMP-000 A1-T700A-MMI-200			/ /	* / /	
B-2	Oil pressure adapter and B-sump pressure/temperature adapter	AG-240AC-OMP-000 A1-T700A-MMI-200			/ /	* / /	
B-3	PAS & LDS position indicators	AG-240AC-OMP-000 A1-T700A-MMI-200			/ /	* / /	
B-4	Rigging of PAS lever and LDS lever	AG-240AC-OMP-000			/ /	* / /	
B-5	Accelerometers and brackets	AG-240AC-OMP-000			/ /	* / /	
B-6	Exhaust inner body & de-swirler/ diffuser	AG-240AC-OMP-000			/ /	* / /	
B-7	Inlet screen, plenum assembly & torque shaft	AG-240AC-OMP-000			/ /	* / /	
B-8	Air starter installation	AG-240AC-OMP-000			/ /	* / /	
B-9	Bleed air covers	AG-240AC-OMP-000			/ /	* / /	
B-10	Stage 1 vane angle transmitter	AG-240AC-OMP-000			/ /	* / /	

B.15 Demonstrates/applies knowledge of principles of operation of final test and troubleshooting procedures for the T-700 engine on the A/M-37T-24V5 test system.

A	Preoperational procedures for the A/E37T-24 (V) 5 engine test system	AG-240AC-OMP-000			/ /	* / /	
A-1	Preoperational check	AG-240AC-OMP-000			/ /	* / /	
A-2	Guide vane position	AG-240AC-OMP-000			/ /	* / /	
A-3	Calibration of vibration amplifiers & indicator modules	AG-240AC-OMP-000			/ /	* / /	
A-4	Preset calculating counter	AG-240AC-OMP-000			/ /	* / /	
A-5	Preset TQ & HP indicator	AG-240AC-OMP-000			/ /	* / /	
A-6	Set vertical scale indicators	AG-240AC-OMP-000			/ /	* / /	
A-7	Preset dynamometer limit control panel	AG-240AC-OMP-000			/ /	* / /	
B	Pre-run checks				/ /		
B-1	FOD checks	AG-240AC-OMP-000 A1-T700A-MMI-200			/ /	* / /	
B-2	Equipment tightness/security	AG-240AC-OMP-000 A1-T700A-MMI-200			/ /	* / /	
B-3	Fire extinguishing procedure	AG-240AC-OMP-000 A1-T700A-MMI-200			/ /	* / /	

DA B.15 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C	Engine testing procedures						
C-1	Required materials	AG-240AC-OMP-000 A1-T700A-MMI-200		/ /	*	/ /	
C-2	Preliminary instructions	A1-T700A-MMI-200		/ /	*	/ /	
C-3	Warnings and cautions	A1-T700A-MMI-200		/ /	*	/ /	
C-4	Emergency and normal shutdown procedures	A1-T700A-MMI-200		/ /	*	/ /	
C-5	Engine operating limits	A1-T700A-MMI-200		/ /	*	/ /	
C-6	Engine checks or test required after replacement of parts	A1-T700A-MMI-200		/ /	*	/ /	
C-7	Engine fuel system priming	A1-T700A-MMI-200		/ /	*	/ /	
C-8	Engine rollover (dry motor)	A1-T700A-MMI-200		/ /	*	/ /	
C-9	Fuel system check	A1-T700A-MMI-200		/ /	*	/ /	
C-10	Engine start	A1-T700A-MMI-200		/ /	*	/ /	
C-11	Idle speed leak check	A1-T700A-MMI-200		/ /	*	/ /	
C-12	Idle speed check	A1-T700A-MMI-200		/ /	*	/ /	
C-13	Contingency power circuit check	A1-T700A-MMI-200		/ /	*	/ /	
C-14	Break-in run	A1-T700A-MMI-200		/ /	*	/ /	
C-15	Np over speed check	A1-T700A-MMI-200		/ /	*	/ /	
C-16	Mechanical check	A1-T700A-MMI-200		/ /	*	/ /	
C-17	Np governing check	A1-T700A-MMI-200		/ /	*	/ /	
C-18	TGT limiter setting check	A1-T700A-MMI-200		/ /	*	/ /	
C-19	Contingency power check	A1-T700A-MMI-200		/ /	*	/ /	
C-20	Torque matching check	A1-T700A-MMI-200		/ /	*	/ /	
C-21	Transient droop check	A1-T700A-MMI-200		/ /	*	/ /	
C-22	ECU/DEC lockout	A1-T700A-MMI-200		/ /	*	/ /	
C-23	TQ repeatability check	A1-T700A-MMI-200		/ /	*	/ /	
C-24	Anti-icing bleed and start valve check	A1-T700A-MMI-200		/ /	*	/ /	
C-25	Hot start check	A1-T700A-MMI-200		/ /	*	/ /	
C-26	Performance evaluation	A1-T700A-MMI-200		/ /	*	/ /	
C-27	Performance calculations	A1-T700A-MMI-200		/ /	*	/ /	
C-28	History recorder/counter check	A1-T700A-MMI-200		/ /	*	/ /	
C-29	Post-engine test oil leakage check	A1-T700A-MMI-200		/ /	*	/ /	
C-30	Post-engine test requirements	A1-T700A-MMI-200		/ /	*	/ /	
C-31	Engine preservation	A1-T700A-MMI-200		/ /	*	/ /	
C-32	Special instructions	A1-T700A-MMI-200		/ /	*	/ /	
D	Engine troubleshooting						
D-1	Anti-icing system	A1-T700A-MMI-200		/ /	*	/ /	
D-2	Gas generator speed	A1-T700A-MMI-200		/ /	*	/ /	
D-3	Power turbine speed	A1-T700A-MMI-200		/ /	*	/ /	
D-4	Stalls	A1-T700A-MMI-200		/ /	*	/ /	
D-5	Starting	A1-T700A-MMI-200		/ /	*	/ /	

DA B.15 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-6	TGT	A1-T700A-MMI-200		/ /	*	/ /	
D-7	Fuel system	A1-T700A-MMI-200		/ /	*	/ /	
D-8	Oil system	A1-T700A-MMI-200		/ /	*	/ /	
D-9	Low engine performance	A1-T700A-MMI-200		/ /	*	/ /	

B.16 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the A/E-37T-26A engine test system using appropriate maintenance procedures and support/test equipment.

A	This information will be provided at a later date due to the rewrite of the technical manuals at NAEC.						
---	--	--	--	--	--	--	--

B.17 Demonstrates/applies knowledge of principles of operation and performs applicable pre-operation procedures on the T62-11 engine to the A/E-37T-26A test system using appropriate maintenance procedures and support/test equipment.

A	This information will be provided at a later date due to the rewrite of the technical manuals at NAEC.						
---	--	--	--	--	--	--	--

B.18 Demonstrates/applies knowledge of principles of operation of final test and troubleshooting procedures for the T62-11 engine on the A/M-37T-2A test system using appropriate maintenance procedures and support/test equipment.

A	This information will be provided at a later date due to the rewrite of the technical manuals at NAEC.						
---	--	--	--	--	--	--	--

B.19 Demonstrates/applies knowledge of principles of operation and performs applicable pre-operation procedures on the T62-27 engine to the A/E-37T-2A test system using appropriate maintenance procedures and support/test equipment.

A	This information will be provided at a later date due to the rewrite of the technical manuals at NAEC.						
---	--	--	--	--	--	--	--

B.20 Demonstrates/applies knowledge of principles of operation of final test and troubleshooting procedures for the T62-27 engine on the A/M-37T-2A test system using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	This information will be provided at a later date due to the rewrite of the technical manuals at NAEC.						

B.21 Demonstrates/applies knowledge of the principles of operation and performs applicable intermediate level maintenance on the A/M-37T-24  
(V) 2 Engine test stand using appropriate maintenance procedures and support/test equipment.

