

ITSS (MATMEP)

DUTY AREA
AVIATION METEOROLOGICAL EQUIPMENT TECHNICIAN (MOS 6493)

A. ADMINISTRATION

1. Prepare Maintenance Action Forms.
2. Prepare Quarterly Planned Maintenance System Schedule.
3. Prepare documentation for requisitioning/turn-on of replacement part/equipment.
4. Coordinate the activities of the meteorological mobile facility.

B. MAINTAINING METEOROLOGICAL EQUIPMENT

1. Maintain Meteorological RADAR Subsystem.
2. Maintain Meteorological Satellite Receiving Subsystem.
3. Maintain the Processing Subsystem.
4. Maintain the Local Sensor Subsystem.
5. Maintain the Remote Sensor Subsystem.
6. Maintain the Rawinsonde Equipment Subsystem.
7. Maintain the Video Subsystem.
8. Maintain the Communications Subsystem.
9. Maintain the Portable Meteorological Subsystem.
10. Maintain the Shelter Subsystem.
11. Perform Scheduled Maintenance of all Meteorological Equipment.
12. Comply with all safety, security, and Tempest requirements when maintaining Meteorological Equipment.
13. Perform corrosion control on a Meteorological Mobile Facility.

C. OPTIMIZING THE METEOROLOGICAL SOFTWARE

1. Optimize the Meteorological Software including operating systems and application programs.
2. Optimize the dissemination of weather information.
3. Utilize Windows NT, Windows 95, DOS, HP-UNIX, Digital UNIX, and Solaris Operating Systems.
4. Load and initialize Meteorological software applications.
5. Rebuild Operating System Kernels.
6. Use shells to interact with the Operating System.
7. Restore file systems.
8. Optimize Memory Allocations.
9. Set up accounts, information security, and file management.
10. Establish file access permissions.
11. Restore file systems.
12. Prepare disks/tapes (mirror file) of system software at time of failure.
13. Establish and maintain transmission control protocol/internet protocol connections.
14. Establish and maintain clients and servers.
15. Map devices and configure software.
16. Utilize SCSI's, CD-ROM, DAT Tape Drives, Floppy, removable disk drives in network operations.

D. COMBAT/FIELD SKILLS

1. Deploy and prepare meteorological equipment for operation.
2. Establish and maintain functional and physical interfaces between all meteorological equipment, including COMSEC equipment.
3. Dismantle and stow deployed meteorological equipment.
4. Operate 30 and 60kw generator.

DA MOS 6493 (Continued)

SKILL PROGRESSION LEVEL DEFINITIONS

LEVEL I: An asterisk in Level I indicates the task is taught at the "MOS producing" School.

LEVEL II: An asterisk in Level II indicates the task should be exposed to the Marine before receiving a hard skill MOS. A sign-off in level II indicates the task was exposed to the individual for the first time. All other occurrences aft.

LEVEL III: An asterisk in Level III indicates the task is considered training essential. A sign-off in Level III indicates the Marine can perform that task w/o direct supervision. The unit is responsible for these sign-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 tasks in Level III must have been signed-off. Only one sign-off for the Duty Area is required.

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

Note: Refer to MCO P4790.12_ for further clarification.

ITSS (MATMEP)

INDIVIDUAL QUALIFICATIONS SUMMARY
AVIATION METEOROLOGICAL EQUIPMENT TECHNICIAN (MOS 6493)

NAME / SSN _____ Granted MOS 6493 _____ / _____ Level II Completed _____ / _____
 _____ / _____
 Level III Completed _____ / _____
 _____ / _____
 Level IV Completed _____ / _____

| DUTY | DESCRIPTION | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|---|---------|----------|-----------|----------|
| A. | ADMINISTRATION | | | | |
| A.1 | Maintenance Action Forms | /* / | | /* / | |
| A.2 | Quarterly Planned Maintenance System Schedule | | /* / | /* / | |
| A.3 | Requisitioning/turn-on of replacement part/equipment | /* / | | /* / | |
| A.4 | Coordinate the activities of the meteorological mobile facility | /* / | | /* / | |
| B. | MAINTAINING METEOROLOGICAL EQUIPMENT | | | | |
| B.1 | Meteorological RADAR Subsystem | /* / | | /* / | |
| B.2 | Meteorological Satellite Receiving Subsystem | /* / | | /* / | |
| B.3 | Processing Subsystem | /* / | | /* / | |
| B.4 | Local Sensor Subsystem | /* / | | /* / | |
| B.5 | Remote Sensor Subsystem | /* / | | /* / | |
| B.6 | Rawinsonde Equipment Subsystem | /* / | | /* / | |
| B.7 | Video Subsystem | /* / | | /* / | |
| B.8 | Communications Subsystem | /* / | | /* / | |
| B.9 | Portable Meteorological Subsystem | /* / | | /* / | |
| B.10 | Shelter Subsystem | /* / | | /* / | |
| B.11 | Perform Scheduled Maintenance | | /* / | /* / | |
| B.12 | Comply with all safety, security, and Tempest requirements | | /* / | /* / | |
| B.13 | Perform corrosion control | | /* / | /* / | |