A	AM37T-24 (V) 2 engine test system						
A-1	Purpose of test system	AG-240AA-OMP-000		/ /	*	/ /	
A-2	Description, physical & functional	AG-240AA-OMP-000		/ /	*	/ /	
A-3	Engine test trailer	AG-240AA-OMP-000		/ /	*	/ /	
A-4	Dynamometer installation	AG-240AA-OMP-000		/ /	*	/ /	
A-5	Electrical installation	AG-240AA-OMP-000		/ /	*	/ /	
A-6	Lube system installation	AG-240AA-OMP-000		/ /	*	/ /	
A-7	Chassis assembly	AG-240AA-OMP-000		/ /	*	/ /	
A-8	T-64 engine mounts & accessories	AG-240AA-OMP-000		/ /	*	/ /	
A-9	Control & service trailer	AG-240AA-OMP-000		/ /	*	/ /	
A-10	Control cab	AG-240AA-OMP-000		/ /	*	/ /	
A-11	Interconnecting hoses, cables & accessories	AG-240AA-OMP-000		/ /	*	/ /	
A-12	Principles of operation	AG-240AA-OMP-000		/ /	*	/ /	
A-13	Power & control	AG-240AA-OMP-000		/ /	*	/ /	
A-14	Power supply	AG-240AA-OMP-000		/ /	*	/ /	
A-15	Control	AG-240AA-OMP-000		/ /	*	/ /	
A-16	Control and signal	AG-240AA-OMP-000		/ /	*	/ /	
A-17	Air conditioner/heat pump	AG-240AA-OMP-000		/ /	*	/ /	
A-18	Leading particulars	AG-240AA-OMP-000		/ /	*	/ /	
A-19	Special tools & equipment	AG-240AA-OMP-000		/ /	*	/ /	
B	Preparation for use, storage, and shipment	AG-240AA-OMP-000		/ /	/ /		
B-1	Preparation for use	AG-240AA-OMP-000		/ /	*	/ /	
B-2	Unpacking	AG-240AA-OMP-000		/ /	*	/ /	
B-3	Test site requirements	AG-240AA-OMP-000		/ /	*	/ /	
B-4	Initial connections/adjustments	AG-240AA-OMP-000		/ /	*	/ /	
B-5	Preparation for use for storage & corrosion prevention	AG-240AA-OMP-000		/ /	*	/ /	
B-6	Short time storage	AG-240AA-OMP-000		/ /	*	/ /	
B-7	Prolonged storage	AG-240AA-OMP-000		/ /	*	/ /	
B-8	Extreme weather storage	AG-240AA-OMP-000		/ /	*	/ /	
B-9	Preparation for shipment	AG-240AA-OMP-000		/ /	*	/ /	
B-10	Lifting the test system	AG-240AA-OMP-000		/ /	*	/ /	
C	Maintenance & cleaning	AG-240AA-OMP-000		/ /	*	/ /	
C-1	Corrosion control	AG-240AA-OMP-000		/ /	*	/ /	
C-2	Dyno water wash procedures	AG-240AA-OMP-000		/ /	*	/ /	

DA B.21 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C-3	Engine crane & trailer lifting sling proof testing	AG-240AA-OMP-000		/ /	* / /		
C-4	Heat exchanger removal	AG-240AA-OMP-000		/ /	* / /		
C-5	Engine crane servicing	AG-240AA-OMP-000		/ /	* / /		
C-6	Engine lube filter cleaning	AG-240AA-OMP-000		/ /	* / /		
C-7	Differential pressure switch adjustment	AG-240AA-OMP-000		/ /	* / /		
C-8	Dyno lube boost relief valve adjustment	AG-240AA-OMP-000		/ /	* / /		
C-9	Hydraulic start accumulator charging	AG-240AA-OMP-000		/ /	* / /		
C-10	Dyno lube system cleaning	AG-240AA-OMP-000		/ /	* / /		
C-11	Fuel boost pump and motor replacement	AG-240AA-OMP-000		/ /	* / /		
C-12	Fuel boost system adjustment	AG-240AA-OMP-000		/ /	* / /		
C-13	Troubleshooting system	AG-240AA-OMP-000		/ /	* / /		
C-14	Wiring and schematic diagrams	AG-240AA-OMP-000		/ /	* / /		
C-15	Calibration	AG-240AA-OMP-000		/ /	* / /		
C-16	Illustrated parts breakdown familiarization	AG-240AA-OMP-000		/ /	* / /		

B.22 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the A/E37T-14 test system using appropriate maintenance procedures and support/test equipment.

A	Principles of operation	NA 17-15A-46 NA 17-15A-47	34CA0		/ /	* / /	
B		NA 17-15A-46/47	34CA100		/ /	INS	/ /
B-1	I/C cab cables/wiring	NA 17-15A-46 NA 17-15A-47	34CA2A0		/ /	/	/
B-2	Common PME, as applicable	DA B.11			/ /	* / /	
B-3	I/C cab cables/wiring	NA 17-15A-46 NA 17-15A-47	34CA2A0		/ /	* / /	
B-4	Common PME, as applicable		34CA120		/ /	* / /	
B-5	Facilities monitor panel	NA 17-15A-46 NA 17-15A-47			/ /	/	/
B-5.1	Water system control panel	NA 17-15A-46 NA 17-15A-47			/ /	/	/
B-6	Enunciator panel assembly	NA 17-15A-46 NA 17-15A-47			/ /	* / /	
B-7	Indicator panel assembly	NA 17-15A-46 NA 17-15A-47			/ /	* / /	
B-8	Frequency converter	NA 17-15A-46 NA 17-15A-47	34CAJ		/ /	/	/
B-9	Transformer/rectifier	NA 17-15A-46 NA 17-15A-47			/ /	/	/
B-10	Overhead panel assembly	NA 17-15A-46 NA 17-15A-47			/ /	/	/

## ITSS (MATMEP) 400 DIVISION

DA B.22 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C	Fuel system	NA 17-15A-46 NA 17-15A-47	34CA200		/ /	* / /	
C-1	Fuel tank assembly	NA 17-15A-46 NA 17-15A-47	34CA240		/ /	/ /	
C-2	Fuel pump & filter/separator	NA 17-15A-46 NA 17-15A-47	34CA210		/ /	* / /	
C-2.1	Fuel pump assembly	NA 17-15A-46 NA 17-15A-47			/ /	/ /	
C-2.2	Fuel filter/separator	NA 17-15A-46 NA 17-15A-47			/ /	/ /	
C-2.3	Piping system	NA 17-15A-46 NA 17-15A-47	34CA280		/ /	/ /	
C-2.4	Electrical installation	NA 17-15A-46 NA 17-15A-47			/ /	/ /	
C-3	Fuel metering & regulation assy	NA 17-15A-46 NA 17-15A-47	34CA220		/ /	* / /	
C-3.1	Fuel piping	NA 17-15A-46 NA 17-15A-47	34CA280		/ /	/ /	
C-3.2	Electrical system	NA 17-15A-46 NA 17-15A-47			/ /	/ /	
C-4	Electrical distribution box assy	NA 17-15A-46 NA 17-15A-47	34CA230		/ /	* / /	
D	Engine run-up trailer assembly	NA 17-15A-46 NA 17-15A-47	34CA300		/ /	* / /	
D-1	Single point restraint system	NA 17-15A-46 NA 17-15A-47	34CA340		/ /	/ /	
D-2	Dual point restraint system	NA 17-15A-46 NA 17-15A-47	34CA340		/ /	/ /	
D-3	Deck fitting assembly	NA 17-15A-46 NA 17-15A-47			/ /	* / /	
D-4	Load cell	NA 17-15A-46 NA 17-15A-47	34CA330		/ /	* / /	
E	Disconnect box assembly	NA 17-15A-46 NA 17-15A-47			/ /	* / /	
E-1	Electrical disconnect box	NA 17-15A-46 NA 17-15A-47	34CAF		/ /	* / /	
E-1.1	Harness assembly	NA 17-15A-46 NA 17-15A-47			/ /	/ /	
E-2	Mechanical disconnect box	NA 17-15A-46 NA 17-15A-47	34CAE		/ /	* / /	
E-2.1	Pressure monitoring system	NA 17-15A-46 NA 17-15A-47			/ /	* / /	
E-2.2	Harness assembly	NA 17-15A-46 NA 17-15A-47			/ /	/ /	

DA B.22 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
E-3	Power disconnect box	NA 17-15A-46 NA 17-15A-47	34CAG		/ /	* / /	
F	Air compressor assembly	NA 17-15A-46 NA 17-15A-47	34CAH		/ /	* / /	

B.23 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the A/E37T-17 test system using appropriate maintenance procedures and support/test equipment.