ITSS (MATMEP)

INDIVIDUAL QUALIFICATIONS SUMMARY
AVIATION METEOROLOGICAL EQUIPMENT TECHNICIAN (MOS 6493)

| DUTY | DESCRIPTION | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|--|---------|----------|-----------|----------|
| C. | OPTIMIZING THE METEOROLOGICAL SOFTWARE | | | | |
| C.1 | Optimize the Meteorological Software | /* / | | /* / | |
| C.2 | Optimize the dissemination of weather information | /* / | | /* / | |
| C.3 | Utilize Operating Systems | /* / | | /* / | |
| C.4 | Load and initialize Meteorological software applications | /* / | | /* / | |
| C.5 | Rebuild Operating System Kernels | | | /* / | |
| C.6 | Use shells | /* / | | /* / | |
| C.7 | Restore file systems | /* / | | /* / | |
| C.8 | Optimize Memory Allocations | | /* / | /* / | |
| C.9 | Set up accounts, information security, and file management | /* / | | /* / | |
| C.10 | Establish file access permissions | /* / | | /* / | |
| C.11 | Restore file systems | /* / | | /* / | |
| C.12 | Prepare disks/tapes (mirror file) of system software | /* / | | /* / | |
| C.13 | Establish and maintain transmission control protocol/internet protocol connections | /* / | | /* / | |
| C.14 | Establish and maintain clients and servers | /* / | | /* / | |
| C.15 | Map devices and configure software | /* / | | /* / | |
| C.16 | Utilize SCSI's, CD-ROM, DAT Tape Drives, Floppy, removable disk drives in network operations | /* / | | /* / | |
| D. | COMBAT/FIELD SKILLS | | | | |
| D.1 | Deploy and prepare meteorological equipment for operation | | /* / | /* / | |
| D.2 | Establish and maintain functional and physical interfaces | | /* / | /* / | |
| D.3 | Dismantle and stow deployed meteorological equipment | | /* / | /* / | |
| D.4 | Operate 30 and 60kw generator | /* / | | /* / | |

DATE: May 2003

INDIVIDUAL QUALIFICATION RECORD
AVIATION METEOROLOGICAL EQUIPMENT TECHNICIAN (MOS 6493)

A. ADMINISTRATION

A.1 Prepare Maintenance Action Forms.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|--|---------------|---------|----------|-----------|----------|
| A-1 | Obtain copy of OPNAV/60 (VIDS/MAF) | OPNAV 4790.2E | /* / | | /* / | |
| A-2 | Fill in required data | OPNAV 4790.2E | /* / | | /* / | |
| A-3 | Process OPNAV 4790/60 per instructions | OPNAV 4790.2E | /* / | | /* / | |

A.2 Prepare Quarterly Planned Maintenance System Schedule.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|--|------------|---------|----------|-----------|----------|
| A-1 | Review system MIP for applicable tasks | Maint. SOP | | /* / | /* / | |
| A-2 | Review locally developed MRC's | Maint. SOP | | /* / | /* / | |
| A-3 | Develop, by calendar date, schedule and responsibility chart, for next quarter | Maint. SOP | | /* / | /* / | |

A.3 Prepare documentation for requisitioning/turn-on of replacement part/equipment.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|--|---------------|---------|----------|-----------|----------|
| A-1 | Obtain copy of OPNAV/60 (VIDS/MAF) | OPNAV 4790.2E | /* / | | /* / | |
| A-2 | Fill in required data | OPNAV 4790.2E | /* / | | /* / | |
| A-3 | Process OPNAV 4790/60 per instructions | OPNAV 4790.2E | /* / | | /* / | |

A.4 Coordinate the activities of the meteorological mobile facility.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|--|-----------------|---------|----------|-----------|----------|
| A-1 | Monitor pre-deployment pack up | SPAWARPub QL23 | /* / | | /* / | |
| A-2 | Monitor consumables | USMC METMF | /* / | | /* / | |
| A-3 | Monitor security procedures | SYSTEM TECH MAN | /* / | | /* / | |
| A-4 | Monitor preventative maintenance program | " " | /* / | | /* / | |
| A-5 | Monitor utilization of equipment | " " | /* / | | /* / | |
| A-6 | Maintain safe operations of the METMF | " " | /* / | | /* / | |
| A-7 | Monitor setup procedures | " " | /* / | | /* / | |
| A-8 | Monitor resupply channels | " " | /* / | | /* / | |
| A-9 | Coordinate heavy equipment support | " " | /* / | | /* / | |
| A-10 | Monitor daily logistics/communications support | " " | /* / | | /* / | |

INDIVIDUAL QUALIFICATION RECORD
AVIATION METEOROLOGICAL EQUIPMENT TECHNICIAN (MOS 6493)

B. MAINTAINING METEOROLOGICAL EQUIPMENT

B.1 Maintain Meteorological RADAR Subsystem.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|--|---------------|---------|----------|-----------|----------|
| A-1 | Perform Op check of RADAR subsystem | Applicable TM | / * / | | / * / | |
| A-2 | Observe BIT/Fault indicators | Applicable TM | / * / | | / * / | |
| A-3 | Use schematics, GPTE, and logic diagrams | Applicable TM | / * / | | / * / | |
| A-4 | Troubleshoot to failed component | Applicable TM | / * / | | / * / | |
| A-5 | Remove and replace failed component | Applicable TM | / * / | | / * / | |
| A-6 | Conduct Op check to ensure corrective action is complete | Applicable TM | | | / * / | |
| A-7 | Prepare 3M documentation | OPNAV 4790.2E | / * / | | / * / | |
| A-8 | Prepare failed component(s) for turn-in | Applicable TM | / * / | | / * / | |
| A-9 | Return system to readiness condition | Applicable TM | / * / | | / * / | |

B.2 Maintain Meteorological Satellite Receiving Subsystem.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|--|---------------|---------|----------|-----------|----------|
| A-1 | Perform Op check of Satellite subsystem | Applicable TM | / * / | | / * / | |
| A-2 | Observe BIT/Fault indicators | Applicable TM | / * / | | / * / | |
| A-3 | Use schematics, GPTE, and logic diagrams | Applicable TM | / * / | | / * / | |
| A-4 | Troubleshoot to failed component | Applicable TM | / * / | | / * / | |
| A-5 | Remove and replace failed component | Applicable TM | / * / | | / * / | |
| A-6 | Conduct Op check to ensure corrective action is complete | Applicable TM | | | / * / | |
| A-7 | Prepare 3M documentation | OPNAV 4790.2E | / * / | | / * / | |
| A-8 | Prepare failed component(s) for turn-in | Applicable TM | / * / | | / * / | |
| A-9 | Return system to readiness condition | Applicable TM | / * / | | / * / | |

B.3 Maintain Processing Subsystem.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|--|---------------|---------|----------|-----------|----------|
| A-1 | Perform Op check of Processing subsystem | Applicable TM | / * / | | / * / | |
| A-2 | Observe BIT/Fault indicators | Applicable TM | / * / | | / * / | |
| A-3 | Use schematics, GPTE, and logic diagrams | Applicable TM | / * / | | / * / | |
| A-4 | Troubleshoot to failed component | Applicable TM | / * / | | / * / | |
| A-5 | Remove and replace failed component | Applicable TM | / * / | | / * / | |
| A-6 | Conduct Op check to ensure corrective action is complete | Applicable TM | | | / * / | |
| A-7 | Prepare 3M documentation | OPNAV 4790.2E | / * / | | / * / | |
| A-8 | Prepare failed component(s) for turn-in | Applicable TM | / * / | | / * / | |
| A-9 | Return system to readiness condition | Applicable TM | / * / | | / * / | |