A	Principles of operations	NA 17-15AH-28 NA 17-15AH-28-1	34BUO		/ /	* / /	
B	Instrument/control cab	NA 17-15AH-28 NA 17-15AH-28-1	34BU100		/ /	* / /	
B-1	I/C cables/wiring	NA 17-15AH-28 NA 17-15AH-28-1	34BUK1		/ /	/ /	
B-2	Transformer/rectifier	NA 17-15AH-28 NA 17-15AH-28-1	79SB1		/ /	/ /	
B-3	Torque meter	NA 17-15AH-28 NA 17-15AH-28-1	34BUIBI		/ /	* / /	
B-4	Torque meter run out test set	NA 17-15AH-28 NA 17-15AH-28-1			/ /	/ /	
B-5	T-56 engine instrument panel	NA 17-15AH-28 NA 17-15AH-28-1			/ /	* / /	
B-6	Peculiar engine panel	NA 17-15AH-28 NA 17-15AH-28-1	34BUK20		/ /	* / /	
C	Engine test stand	NA 17-15AH-28 NA 17-15AH-28-1	34BU200		/ /	* / /	
C-1	Hold down/restraint gear	NA 17-15AH-28 NA 17-15AH-28-1	34BULBO		/ /	* / /	
C-2	Junction box assembly	NA 17-15AH-28 NA 17-15AH-28-1	34BUK30		/ /	* / /	
C-3	Hoses/cables/wiring	NA 17-15AH-28 NA 17-15AH-28-1	34BUA20		/ /	* / /	
C-4	Power lever control	NA 17-15AH-28 NA 17-15AH-28-1	34BUK50		/ /	* / /	
C-5	Emergency condition lever	NA 17-15AH-28 NA 17-15AH-28-1	34BUK60		/ /	* / /	
C-6	Pressure measuring box	NA 17-15AH-28 NA 17-15AH-28-1	34BU240		/ /	* / /	
C-7	Fire extinguishing system	NA 17-15AH-28 NA 17-15AH-28-1	34BUL80		/ /	* / /	

DA B.23 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C-8	Preservation system	NA 17-15AH-28 NA 17-15AH-28-1	34BULGO		/ /	* / /	
C-9	Control gearbox	NA 17-15AH-28 NA 17-15AH-28-1	34BUK62		/ /	* / /	
C-10	Synchro transmitter assembly	NA 17-15AH-28 NA 17-15AH-28-1	34BUK53		/ /	* / /	
C-11	Overboard drain adapter	NA 17-15AH-28 NA 17-15AH-28-1	34BULCO		/ /	* / /	
C-12	Engine support assembly	NA 17-15AH-28 NA 17-15AH-28-1	34BUL20		/ /	* / /	
D	Fuel system	NA 17-15AH-28 NA 17-15AH-28-1	34BUA00		/ /	* / /	
D-1	Fuel tank/skid assembly	NA 17-15AH-28 NA 17-15AH-28-1	34BUA11		/ /	* / /	
D-2	Fuel pump assembly	NA 17-15AH-28 NA 17-15AH-28-1	34BUA12		/ /	* / /	
D-3	Fuel filter/separator	NA 17-15AH-28 NA 17-15AH-28-1	34BUA13		/ /	* / /	
D-4	Fuel system hoses/cables/wiring	NA 17-15AH-28 NA 17-15AH-28-1	34BUA20		/ /	* / /	
D-5	Fuel quantity transmitter	NA 17-15AH-28 NA 17-15AH-28-1			/ /	* / /	

B.24 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the A/E37T-26/26A test system using appropriate maintenance procedures and support/test equipment.

A	Principles of operation	NA 17-15AH-32 NA 17-15AH-39	34AAO		/ /	* / /	
B	Instrument/control room	NA 17-15AH-32 NA 17-15AH-39	34AA100		/ /	* / /	
B-1	I/C room cables/wiring	NA 17-15AH-32 NA 17-15AH-39	34AA112		/ /	* / /	
B-2	Digital temperature indicator	NA 17-15AH-32 NA 17-15AH-39	79PKL		/ /	* / /	
B-3	Frequency panel BH18084	NA 17-15AH-32 NA 17-15AH-39	79PF3		/ /	* / /	
B-4	Computer assembly	NA 17-15AH-32 NA 17-15AH-39	34AA121		/ /	/ /	
B-5	DC power supply 6434B	NA 17-15AH-32 NA 17-15AH-39	79SAK		/ /	* / /	
B-6	Enunciator panel	NA 17-15AH-32 NA 17-15AH-39	34AA131		/ /	* / /	
B-7	Engine instrument panel	NA 17-15AH-32 NA 17-15AH-39	34AA230		/ /	* / /	

## ITSS (MATMEP) 400 DIVISION

DA B.24 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
C	Engine test room	NA 17-15AH-32 NA 17-15AH-39	34AA200		/ /	* / /	
C-1	Hydraulic module	NA 17-15AH-32 NA 17-15AH-39	34AA800		/ /	* / /	
C-1.1	Hydraulic pump assembly	NA 17-15AH-32 NA 17-15AH-39			/ /	* / /	
C-1.2	Hydraulic filters	NA 17-15AH-32 NA 17-15AH-39			/ /	* / /	
C-1.3	Accumulator	NA 17-15AH-32 NA 17-15AH-39			/ /	* / /	
C-1.4	Solenoid/relief valves	NA 17-15AH-32 NA 17-15AH-39			/ /	* / /	
C-1.5	Hoses/cables/wiring	NA 17-15AH-32 NA 17-15AH-39	34AA240		/ /	* / /	
C-2	Tie down arrangement	NA 17-15AH-32 NA 17-15AH-39	34AA220		/ /	* / /	
C-3	Bleed air ducts	NA 17-15AH-32 NA 17-15AH-39	34AA250		/ /	* / /	
C-4	Fire extinguishing system	NA 17-15AH-32 NA 17-15AH-39	34AA400		/ /	* / /	
C-5	Disconnect box assembly	NA 17-15AH-32 NA 17-15AH-39	34AA220		/ /	* / /	
C-6	Engine room cables/hoses/wiring	NA 17-15AH-32 NA 17-15AH-39	34AA240		/ /	* / /	
C-7	Fire door system	NA 17-15AH-32 NA 17-15AH-39			/ /	* / /	
D	Fuel module	NA 17-15AH-32 NA 17-15AH-39	34AA300		/ /	* / /	
D-1	Fuel tank	NA 17-15AH-32 NA 17-15AH-39			/ /	* / /	
D-2	Fuel pump/motor assembly	NA 17-15AH-32 NA 17-15AH-39			/ /	* / /	
D-3	Fuel filter assembly	NA 17-15AH-32 NA 17-15AH-39			/ /	* / /	
D-4	Fuel solenoid valve	NA 17-15AH-32 NA 17-15AH-39			/ /	* / /	
D-5	Fuel system cables/hoses	NA 17-15AH-32 NA 17-15AH-39	34AA217		/ /	* / /	
E	Power module	NA 17-15AH-32 NA 17-15AH-39	34AABOO		/ /	* / /	
E-1	Power module wiring assembly	NA 17-15AH-32 NA 17-15AH-39	34AA351		/ /	* / /	