B.4 Maintain Local Sensor Subsystem.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|--|---------------|---------|----------|-----------|----------|
| A-1 | Perform Op check of Local Sensor subsystem | Applicable TM | /* / | | /* / | |
| A-2 | Observe BIT/Fault indicators | Applicable TM | /* / | | /* / | |
| A-3 | Use schematics, GPTE, and logic diagrams | Applicable TM | /* / | | /* / | |
| A-4 | Troubleshoot to failed component | Applicable TM | /* / | | /* / | |
| A-5 | Remove and replace failed component | Applicable TM | /* / | | /* / | |
| A-6 | Conduct Op check to ensure corrective action is complete | Applicable TM | /* / | | /* / | |
| A-7 | Prepare 3M documentation | OPNAV 4790.2E | /* / | | /* / | |
| A-8 | Prepare failed component(s) for turn-in | Applicable TM | /* / | | /* / | |
| A-9 | Return system to readiness condition | Applicable TM | /* / | | /* / | |

B.5 Maintain Remote Sensor Subsystem.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|--|---------------|---------|----------|-----------|----------|
| A-1 | Perform Op check of Remote Sensor subsystem | Applicable TM | /* / | | /* / | |
| A-2 | Observe BIT/Fault indicators | Applicable TM | /* / | | /* / | |
| A-3 | Use schematics, GPTE, and logic diagrams | Applicable TM | /* / | | /* / | |
| A-4 | Troubleshoot to failed component | Applicable TM | /* / | | /* / | |
| A-5 | Remove and replace failed component | Applicable TM | /* / | | /* / | |
| A-6 | Conduct Op check to ensure corrective action is complete | Applicable TM | /* / | | /* / | |
| A-7 | Prepare 3M documentation | OPNAV 4790.2E | /* / | | /* / | |
| A-8 | Prepare failed component(s) for turn-in | Applicable TM | /* / | | /* / | |
| A-9 | Return system to readiness condition | Applicable TM | /* / | | /* / | |

B.6 Maintain Rawinsonde Subsystem.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|--|---------------|---------|----------|-----------|----------|
| A-1 | Perform Op check of Rawinsonde subsystem | Applicable TM | /* / | | /* / | |
| A-2 | Observe BIT/Fault indicators | Applicable TM | /* / | | /* / | |
| A-3 | Use schematics, GPTE, and logic diagrams | Applicable TM | /* / | | /* / | |
| A-4 | Troubleshoot to failed component | Applicable TM | /* / | | /* / | |
| A-5 | Remove and replace failed component | Applicable TM | /* / | | /* / | |
| A-6 | Conduct Op check to ensure corrective action is complete | Applicable TM | /* / | | /* / | |
| A-7 | Prepare 3M documentation | OPNAV 4790.2E | /* / | | /* / | |
| A-8 | Prepare failed component(s) for turn-in | Applicable TM | /* / | | /* / | |
| A-9 | Return system to readiness condition | Applicable TM | /* / | | /* / | |

B.7 Maintain Video Subsystem.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|--|---------------|---------|----------|-----------|----------|
| A-1 | Perform Op check of Video subsystem | Applicable TM | /* / | | /* / | |
| A-2 | Observe BIT/Fault indicators | Applicable TM | /* / | | /* / | |
| A-3 | Use schematics, GPTE, and logic diagrams | Applicable TM | /* / | | /* / | |
| A-4 | Troubleshoot to failed component | Applicable TM | /* / | | /* / | |
| A-5 | Remove and replace failed component | Applicable TM | /* / | | /* / | |
| A-6 | Conduct Op check to ensure corrective action is complete | Applicable TM | /* / | | /* / | |
| A-7 | Prepare 3M documentation | OPNAV 4790.2E | /* / | | /* / | |
| A-8 | Prepare failed component(s) for turn-in | Applicable TM | /* / | | /* / | |
| A-9 | Return system to readiness condition | Applicable TM | /* / | | /* / | |

B.8 Maintain Communications Subsystem.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|--|---------------|---------|----------|-----------|----------|
| A-1 | Perform Op check of Communications subsystem | Applicable TM | /* / | | /* / | |
| A-2 | Observe BIT/Fault indicators | Applicable TM | /* / | | /* / | |
| A-3 | Use schematics, GPTE, and logic diagrams | Applicable TM | /* / | | /* / | |
| A-4 | Troubleshoot to failed component | Applicable TM | /* / | | /* / | |
| A-5 | Remove and replace failed component | Applicable TM | /* / | | /* / | |
| A-6 | Conduct Op check to ensure corrective action is complete | Applicable TM | /* / | | /* / | |
| A-7 | Prepare 3M documentation | OPNAV 4790.2E | /* / | | /* / | |
| A-8 | Prepare failed component(s) for turn-in | Applicable TM | /* / | | /* / | |
| A-9 | Return system to readiness condition | Applicable TM | /* / | | /* / | |