B.25 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the **A/F32T-6/6A test facility** using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Principles of operation	NA 17-15A-58		/ /	* / /		
B	Instrument/control room	NA 17-15A-58		/ /	* / /		
B-1	I/C room cables/wiring	NA 17-15A-58		/ /	* / /		
B-2	Common PME, as applicable			/ /	* / /		
B-3	Power distribution circuit breakers	NA 17-15A-58	34BGGCO	/ /	* / /		
B-4	Operator control panel assembly	NA 17-15A-58	34BGL20	/ /	* / /		
B-5	Facilities control panel	NA 17-15A-58	34BGS	/ /	* / /		
B-6	Facilities monitor panels	NA 17-15A-58	34BGJ30	/ /	* / /		
B-7	Enunciator panel assembly	NA 17-15A-58	34CDI	/ /	* / /		
B-8	Indicator panel assembly	NA 17-15A-58	34BGL30	/ /	* / /		
B-9	Overhead panel assembly	NA 17-15A-58		/ /	* / /		
B-10	Transformer/rectifier	NA 17-15A-58	34BGJ10	/ /	* / /		
B-11	400Hz frequency converter	NA 17-15A-58	79SB2	/ /	* / /		
C	Fuel system	NA 17-15A-58	34BG8	/ /	* / /		
C-1	Fuel tanks	NA 17-15A-58		/ /	* / /		
C-2	Fuel pump assemblies	NA 17-15A-58		/ /	* / /		
C-3	Fuel system plumbing/components	NA 17-15A-58	34BG6	/ /	* / /		
C-4	Fuel room	NA 17-15A-58		/ /	* / /		
C-4.1	Fuel filter/separator assembly	NA 17-15A-58		/ /	* / /		
C-4.2	Fuel flow meter	NA 17-15A-58		/ /	* / /		
D	Engine room	NA 17-15A-58		/ /	* / /		
D-1	Thrust bed assembly	NA 17-15A-58	34BG1	/ /	* / /		
D-1.1	Flexure plate assembly	NA 17-15A-58	34BG2	/ /	* / /		
D-2	Engine run-up trailer assembly	NA 17-15A-75	34CA300	/ /	* / /		
D-2.1	Deck fitting assembly	NA 17-15A-75		/ /	* / /		
D-2.2	Tie down system	NA 17-15A-75	34CG220	/ /	* / /		
D-2.3	Load cell assembly	NA 17-15A-75 NA 17-15A-58			/ /	* / /	
D-3	Engine connector panel	NA 17-15A-58	34BGU00	/ /	* / /		
D-3.1	Harness assembly	NA 17-15A-58		/ /	* / /		
D-3.2	Pressure monitoring system	NA 17-15A-58		/ /	* / /		
E	Fire protecting system	NA 17-15A-58		/ /	* / /		
E-1	CO2 system components	NA 17-15A-58	34BGF	/ /	* / /		
E-1.1	Flood/sprut controls	NA 17-15A-58		/ /	* / /		
E-2	Smoke/heat detectors	NA 17-15A-58		/ /	* / /		
E-3	Interlock system	NA 17-15A-58	34BG5	/ /	* / /		
E-4	Battery/battery charger	NA 17-15A-58	31XA1	/ /	* / /		
E-5	Fire door	NA 17-15A-58		/ /	* / /		
F	Exhaust augmenter	NA 17-15A-58	34BG6	/ /	* / /		
F-1	Exhaust gas cooling components	NA 17-15A-58	34BG7	/ /	* / /		
G	Air start system	NA 17-15A-58		/ /	* / /		
G-1	Wells air start disconnect box	NA 17-15A-58	34BGV00	/ /	* / /		

B.26 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the A/F32T-10 test system using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Principles of operation	NA 17-15A-77	34CA0	/ /	/ /	*	/ /
B	Engine run-up trailer assembly	NA 17-15A-77	34ACJOO	/ /	/ /	*	/ /
B-1	Deck fitting assembly	NA 17-15A-77		/ /	/ /	*	/ /
B-2	Tie down system	NA 17-15A-77	34ACJ20	/ /	/ /	*	/ /
C	Instrument/control room	NA 17-15A-77		/ /	/ /	*	/ /
C-1	Common PME, as applicable			/ /	/ /	*	/ /
C-2	Power distribution circuit breakers	NA 17-15A-77		/ /	/ /	*	/ /
C-3	Operator control panel	NA 17-15A-77		/ /	/ /	*	/ /
C-4	Throttle control	NA 17-15A-77		/ /	/ /	*	/ /
C-5	Enunciator panel assembly	NA 17-15A-77		/ /	/ /	*	/ /
C-6	Fuel tank panel	NA 17-15A-77		/ /	/ /	*	/ /
C-7	Fuel control panel	NA 17-15A-77		/ /	/ /	*	/ /
C-8	DC power supply/control panel	NA 17-15A-77		/ /	/ /	*	/ /
C-9	Exhaust ramp temperature panel	NA 17-15A-77		/ /	/ /	*	/ /
C-10	Air start control panel	NA 17-15A-77		/ /	/ /	*	/ /
C-11	Preservation oil panel	NA 17-15A-77		/ /	/ /	*	/ /
C-12	Intercom system	NA 17-15A-77		/ /	/ /	*	/ /
C-13	4SE00444-2 variable filter	NA 17-15A-77		/ /	/ /	*	/ /
C-14	Instrument/control panel assembly	NA 17-15A-77	34AC520	/ /	/ /	*	/ /
C-15	Overhead panel assembly	NA 17-15A-77	34ACK	/ /	/ /	*	/ /
D	Fuel system	NA 17-15A-77		/ /	/ /	*	/ /
D-1	Fuel tanks	NA 17-15A-77		/ /	/ /	*	/ /
D-2	Fuel pumps	NA 17-15A-77		/ /	/ /	*	/ /
D-3	Globe valves	NA 17-15A-77		/ /	/ /	*	/ /
D-4	Accumulators	NA 17-15A-77		/ /	/ /	*	/ /
D-5	Fuel control valves FCV-1, FCV-2, FCV-3	NA 17-15A-77		/ /	/ /	*	/ /
D-6	Fuel filters/superstores	NA 17-15A-77		/ /	/ /	*	/ /
D-7	High & low flow turbine meters	NA 17-15A-77		/ /	/ /	*	/ /
D-8	Totalizing meter	NA 17-15A-77		/ /	/ /	*	/ /
E	Compressed air system	NA 17-15A-77		/ /	/ /	*	/ /
E-1	Air compressor & tank	NA 17-15A-77		/ /	/ /	*	/ /
E-2	Refrigerated air drier/filter	NA 17-15A-77		/ /	/ /	*	/ /
E-3	Distribution piping	NA 17-15A-77		/ /	/ /	*	/ /
F	Engine air start system	NA 17-15A-77					
G	Preservation oil system	NA 17-15A-77		/ /	/ /	*	/ /
G-1	Preservation oil tank	NA 17-15A-77		/ /	/ /	*	/ /
G-2	Preservation oil pumps	NA 17-15A-77		/ /	/ /	*	/ /
G-3	Electrically operated valve	NA 17-15A-77		/ /	/ /	*	/ /
H	Fire protection system	NA 17-15A-77		/ /	/ /	*	/ /
H-1	Water distribution system	NA 17-15A-77		/ /	/ /	*	/ /
H-2	Control system	NA 17-15A-77		/ /	/ /	*	/ /
H-3	Alarm system	NA 17-15A-77		/ /	/ /	*	/ /

B.27 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the A/M37T-23 test system using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Principles of operation	NA 17-15A-75	34CG0	/ /	* / /		
A-1	emergency procedures	NA 17-15A-75		/ /	* / /		
B	Engine run-up trailer assembly	NA 17-15A-75	34CG200	/ /	* / /		
B-1	Tie down system	NA 17-15A-75	34CG220	/ /	* / /		
B-2	Deck fitting assembly	NA 17-15A-75		/ /	* / /		
B-3	Load cell assembly	NA 17-15A-75	34CA330	/ /	* / /		
C	Instrument/control cab	NA 17-15A-75	34CG400	/ /	* / /		
C-1	I/C cab cables/wiring	NA 17-15A-75	34CG4K0	/ /	* / /		
C-2	Common PME, as applicable			/ /	* / /		
C-3	Operator control panel	NA 17-15A-75	34CG4D2	/ /	* / /		
C-4	Meter control panel assembly	NA 17-15A-75	34CG4G3	/ /	* / /		
C-5	Facilities control panel	NA 17-15A-75		/ /	* / /		
C-6	Indicator panel assembly	NA 17-15A-75	34CG4D1	/ /	* / /		
C-7	Circuit breaker panel assembly	NA 17-15A-75	34CG550	/ /	* / /		
C-8	Overhead panel assembly	NA 17-15A-75	34CG4N1	/ /	* / /		
C-9	Enunciator panel assembly	NA 17-15A-75	34CG4G1	/ /	* / /		
C-10	Transformer/rectifier	NA 17-15A-75	34CG4J3	/ /	* / /		
C-11	Frequency converter	NA 17-15A-75	34CG4J4	/ /	* / /		
D	Electrical disconnect box	NA 17-15A-75	34CG100	/ /	* / /		
D-1	Mechanical disconnect box	NA 17-15A-75	34CG800	/ /	* / /		
E	Fuel system	NA 17-15A-75	34CG600	/ /	* / /		
E-1	Fuel tank assembly	NA 17-15A-75	34CG610	/ /	* / /		
E-2	Fuel service module	NA 17-15A-75	34CG620	/ /	* / /		
E-3	Fuel pump/motor assembly	NA 17-15A-75	34CG621	/ /	* / /		
E-4	Fuel filter assembly	NA 17-15A-75		/ /	* / /		
E-5	Electrical enclosure assembly	NA 17-15A-75		/ /	* / /		
E-6	Fuel system piping/hoses	NA 17-15A-75	34CG720	/ /	* / /		
E-7	Fuel system cables/wiring	NA 17-15A-75	34CGD10	/ /	* / /		
F	Van mobilizer	NA 17-15A-75	34CGB	/ /	* / /		

B.28 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the UTTS1-7-1 universal gas turbine test stand (281150-70) using appropriate maintenance procedures and support/test equipment.

A	Principles of operation	NA 17-15A-27	34BYO		/ /	* / /	
B	Test trailer components	NA 17-15A-27			/ /	* / /	
B-1	Fuel system	NA 17-15A-27	34BYD		/ /	* / /	
B-1.1	Fuel tank	NA 17-15A-27			/ /	* / /	
B-1.2	Fuel boost pump	NA 17-15A-27			/ /	* / /	
B-1.3	Fuel filter	NA 17-15A-27			/ /	* / /	

DA B.28 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
B-2	Electrical system	NA 17-15A-27	34BYF		/ /	* / /	
B-2.1	Batteries	NA 17-15A-27	34BYH		/ /	* / /	
B-2.2	Battery charger assembly	NA 17-15A-27			/ /	* / /	
B-2.3	External power requirement	NA 17-15A-27			/ /	* / /	
B-2.4	Control box assembly	NA 17-15A-27	34BYJ		/ /	* / /	
B-2.5	Console electrical assembly	NA 17-15A-27	34BYG		/ /	* / /	
B-3	Chain hoist assembly	NA 17-15A-27	34BYA		/ /	* / /	
B-4	Exhaust cone assembly	NA 17-15A-27	34BY7		/ /	* / /	
B-4.1	Thermocouple assembly	NA 17-15A-27			/ /	* / /	
B-5	Engine bleed air load control kit	NA 17-15A-27			/ /	* / /	

B.29 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the A/E37T-20/20A gas turbine starter test stand using appropriate maintenance procedures and support/test equipment.

A	Principles of operation	NA 17-15BF-68			/ /	* / /	
B	Starter test stand	NA 17-15BF-68	35BA0		/ /	* / /	
B-1	Control panel assembly	NA 17-15BF-68	35BA1		/ /	* / /	
B-2	Timer panel assembly	NA 17-15BF-68	35BA2		/ /	* / /	
B-3	Electrical panel assembly	NA 17-15BF-68	35BA3		/ /	* / /	
B-4	Temperature panel assembly	NA 17-15BF-68	35BA4		/ /	* / /	
B-5	Fuel/hydraulic panel assembly	NA 17-15BF-68	35BA5		/ /	* / /	
B-6	CO2 system assembly	NA 17-15BF-68	35BA6		/ /	* / /	
B-7	DC power supply	NA 17-15BF-68	35BA7		/ /	* / /	
B-8	Variable speed motor	NA 17-15BF-68	35BA8		/ /	* / /	
B-9	Hydraulic piston pump	NA 17-15BF-68	35BAB		/ /	* / /	
B-10	High speed pad assembly	NA 17-15BF-68	35BAC		/ /	* / /	
B-11	Low speed pad assembly	NA 17-15BF-68	35BAD		/ /	* / /	
B-12	Overrun pad assembly	NA 17-15BF-68	35BAE		/ /	* / /	
B-13	Accumulator	NA 17-15BF-68	35BAF		/ /	* / /	
B-14	Lube/fuel filter assembly	NA 17-15BF-68	35BAG		/ /	* / /	
B-15	Piping/tubing	NA 17-15BF-68	35BAH		/ /	* / /	
B-16	Electrical harness	NA 17-15BF-68	35BAJ		/ /	* / /	
B-17	Inlet/exhaust ducts	NA 17-15BF-68	35BAK		/ /	* / /	
B-18	Fuel tank assembly	NA 17-15BF-68			/ /	* / /	
B-19	Fuel boost pump/motor	NA 17-15BF-68			/ /	* / /	
B-20	Disc brake assembly	NA 17-15BF-68			/ /	* / /	
B-21	Electrical load system	NA 17-15BF-68			/ /	* / /	
B-22	Inertia system	NA 17-15BF-68			/ /	* / /	

B.30 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the F402-RR-406B/408A/408B turbofan engine and adapter using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Principles of operation	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
B	Emergency procedures	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
C	Engine operation limits	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D	Engine test and check	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D-1	Installation & connection of engine to test stand	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D-2	Dry motoring cycle	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D-3	Starting	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D-4	Idling leakage checkout	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D-5	Manual fuel system idle selection	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D-6	IGV idle checkout	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D-7	Blow off valve checkout	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D-8	Oil pressure and thermocouple checkout	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D-9	Vibration checkout	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D-10	Exhaust duct nozzle trim checkout	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D-11	Water injection checkout	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D-12	Max thrust/NL/JPT datum checkout	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D-13	Fast acceleration checkout	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D-14	Acceleration checkout	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D-15	Hot re-slam acceleration	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D-16	Manual fuel system check	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D-17	Oil consumption/contamination checkout	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	

DA B.30 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-18	Endurance & performance	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D-19	Engine checkout	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D-20	DECU FCS checkout	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D-21	DECU full BIT checkout	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D-22	States inputs checkout	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D-23	Pilot lever angle position checkout	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D-24	Final DECU checkout	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D-25	Shutdown	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
D-26	Vibration monitoring	A1-F402B-SPM-000		/ /	*	/ /	
D-27	QDM analysis	A1-F402B-SPM-000		/ /	*	/ /	
E	Troubleshooting procedures	A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
F	F402 engine adapter assembly	NA 17-15A-46.2		/ /	*	/ /	
F-1	Engine instrument panel	NA 17-15A-46.2		/ /	*	/ /	
F-2	Peculiar engine panel	NA 17-15A-46.2		/ /	*	/ /	
F-3	Valve junction box assembly	NA 17-15A-46.2		/ /	*	/ /	
F-4	Water injection system	NA 17-15A-46.2		/ /	*	/ /	
F-4.1	Water tank assembly	NA 17-15A-46.2		/ /	*	/ /	
F-4.2	Junction box	NA 17-15A-46.2		/ /	*	/ /	
F-4.3	Pump assembly	NA 17-15A-46.2		/ /	*	/ /	
F-5	Exhaust duct installation	NA 17-15A-46.2		/ /	*	/ /	
F-6	Jet pipe temp terminal block enclosure assembly	NA 17-15A-46.2	34XMHB0	/ /	*	/ /	
F-7	Cables/wiring/hoses	NA 17-15A-46.2		/ /	*	/ /	
F-8	Bleed valve control	NA 17-15A-46.2	34XMH30	/ /	*	/ /	
F-9	Adapter assembly	NA 17-15A-46.2	34XM8	/ /	*	/ /	
F-10	Stone guard	NA 17-15A-46.2	34XM7	/ /	*	/ /	
F-11	Air turbine starter	NA 17-15A-46.2		/ /	*	/ /	
F-11.1	Starter adapter	NA 17-15A-46.2		/ /	*	/ /	
F-12	HE ignition unit	NA 17-15A-46.2		/ /	*	/ /	
F-13	Twin thermocouple	NA 17-15A-46.2		/ /	*	/ /	
F-14	Tachometer generator	NA 17-15A-46.2		/ /	*	/ /	
F-15	Vibration transducer	NA 17-15A-46.2		/ /	*	/ /	