B.9 Maintain Portable Meteorological Subsystem.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|--|---------------|---------|----------|-----------|----------|
| A-1 | Perform Op check of Portable Meteorological subsystem | Applicable TM | /* / | | /* / | |
| A-2 | Observe BIT/Fault indicators | Applicable TM | /* / | | /* / | |
| A-3 | Use schematics, GPTE, and logic diagrams | Applicable TM | /* / | | /* / | |
| A-4 | Troubleshoot to failed component | Applicable TM | /* / | | /* / | |
| A-5 | Remove and replace failed component | Applicable TM | /* / | | /* / | |
| A-6 | Conduct Op check to ensure corrective action is complete | Applicable TM | /* / | | /* / | |
| A-7 | Prepare 3M documentation | OPNAV 4790.2E | /* / | | /* / | |
| A-8 | Prepare failed component(s) for turn-in | Applicable TM | /* / | | /* / | |
| A-9 | Return system to readiness condition | Applicable TM | /* / | | /* / | |

B.10 Maintain **Shelter Subsystem**.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|--|---------------|---------|----------|-----------|----------|
| A-1 | Perform Op check of Shelter subsystem | Applicable TM | /* / | | /* / | |
| A-2 | Observe BIT/Fault indicators | Applicable TM | /* / | | /* / | |
| A-3 | Use schematics, GPTE, and logic diagrams | Applicable TM | /* / | | /* / | |
| A-4 | Troubleshoot to failed component | Applicable TM | /* / | | /* / | |
| A-5 | Remove and replace failed component | Applicable TM | /* / | | /* / | |
| A-6 | Conduct Op check to ensure corrective action is complete | Applicable TM | /* / | | /* / | |
| A-7 | Prepare 3M documentation | OPNAV 4790.2E | /* / | | /* / | |
| A-8 | Prepare failed component(s) for turn-in | Applicable TM | /* / | | /* / | |
| A-9 | Return system to readiness condition | Applicable TM | /* / | | /* / | |

B.11 **Perform Scheduled Maintenance** of all Meteorological Equipment.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|---|---------------|---------|----------|-----------|----------|
| A-1 | Review Scheduled Maintenance Chart Task | OPNAV 4790/84 | | /* / | /* / | |
| A-2 | Review Maintenance Index Page | OPNAV 4790/84 | | /* / | /* / | |
| A-3 | Obtain and comply with applicable MRC's | OPNAV 4790/84 | | /* / | /* / | |
| A-4 | Return system to readiness condition | OPNAV 4790/84 | | /* / | /* / | |

B.12 **Comply with all safety, security, and Tempest requirements** when maintaining Meteorological Equipment.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|-------------------------------------|------------------|---------|----------|-----------|----------|
| A-1 | Review applicable requirements | NAVAIR 19-25-158 | | /* / | /* / | |
| A-2 | Comply with applicable requirements | NAVAIR 19-25-158 | | /* / | /* / | |
| A-3 | Report any observed violations | NAVAIR 19-25-158 | | /* / | /* / | |

B.13 **Perform corrosion control** on a Meteorological Mobile Facility.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|---|------------------|---------|----------|-----------|----------|
| A-1 | Review corrosion control plan | MSDS | | /* / | /* / | |
| A-2 | Inspect METMF for areas of corrosion | NAVAIR 16-1-540 | | /* / | /* / | |
| A-3 | Remove corrosion | NAVAIR 19-25-158 | | /* / | /* / | |
| A-4 | Apply primer or required corrosion resistant material | " " | | /* / | /* / | |
| A-5 | Paint as per applicable directives | " " | | /* / | /* / | |

INDIVIDUAL QUALIFICATION RECORD
AVIATION METEOROLOGICAL EQUIPMENT TECHNICIAN (MOS 6493)