B.31 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the F404-GE-400/402 turbofan engine and engine adapter using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Principles of operation	A1-F404A-MMI-200		/ /	* / /		
B	Emergency procedures	A1-F404A-MMI-200		/ /	* / /		
C	Engine operating limits	A1-F404A-MMI-200		/ /	* / /		
D	Engine test and check	A1-F404A-MMI-200		/ /	* / /		
D-1	Installation & connection of engine to test stand	A1-F404A-MMI-200		/ /	* / /		
D-2	Pre-start zero readings	NA 17-15A-71		/ /	* / /		
D-3	Pre-start rollover	A1-F404A-MMI-200		/ /	* / /		
D-4	Visual inspection	A1-F404A-MMI-200		/ /	* / /		
D-5	VEN & oil tank servicing	A1-F404A-MMI-200		/ /	* / /		
D-6	Starting	A1-F404A-MMI-200		/ /	* / /		
D-7	Ground idle and idle speed test	A1-F404A-MMI-200		/ /	* / /		
D-8	Nozzle actuation test	A1-F404A-MMI-200		/ /	* / /		
D-9	Flight idle	A1-F404A-MMI-200		/ /	* / /		
D-10	NL over speed check	A1-F404A-MMI-200		/ /	* / /		
D-11	Steady-state break-in and variable geometry schedule	A1-F404A-MMI-200		/ /	* / /		
D-12	Transient break-in schedule	A1-F404A-MMI-200		/ /	* / /		
D-13	T5C & T1 temp signal test	A1-F404A-MMI-200		/ /	* / /		
D-14	Power lever control test	A1-F404A-MMI-200		/ /	* / /		
D-15	N2 rotor speed lock-up	A1-F404A-MMI-200		/ /	* / /		
D-16	Altitude pressure signal test	A1-F404A-MMI-200		/ /	* / /		
D-17	Fan speed transmitter test #1 & #2	A1-F404A-MMI-200		/ /	* / /		
D-18	Transient test	A1-F404A-MMI-200		/ /	* / /		
D-19	Engine pressure ratio test	A1-F404A-MMI-200		/ /	* / /		
D-20	Max afterburner test	A1-F404A-MMI-200		/ /	* / /		
D-21	Shutdown	A1-F404A-MMI-200		/ /	* / /		
E	Troubleshooting procedures	A1-F404A-MMI-200		/ /	* / /		
F	Engine adapter assembly	NA 17-15A-71	34XQ500	/ /	* / /		
F-1	Engine instrument panel	NA 17-15A-71	34XQ530	/ /	* / /		
F-2	Peculiar engine panel	NA 17-15A-71	34XQ5DO	/ /	* / /		
F-3	Cable assemblies	NA 17-15A-71		/ /	* / /		
F-4	H904-210 N2 percent gauge	NA 17-15A-71	34XQ520	/ /	* / /		
F-5	H904-211 N1 percent gauge	NA 17-15A-71	34XQ510	/ /	* / /		
F-6	Fuel inlet adapter assembly	NA 17-15A-71	34XQ5JO	/ /	* / /		
F-7	Vibration amplifier box assembly	NA 17-15A-71	34XQCO	/ /	* / /		
F-8	Engine test support	A1-F404A-MMI-200	34XYD	/ /	* / /		
F-9	Inlet nozzle/screen assembly	A1-F404A-MMI-200	34XYB	/ /	* / /		
F-10	Air turbine starter assembly	A1-F404A-MMI-200	34XQ800	/ /	* / /		
F-11	Oil mist system	A1-F404A-MMI-200		/ /	* / /		
F-12	4-128-0006 vibration accelerometers	A1-F404A-MMI-200	34XQG	/ /	* / /		
F-13	CVG/FVG position transducers	A1-F404A-MMI-200	34XY5	/ /	* / /		
F-14	Throttle adapter	A1-F404A-MMI-200	34XYI	/ /	* / /		

B.32 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the GTC-36-200 auxiliary power unit and engine adapter using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Principles of operation	A1-580AA-MIB-200		/ /	* / /		
B	Emergency procedures	A1-580AA-MIB-200		/ /	* / /		
C	APU operating limits	A1-580AA-MIB-200		/ /	* / /		
D	APU test and check	A1-580AA-MIB-200		/ /	* / /		
D-1	Installation & connection of APU to test stand	A1-580AA-MIB-200			/ /	* / /	
D-2	Preparation for test	A1-580AA-MIB-200		/ /	* / /		
D-3	Static electrical checks	A1-580AA-MIB-200		/ /	* / /		
D-4	Pre-start motoring	A1-580AA-MIB-200		/ /	* / /		
D-5	APU starting	A1-580AA-MIB-200		/ /	* / /		
D-6	Operational test	A1-580AA-MIB-200		/ /	* / /		
D-7	Engine run-in	A1-580AA-MIB-200		/ /	* / /		
D-8	Performance test	A1-580AA-MIB-200		/ /	* / /		
D-9	MES mode operation	A1-580AA-MIB-200		/ /	* / /		
D-10	MES transient load check	A1-580AA-MIB-200		/ /	* / /		
D-11	ECS mode operation	A1-580AA-MIB-200		/ /	* / /		
D-12	ECS transient load check	A1-580AA-MIB-200		/ /	* / /		
D-13	RTL mode operation	A1-580AA-MIB-200		/ /	* / /		
D-14	GCO mode operation	A1-580AA-MIB-200		/ /	* / /		
D-15	Surge control valve adjustment	A1-580AA-MIB-200		/ /	* / /		
D-16	APU shutdown	A1-580AA-MIB-200		/ /	* / /		
E	Troubleshooting procedures	A1-580AA-MIB-200		/ /	* / /		
F	Control/indicator adapter ADK-549/E37T-26A	NA 17-15AH-32.2		/ /	* / /		
F-1	Electronic control unit	NA 17-15AH-32.2		/ /	* / /		
F-2	Engine instrument panel	NA 17-15AH-32.2		/ /	* / /		
F-3	APU test adapter	NA 17-15AH-32.2		/ /	* / /		
F-4	Simulated aircraft control valve	NA 17-15AH-32.2		/ /	* / /		
F-5	Oil cooler assembly	NA 17-15AH-32.2		/ /	* / /		
F-6	Thermocouple assembly	NA 17-15AH-32.2		/ /	* / /		
F-7	Exhaust duct assembly	NA 17-15AH-32.2		/ /	* / /		
F-8	Bleed air duct assembly	NA 17-15AH-32.2		/ /	* / /		

B.33 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the GTC-85-56 gas turbine compressor using appropriate maintenance procedures and support/test equipment.

A	Principles of operation	NA 03-105BC-23		/ /	* / /	
B	Emergency procedures	NA 03-105BC-23		/ /	* / /	
C	GTC operating limits	NA 03-105BC-23		/ /	* / /	

DA B.33 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D	GTC test procedures	NA 03-105BC-23		/ /	*	/ /	
D-1	Installation & connection of GTC to test stand	NA 03-105BC-23		/ /	*	/ /	
D-2	Un-in check of electrical components	NA 03-105BC-23		/ /	*	/ /	
D-3	Acceleration limiter valve cracking pressure check	NA 03-105BC-23		/ /	*	/ /	
D-4	Run-in procedures	NA 03-105BC-23		/ /	*	/ /	
D-5	Governor check and adjustment	NA 03-105BC-23		/ /	*	/ /	
D-6	Acceleration and over temp control thermostat check and adjustment	NA 03-105BC-23		/ /	*	/ /	
D-7	Load control thermostat check and adjustment	NA 03-105BC-23		/ /	*	/ /	
D-8	Unloading air shutoff valve rate check & adjustment	NA 03-105BC-23		/ /	*	/ /	
D-9	Acceleration stabilizer solenoid valve & orifice assembly check and ADJ.	NA 03-105BC-23		/ /	*	/ /	
D-10	Centrifugal switch check and adjustment	NA 03-105BC-23		/ /	*	/ /	
D-11	Performance test	NA 03-105BC-23		/ /	*	/ /	
D-12	Vibration test	NA 03-105BC-23		/ /	*	/ /	
D-13	Troubleshooting procedures	NA 03-105BC-23		/ /	*	/ /	
E	Gas turbine analyzer	NA 03-105BC-23		/ /	*	/ /	
E-1	Bleed air calculator	NA 03-105BC-23		/ /	*	/ /	

B.34 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the J-52-P-408A/408B turbojet engine and engine adapter using appropriate maintenance procedures and support/test equipment.

A	Principles of operation	NA 02B-10DAD-6-1V1		/ /	*	/ /	
B	Emergency procedures	NA 02B-10DAC-6V1-1		/ /	*	/ /	
C	Engine operation limits	NA 02B-10DAC-6V1-1		/ /	*	/ /	
D	Engine test and check	NA 02B-10DAC-6V1-1		/ /	*	/ /	
D-14	Installation & connection of engine to test stand	NA 02B-10DAC-6V1-1		/ /	*	/ /	
D-1	Preoperational check	NA 02B-10DAC-6V1-1		/ /	*	/ /	
D-2	Electrical system check	NA 02B-10DAC-6V1-1		/ /	*	/ /	
D-3	Freedom of rotation check	NA 02B-10DAC-6V1-1		/ /	*	/ /	
D-4	Fuel system check	NA 02B-10DAC-6V1-1		/ /	*	/ /	
D-5	Liquid field cleaning	NA 02B-10DAC-6V1-1		/ /	*	/ /	
D-6	Oil system check	NA 02B-10DAC-6V1-1		/ /	*	/ /	
D-7	Plumbing & instrumentation	NA 02B-10DAC-6V1-1		/ /	*	/ /	
D-8	Power lever check	NA 02B-10DAC-6V1-1		/ /	*	/ /	
D-9	Starting	NA 02B-10DAD-6-1V1		/ /	*	/ /	