C. OPTIMIZING THE METEOROLOGICAL SOFTWARE

C.1 Optimize the Meteorological Software including operating systems and application programs.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|---|---------------|---------|----------|-----------|----------|
| A-1 | Conduct system start-up/shutdown | Applicable TM | /* / | | /* / | |
| A-2 | Login to the workstation | Applicable TM | /* / | | /* / | |
| A-3 | Change password | Applicable TM | /* / | | /* / | |
| A-4 | Invoke online manual pages | Applicable TM | /* / | | /* / | |
| A-5 | Edit a file using an editor | Applicable TM | /* / | | /* / | |
| A-6 | Print a file | Applicable TM | /* / | | /* / | |
| A-7 | Invoke input/output redirection | Applicable TM | /* / | | /* / | |
| A-8 | Change file permissions | Applicable TM | /* / | | /* / | |
| A-9 | Use operating system file utilities | Applicable TM | /* / | | /* / | |
| A-10 | Use operating system communications utilities | Applicable TM | /* / | | /* / | |
| A-11 | Use diagnostic utilities | Applicable TM | /* / | | /* / | |

C.2 Optimize the dissemination of weather information.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|---|--------------------------------|---------|----------|-----------|----------|
| A-1 | Monitor the system utilizing available network analyzers and software | Essential System Administrator | /* / | | /* / | |
| A-2 | Update system documentation/diagrams | Essential System Administrator | /* / | | /* / | |

C.3 Utilize Windows NT, Windows 95, DOS, HP-UNIX, Digital UNIX, and Solaris Operating Systems.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|---|---------------|---------|----------|-----------|----------|
| A-1 | Conduct system start-up/shutdown | Applicable TM | /* / | | /* / | |
| A-2 | Login to the workstation | Applicable TM | /* / | | /* / | |
| A-3 | Change password | Applicable TM | /* / | | /* / | |
| A-4 | Invoke online manual pages | Applicable TM | /* / | | /* / | |
| A-5 | Edit a file using an editor | Applicable TM | /* / | | /* / | |
| A-6 | Print a file | Applicable TM | /* / | | /* / | |
| A-7 | Invoke input/output redirection | Applicable TM | /* / | | /* / | |
| A-8 | Change file permissions | Applicable TM | /* / | | /* / | |
| A-9 | Use operating system file utilities | Applicable TM | /* / | | /* / | |
| A-10 | Use operating system communications utilities | Applicable TM | /* / | | /* / | |
| A-11 | Use diagnostic utilities | Applicable TM | /* / | | /* / | |

C.4 Load and initialize Meteorological software applications.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|---|---------------|---------|----------|-----------|----------|
| A-1 | Install application software | Applicable TM | /* / | /* / | /* / | |
| A-2 | Configure software | Applicable TM | /* / | /* / | /* / | |
| A-3 | Configure system resources for new application software | Applicable TM | /* / | /* / | /* / | |

C.5 Rebuild Operating System Kernels.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|------------------|-----------|---------|----------|-----------|----------|
| | | | | | | |
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C.6 Use shells to interact with the Operating System.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|------------------|-----------|---------|----------|-----------|----------|
| | | | | | | |
| | | | | | | |
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| | | | | | | |
| | | | | | | |

C.7 Restore file systems.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|---|---------------------------------|---------|----------|-----------|----------|
| A-1 | Backup file(s), directories and file systems with system specific utilities | Essential System Administration | /* / | /* / | /* / | |
| A-2 | Backup file(s), directories and file systems without specific utilities | Essential System Administration | /* / | /* / | /* / | |
| A-3 | Restore file(s), directories, and file systems with system specific utilities | Essential System Administration | /* / | /* / | /* / | |
| A-4 | Restore file(s), directories, and file systems without specific utilities. | Essential System Administration | /* / | /* / | /* / | |

C.8 Optimize Memory Allocations.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|------------------|-----------|---------|----------|-----------|----------|
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C.9 Set up accounts, information security, and file management.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|--|---------------------------------|---------|----------|-----------|----------|
| A-1 | Create, modify, delete appropriate files for user accounts | Essential System Administration | /* / | /* / | /* / | |
| A-2 | Verify sufficient disk space exists for users | Essential System Administration | /* / | /* / | /* / | |
| A-3 | Create/remove a home directory for user | Essential System Administration | /* / | /* / | /* / | |
| A-4 | Change file permissions to enable/disable user files | Essential System Administration | /* / | /* / | /* / | |
| A-5 | Configure user environment variables | Essential System Administration | /* / | /* / | /* / | |