DA B.34 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-10	Idle check	NA 02B-10DAD-6-1V1		/ /	* / /		
D-11	Target PT7 determination	NA 02B-10DAC-6V1-1		/ /	* / /		
D-12	Test 1 outline	NA 02B-10DAC-6V1-1		/ /	* / /		
D-13	Test 2 outline	NA 02B-10DAC-6V1-1		/ /	* / /		
D-14	T7 (EGT) indicating system	NA 02B-10DAC-6V1-1		/ /	* / /		
D-15	Turbine cooling air	NA 02B-10DAC-6V1-1		/ /	* / /		
D-16	Leak check	NA 02B-10DAC-6V1-1		/ /	* / /		
D-17	Shutdown	NA 02B-10DAC-6V1-1		/ /	* / /		
E	Troubleshooting procedures	NA 02B-10DAD-6-1V1		/ /	* / /		
F	Engine adapter assembly	NA 17-15A-55		/ /	* / /		
F-1	Peculiar engine panel	NA 17-15A-55		/ /	* / /		
F-2	Remote trim box	NA 17-15A-55		/ /	* / /		
F-3	Cables/hoses/wiring	NA 17-15A-55		/ /	* / /		
F-4	Closure plate assembly	NA 17-15A-55		/ /	* / /		
F-5	Restraint rods & fittings	NA 17-15A-55		/ /	* / /		
F-6	Power lever shaft adapter/flexible shaft	NA 17-15A-55		/ /	* / /		
F-7	Throttle linkage assembly	NA 17-15A-55		/ /	* / /		
F-8	Fuel inlet adapter	NA 17-15A-55		/ /	* / /		
F-9	Test mount adapter	NA 02B-10DAD-6-1V1		/ /	* / /		
F-9.1	Engine mounts	NA 02B-10DAC-6V1-1	34XT8	/ /	* / /		
F-9.2	Engine supports	NA 02B-10DAC-6V1-1	34XT4	/ /	* / /		
F-10	Air turbine starter	NA 02B-10DAC-6V1-1		/ /	* / /		
F-11	Vibration pick-up	NA 02B-10DAC-6V1-1		/ /	* / /		
F-12	N1 & N2 tachometer generators	NA 02B-10DAC-6V1-1		/ /	* / /		
F-13	Test fairing, bell mouth & intake screen	NA 02B-10DAC-6V1-1	34XTQ	/ /	* / /		
F-14	Turbine exhaust test nozzle	NA 02B-10DAC-6V1-1		/ /	* / /		
F-15	Pt2 & Tt2 probes	NA 02B-10DAC-6V1-1		/ /	* / /		
F-16	Anti-ice temperature probe	NA 02B-10DAC-6V1-1		/ /	* / /		
F-17	Oil temperature probe	NA 02B-10DAC-6V1-1		/ /	* / /		
F-18	Remote trimmer	NA 02B-10DAD-6-1V1	34XTPOO	/ /	* / /		

B.35 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the Mk4 GTS auxiliary power unit and engine adapter using appropriate maintenance procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A	Principles of operation	A1-580VB-MMI-200		/ /	* / /		
B	Emergency procedures	A1-580VB-MMI-200		/ /	* / /		
C	GTS operating limits	A1-580VB-MMI-200		/ /	* / /		
D	GTS test and check	A1-580VB-MMI-200		/ /	* / /		
D-1	Pretest setup	A1-580VB-MMI-200		/ /	* / /		
D-1.1	Generator/regular installation	A1-580VB-MMI-200		/ /	* / /		

DA B.35 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-1.2	Starter motor installation	A1-580VB-MMI-200		/ /	/ /	*	/ /
D-1.3	Oil priming	A1-580VB-MMI-200		/ /	/ /	*	/ /
D-2	Starting	A1-580VB-MMI-200		/ /	/ /	*	/ /
D-3	Initial main engine start	A1-580VB-MMI-200		/ /	/ /	*	/ /
D-4	Translation start	A1-580VB-MMI-200		/ /	/ /	*	/ /
D-5	Seal cutting	A1-580VB-MMI-200		/ /	/ /	*	/ /
D-6	APU mode	A1-580VB-MMI-200		/ /	/ /	*	/ /
D-7	MES mode	A1-580VB-MMI-200		/ /	/ /	*	/ /
D-8	Translation mode	A1-580VB-MMI-200		/ /	/ /	*	/ /
D-9	Load switching in APU mode	A1-580VB-MMI-200		/ /	/ /	*	/ /
D-10	Overload test	A1-580VB-MMI-200		/ /	/ /	*	/ /
D-11	Shutdown	A1-580VB-MMI-200		/ /	/ /	*	/ /
E	Troubleshooting procedures	A1-580VB-MMI-200		/ /	/ /	*	/ /
F	GTS test adapter	NA 17-15AH-32.6		/ /	/ /	*	/ /
F-1	Torque conditioning module	NA 17-15AH-32.6		/ /	/ /	*	/ /
F-2	Engine instrument package	NA 17-15AH-32.6		/ /	/ /	*	/ /
F-3	Digital panel meter	NA 17-15AH-32.6		/ /	/ /	*	/ /
F-4	Engine test assembly	NA 17-15AH-32.6		/ /	/ /	*	/ /
F-5	Engine lube system	NA 17-15AH-32.6		/ /	/ /	*	/ /
F-6	Data acquisition system recorder	NA 17-15AH-32.6		/ /	/ /	*	/ /
F-7	Exhaust duct assembly	NA 17-15AH-32.6		/ /	/ /	*	/ /
F-8	Load bank assembly	NA 17-15AH-32.6		/ /	/ /	*	/ /
F-9	Speed module	NA 17-15AH-32.6		/ /	/ /	*	/ /

B.36 Demonstrates/applies knowledge of principles of operation and performs applicable intermediate level maintenance on the **T-56-A-16 turboprop engine** using appropriate maintenance procedures and support/test equipment.

A	Principles of operation	NA 02B-5DE-6-1		/ /	*	/ /	
B	Emergency procedures	NA 17-15AH-28		/ /	*	/ /	
C	Engine operation limits	NA 02B-5DE-6-1		/ /	*	/ /	
D	Engine test and check						
D-1	Installation & connection of engine to test stand	NA 17-15AH-28		/ /	*	/ /	
D-2	Propeller control linkage check	NA 17-15AH-28		/ /	*	/ /	
D-3	Electrical components checkout	NA 02B-5DE-6-1		/ /	*	/ /	
D-4	Temperature datum system checkout	NA 02B-5DE-6-1		/ /	*	/ /	
D-5	Engine and propeller servicing	NA 02B-5DE-6-1		/ /	*	/ /	
D-6	Pre-start motoring	NA 17-15AH-28		/ /	*	/ /	
D-7	Starting	NA 17-15AH-28		/ /	*	/ /	
D-8	Seal break-in run	NA 02B-5DE-6-1		/ /	*	/ /	

DA B.36 (Continued)