C.10 Establish file access permissions.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|--|---------------------------------|---------|----------|-----------|----------|
| A-1 | Determine the type of operation system | Essential System Administration | /* / | /* / | /* / | |
| A-2 | Format data storage media | Essential System Administration | /* / | /* / | /* / | |
| A-3 | Partition data storage media | Essential System Administration | /* / | /* / | /* / | |
| A-4 | Create file systems | Essential System Administration | /* / | /* / | /* / | |
| A-5 | Modify file systems | Essential System Administration | /* / | /* / | /* / | |
| A-6 | Mount/unmount file systems | Essential System Administration | /* / | /* / | /* / | |
| A-7 | Share file systems | Essential System Administration | /* / | /* / | /* / | |

C.11 Restore file systems.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|---|---------------------------------|---------|----------|-----------|----------|
| A-1 | Backup file(s), directories and file systems with system specific utilities | Essential System Administration | /* / | /* / | /* / | |
| A-2 | Backup file(s), directories and file systems without specific utilities | Essential System Administration | /* / | /* / | /* / | |
| A-3 | Restore file(s), directories, and file systems with system specific utilities | Essential System Administration | /* / | /* / | /* / | |
| A-4 | Restore file(s), directories, and file systems without specific utilities. | Essential System Administration | /* / | /* / | /* / | |

C.12 Prepare disks/tapes (mirror file) of system software at time of failure.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|--|---------------------------------|---------|----------|-----------|----------|
| A-1 | Determine the type of operation system | Essential System Administration | /* / | /* / | /* / | |
| A-2 | Format data storage media | Essential System Administration | /* / | /* / | /* / | |
| A-3 | Partition data storage media | Essential System Administration | /* / | /* / | /* / | |
| A-4 | Create file systems | Essential System Administration | /* / | /* / | /* / | |
| A-5 | Modify file systems | Essential System Administration | /* / | /* / | /* / | |
| A-6 | Mount/unmount file systems | Essential System Administration | /* / | /* / | /* / | |
| A-7 | Share file systems | Essential System Administration | /* / | /* / | /* / | |

C.13 Establish and maintain transmission control protocol/internet protocol connections.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|---|---------------|---------|----------|-----------|----------|
| A-1 | Interpret an IP network diagram | Applicable TM | /* / | /* / | /* / | |
| A-2 | Install/configure IP software on hosts & networks | Applicable TM | /* / | /* / | /* / | |

C.14 Establish and maintain clients and servers.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|--|---------------|---------|----------|-----------|----------|
| A-1 | Define the Network File System (NFS) terms | Applicable TM | /* / | /* / | /* / | |
| A-2 | Export file hierarchies with NFS | Applicable TM | /* / | /* / | /* / | |
| A-3 | Mount file hierarchies with NFS | Applicable TM | /* / | /* / | /* / | |
| A-4 | Define Network Information Service (NIS) terms | Applicable TM | /* / | /* / | /* / | |
| A-5 | Configure an NIS domain | Applicable TM | /* / | /* / | /* / | |
| A-6 | Monitor the network utilizing available network analyzers and software | Applicable TM | /* / | /* / | /* / | |
| A-7 | Update network documentation/diagrams | Applicable TM | /* / | /* / | /* / | |

C.15 Map devices and configure software.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|--|---------------------------------|---------|----------|-----------|----------|
| A-1 | Determine the type of operation system | Essential System Administration | /* / | /* / | /* / | |
| A-2 | Format data storage media | Essential System Administration | /* / | /* / | /* / | |
| A-3 | Partition data storage media | Essential System Administration | /* / | /* / | /* / | |
| A-4 | Create file systems | Essential System Administration | /* / | /* / | /* / | |
| A-5 | Modify file systems | Essential System Administration | /* / | /* / | /* / | |
| A-6 | Mount/unmount file systems | Essential System Administration | /* / | /* / | /* / | |
| A-7 | Share file systems | Essential System Administration | /* / | /* / | /* / | |

C.16 Utilize SCSI's, CD-ROM, DAT Tape Drives, Floppy, removable disk drives in network operations.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|--|---------------------------------|---------|----------|-----------|----------|
| A-1 | Determine the type of operation system | Essential System Administration | /* / | /* / | /* / | |
| A-2 | Format data storage media | Essential System Administration | /* / | /* / | /* / | |
| A-3 | Partition data storage media | Essential System Administration | /* / | /* / | /* / | |
| A-4 | Create file systems | Essential System Administration | /* / | /* / | /* / | |
| A-5 | Modify file systems | Essential System Administration | /* / | /* / | /* / | |
| A-6 | Mount/unmount file systems | Essential System Administration | /* / | /* / | /* / | |
| A-7 | Share file systems | Essential System Administration | /* / | /* / | /* / | |