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
D-9	Mechanical fuel shutoff check	NA 02B-5DE-6-1		/ /	/ /	*	/ /
D-10	Fuel control governor and prop pitch lock check	NA02B-5DE-6-1		/ /	/ /	*	/ /
D-11	Fuel control governor overspeed adjustment	NA 02B-5DE-6-1		/ /	/ /	*	/ /
D-12	Fuel control low RPM adjustment	NA 02B-5DE-6-1		/ /	/ /	*	/ /
D-13	Fuel control minimum flow adjustment	NA 02B-5DE-6-1		/ /	/ /	*	/ /
D-14	TD valve break lock check	NA 02B-5DE-6-1		/ /	/ /	*	/ /
D-15	TD system check	NA 02B-5DE-6-1		/ /	/ /	*	/ /
D-16	Fuel scheduling check	NA 02B-5DE-6-1		/ /	/ /	*	/ /
D-17	Power section oil pressure adjustment	NA 02B-5DE-6-1		/ /	/ /	*	/ /
D-18	Reduction gearbox oil pressure adjustment	NA 02B-5DE-6-1		/ /	/ /	*	/ /
D-19	Reverse thrust operation	NA 02B-5DE-6-1		/ /	/ /	*	/ /
D-20	Torque meter calibration	NA 02B-5DE-6-1		/ /	/ /	*	/ /
D-21	Torque meter run out test	NA 02B-5DE-6-1		/ /	/ /	*	/ /
D-22	Engine performance	NA 02B-5DE-6-1		/ /	/ /	*	/ /
D-22.1	Engine performance calculators	NA 02B-5DE-6-1		/ /	/ /	*	/ /
D-23	Negative torque system shutdown check	NA 02B-5DE-6-1		/ /	/ /	*	/ /
D-24	Engine compressor performance evaluation	NA 02B-5DE-6-1		/ /	/ /	*	/ /
D-25	Anti-ice check	NA 02B-5DE-6-1		/ /	/ /	*	/ /
D-26	Nacelle overheat check	NA 01-75GAA-2-10		/ /	/ /	*	/ /
D-27	Nacelle preheat check	NA 01-75GAA-2-10		/ /	/ /	*	/ /
D-28	Propeller rigging	NA 01-75GAA-2-11		/ /	/ /	*	/ /
D-29	Shutdown	NA 02B-5DE-6-1		/ /	/ /	*	/ /
E	Troubleshooting procedures	NA 02B-5DE-6-1		/ /	/ /	*	/ /
F	Water tank assembly	NA 17-15A-46.2		/ /	/ /	*	/ /
F-1	Junction box	NA 17-15A-46.2		/ /	/ /	*	/ /
F-1.1	Pump assembly	NA 17-15A-46.2		/ /	/ /	*	/ /
F-2	Nacelle preheat check	NA 17-15A-46.2		/ /	/ /	*	/ /
F-3	Propeller rigging	NA 17-15A-46.2	34XMHBO	/ /	/ /	*	/ /
F-4	Shutdown	NA 17-15A-46.2		/ /	/ /	*	/ /
F-5	Bleed valve control	NA 17-15A-46.2	34XMH30	/ /	/ /	*	/ /
F-6	Adapter assembly	NA 17-15A-46.2	34XM8	/ /	/ /	*	/ /
F-7	Stone guard	NA 17-15A-46.2	34XM7	/ /	/ /	*	/ /
F-8	Air turbine starter	NA 17-15A-46.2					
F-8.1	Starter adapter	NA 17-15A-46.2		/ /	/ /	*	/ /
F-9	HE ignition unit	NA 17-15A-46.2		/ /	/ /	*	/ /
F-10	Twin thermocouple	NA 17-15A-46.2		/ /	/ /	*	/ /
F-11	Tachometer generator	NA 17-15A-46.2		/ /	/ /	*	/ /
F-12	Vibration transducer	NA 17-15A-46.2		/ /	/ /	*	/ /

## ITSS (MATMEP) 400 DIVISION

B.37 Demonstrates/applies knowledge of principles of operation and performs applicable operation/testing on Test Cells using appropriate maintenance/operating procedures and support/test equipment.

TASK #	TASK DESCRIPTION	REFERENCE	WUC	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
A F-402		A1-F402A-MMI-200 A1-F402B-MMI-200		/ /	*	/ /	
B GTC-36		A1-580AA-MIB-200		/ /	*	/ /	
C GTC-85		NA 03-105BC-23		/ /	*	/ /	
D GTS		NA 17-15AH-32.6		/ /	*	/ /	
E J-52		NA 02B-10DAD-6-1V1		/ /	*	/ /	
F T-56		NA 02B-5DE-6-1		/ /	*	/ /	

ITSS (MATMEP) 400 DIVISION

## APPENDIX A

## INDIVIDUAL EXPERIENCE DATA SHEET

### INDIVIDUAL DATA

### UNIT EXPERIENCE DATA

NAME: \_\_\_\_\_

## UNIT

SHOP

## BILLET

**FROM/TO DATES**

SSN: \_\_\_\_\_

## FORMAL SCHOOLS

SCHOOLS NAME

DATE COMPLETED

**COMMENTS :**

---

---

## ITSS (MATMEP) 400 DIVISION

## APPENDIX C

WORK CENTER SUMMARY  
AIRCRAFT POWER PLANT TEST CELL OPERATOR (MOS 6023)

WORK CENTER NAME/NUMBER \_\_\_\_\_

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

DATE: June 2002

## ITSS (MATMEP) 400 DIVISION

## APPENDIX C

WORK CENTER SUMMARY  
AIRCRAFT POWER PLANT TEST CELL OPERATOR (MOS 6023)

WORK CENTER NAME/NUMBER \_\_\_\_\_

NAME/MOS	LEVEL	B.13	B.14	B.15	B.16	B.17	B.18	B.19	B.20	B.21	B.22	B.23	B.24	B.25	B.26	B.27
	II	XXXX														
	III				XXXX	XXXX	XXXX	XXXX	XXXX							
	IV				XXXX	XXXX	XXXX	XXXX	XXXX							
	II	XXXX														
	III				XXXX	XXXX	XXXX	XXXX	XXXX							
	IV				XXXX	XXXX	XXXX	XXXX	XXXX							
	II	XXXX														
	III				XXXX	XXXX	XXXX	XXXX	XXXX							
	IV				XXXX	XXXX	XXXX	XXXX	XXXX							
	II	XXXX														
	III				XXXX	XXXX	XXXX	XXXX	XXXX							
	IV				XXXX	XXXX	XXXX	XXXX	XXXX							
	II	XXXX														
	III				XXXX	XXXX	XXXX	XXXX	XXXX							
	IV				XXXX	XXXX	XXXX	XXXX	XXXX							
	II	XXXX														
	III				XXXX	XXXX	XXXX	XXXX	XXXX							
	IV				XXXX	XXXX	XXXX	XXXX	XXXX							
	II	XXXX														
	III				XXXX	XXXX	XXXX	XXXX	XXXX							
	IV				XXXX	XXXX	XXXX	XXXX	XXXX							
	II	XXXX														
	III				XXXX	XXXX	XXXX	XXXX	XXXX							
	IV				XXXX	XXXX	XXXX	XXXX	XXXX							
	II	XXXX														
	III				XXXX	XXXX	XXXX	XXXX	XXXX							
	IV				XXXX	XXXX	XXXX	XXXX	XXXX							
	II	XXXX														
	III				XXXX	XXXX	XXXX	XXXX	XXXX							
	IV				XXXX	XXXX	XXXX	XXXX	XXXX							
	II	XXXX														
	III				XXXX	XXXX	XXXX	XXXX	XXXX							
	IV				XXXX	XXXX	XXXX	XXXX	XXXX							
	II	XXXX														
	III				XXXX	XXXX	XXXX	XXXX	XXXX							
	IV				XXXX	XXXX	XXXX	XXXX	XXXX							
	II	XXXX														
	III				XXXX	XXXX	XXXX	XXXX	XXXX							
	IV				XXXX	XXXX	XXXX	XXXX	XXXX							
	II	XXXX														
	III				XXXX	XXXX	XXXX	XXXX	XXXX							
	IV				XXXX	XXXX	XXXX	XXXX	XXXX							
	II	XXXX														
	III				XXXX	XXXX	XXXX	XXXX	XXXX							
	IV				XXXX	XXXX	XXXX	XXXX	XXXX							
	II	XXXX														
	III				XXXX	XXXX	XXXX	XXXX	XXXX							
	IV				XXXX	XXXX	XXXX	XXXX	XXXX							

DATE: June 2002

## ITSS (MATMEP) 400 DIVISION

APPENDIX C  
WORK CENTER SUMMARY  
AIRCRAFT POWER PLANT TEST CELL OPERATOR (MOS 6023)

WORK CENTER NAME/NUMBER \_\_\_\_\_

NAME/MOS	LEVEL	B. 28	B. 29	B. 30	B. 31	B. 32	B. 33	B. 34	B. 35	B. 36	B. 37
	II	XXXX									
	III										XXXX
	IV										
	II	XXXX									
	III										XXXX
	IV										
	II	XXXX									
	III										XXXX
	IV										
	II	XXXX									
	III										XXXX
	IV										
	II	XXXX									
	III										XXXX
	IV										
	II	XXXX									
	III										XXXX
	IV										
	II	XXXX									
	III										XXXX
	IV										
	II	XXXX									
	III										XXXX
	IV										
	II	XXXX									
	III										XXXX
	IV										
	II	XXXX									
	III										XXXX
	IV										
	II	XXXX									
	III										XXXX
	IV										
	II	XXXX									
	III										XXXX
	IV										
	II	XXXX									
	III										XXXX
	IV										
	II	XXXX									
	III										XXXX
	IV										

DATE: June 2002

ITSS (MATMEP) 400 DIVISION

## APPENDIX D

SUPPORT EQUIPMENT LICENSING RECORD

NAME/SSN:

RANK:

MOS:

DATE: June 2002