INDIVIDUAL QUALIFICATION RECORD
AVIATION METEOROLOGICAL EQUIPMENT TECHNICIAN (MOS 6493)

D. COMBAT/FIELD SKILLS

D.1 Deploy and prepare meteorological equipment for operation.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|--|----------------|---------|----------|-----------|----------|
| A-1 | Review Operations Order | Local OpOrder | | / * / | / * / | |
| A-2 | Unpack and install peripheral equipment | System Techman | | / * / | / * / | |
| A-3 | Position and activate remote sensor suites | System Techman | | / * / | / * / | |
| A-4 | Connect power source to shelter | System Techman | | / * / | / * / | |
| A-5 | Camouflage as required | System Techman | | / * / | / * / | |
| A-6 | Review and authenticate deployment checklist | Local OpOrder | | / * / | / * / | |

D.2 Establish and maintain functional and physical interfaces between all meteorological equipment, including COMSEC equipment.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|---|----------------|---------|----------|-----------|----------|
| A-1 | Connect cabling to peripheral equipment | System Techman | | / * / | / * / | |
| A-2 | Install cryptographic equipment as required | System Techman | | / * / | / * / | |
| A-3 | Apply electrical power | System Techman | | / * / | / * / | |
| A-4 | Conduct pre-operational check | System Techman | | / * / | / * / | |
| A-5 | Key COMSEC equipment | System Techman | | / * / | / * / | |
| A-6 | Perform functional check of all subsystems | System Techman | | / * / | / * / | |

D.3 Dismantle and stow deployed meteorological equipment.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|--|-------------------|---------|----------|-----------|----------|
| A-1 | Power down system and disconnect power | Post Op checklist | | / * / | / * / | |
| A-2 | Dismantle/disconnect all deployed meteorological equipment | Post Op checklist | | / * / | / * / | |
| A-3 | Stow and secure all equipment | Post Op checklist | | / * / | / * / | |
| A-4 | Secure METMF and prepare for transportation | Post Op checklist | | / * / | / * / | |

D.4 Operate 30 and 60kw generator.

| TASK | TASK DESCRIPTION | REFERENCE | LEVEL I | LEVEL II | LEVEL III | LEVEL IV |
|------|--------------------------------|----------------------------|---------|----------|-----------|----------|
| A-1 | Conduct pre-operational check | Equipment Operators Manual | / * / | | / * / | |
| A-2 | Operate generator | Equipment Operators Manual | / * / | | / * / | |
| A-3 | Conduct post-operational check | Equipment Operators Manual | / * / | | / * / | |

ITSS (MATMEP)

APPENDIX A

INDIVIDUAL EXPERIENCE DATA SHEET

| FORMAL SCHOOLS | | UNIT EXPERIENCE DATA | | | |
|----------------|------|----------------------|------|--------|--------------|
| SCHOOL NAME | DATE | UNIT | SHOP | BILLET | FROM/TO DATE |
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COMMENTS :

ITSS (MATMEP)

APPENDIX C

WORK CENTER SUMMARY
AVIATION METEOROLOGICAL EQUIPMENT TECHNICIAN (MOS 6493)

WORK CENTER NAME/NUMBER _____

| NAME / MOS | Level | A.1 | A.2 | A.3 | A.4 | B.1 | B.2 | B.3 | B.4 | B.5 | B.6 | B.7 | B.8 | B.9 | B.10 |
|------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
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ITSS (MATMEP)

APPENDIX C

| Level | B.11 | B.12 | B.13 | C.1 | C.2 | C.3 | C.4 | C.5 | C.6 | C.7 | C.8 | C.9 | C.10 | C.11 | C.12 | C.13 | C.14 | C.15 | C.16 | D.1 |
|-------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|-----|
| II | | | | | | | | | | | | | | | | | | | | |
| III | | | | | | | | | | | | | | | | | | | | |
| IV | | | | | | | | | | | | | | | | | | | | |
| II | | | | | | | | | | | | | | | | | | | | |
| III | | | | | | | | | | | | | | | | | | | | |
| IV | | | | | | | | | | | | | | | | | | | | |
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| III | | | | | | | | | | | | | | | | | | | | |
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| III | | | | | | | | | | | | | | | | | | | | |
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NAME/SSN: _____

RANK: _____

MOS: _____

DATE: May 2003

ITSS (MATMEP)

APPENDIX C

| Level | D.2 | D.3 | D.4 |
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