

Report Date: 01 Apr 2015

**Summary Report for Individual Task
113-25P-1002
Troubleshoot Network Failures using Internet Protocol (IP) Based Network Management System
Status: Approved**

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD6 - This product/publication has been reviewed by the product developers in coordination with the installation/activity name foreign disclosure authority. This product is releasable to students from foreign countries on a case-by-case basis.

Condition: In an operational environment, given: 1. Pentium Class Server. 2. Functioning LAN. 3. Large Screen TV (or projector). 4. Supporting computers with remote keyboard. 5. Supporting PowerPoint presentation. 6. Network management software. 7. RJ-45 connectors. 8. Operational Communications Network. 9. Hand tools. 10. Crimpers. 11. Test equipment. 12. Specialized tools. 13. Printer. 14. AIS Plan. 15. Applicable publications. 16. COTS H/S Documentation. 17. Local Command Directives. 18. Unit OPLAN. 19. Unit OPOD. 20. Unit SOP. NOTE: Equivalent tools and test equipment may be substituted for those listed above. This task should not be trained in MOPP 4.

Standard: Troubleshoot correctly 3 out of 4 Network failures using network management software.

Special Condition: None

Safety Risk: Low

MOPP 4: Never

Task Statements

Cue: None

DANGER
None

WARNING
None

CAUTION
None

Remarks: None

Notes: What'sUp Gold network management software is used in place of CISCO Works network management software.

Performance Steps

1. Perform daily review of operational capabilities of LAN IAW mission plan.
 - a. Review network type for adequacy.
 - b. Review assigned Internet Protocol (IP) addressing for changes.
 - c. Review required resources for changes/updates.
2. Review resources for changes/updates.
3. Ensure connection of all hardware/peripherals in network.
 - a. Ensure stipulated equipment is placed IAW site map.
 - b. Ensure all hardware/peripherals are connected IAW site map.
4. Verify functionality of PC systems.
 - a. Ensure that appropriate Operating System (OS) and network software are installed.
 - b. Ensure network software is operational.
5. Ensure assigned IP address to each system is updated.
6. Ensure test of connectivity (such as ping).
7. Ensure user profiles are set up IAW SOI/Unit SOP.
8. Ensure test of connectivity (such as ping) is complete.
9. Ensure operational check is performed.
 - a. Ensure a test message is sent to all addressees.
 - b. Ensure an acknowledgement is received from all addressees.
10. Ensure fault(s) are located.
 - a. Ensure NIC card diagnostic software is performed.
 - b. Ensure network configuration settings on the computer are checked.
11. Ensure fault(s) are corrected.
12. Ensure fault correction procedures are recorded.
13. Ensure LAN is tested for full operation.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the Soldier GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

Evaluation Preparation:

Provide the Soldier with all material and equipment listed in the condition statement.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Performed daily review of operational capabilities of LAN IAW mission plan.			
a. Reviewed network type for adequacy.			
b. Reviewed assigned IP addressing for changes.			
c. Reviewed required resources for changes/updates.			
2. Reviewed resources for changes/updates.			
3. Ensured connection of all hardware/peripherals in network.			
a. Ensured stipulated equipment was placed IAW site map.			
b. Ensured all hardware/peripherals were connected IAW site map.			
4. Verified functionality of PC systems.			
a. Ensured that appropriate OS and network software were installed.			
b. Ensured network software was operational.			
5. Ensured assigned IP address to each system was updated.			
6. Ensured test of connectivity (such as ping).			
7. Ensured user profiles were set up IAW SOI/Unit SOP.			
8. Ensured test of connectivity (such as ping) was complete.			
9. Ensured operational check was performed.			
a. Ensured a test message was sent to all addressees.			
b. Ensured an acknowledgement was received from all addressees.			
10. Ensured fault(s) were located.			
a. Ensured NIC card diagnostic software was performed.			
b. Ensured network configuration settings on the computer were checked.			
11. Ensured fault(s) were corrected.			
12. Ensured fault correction procedures were recorded.			
13. Ensured LAN was tested for full operation.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	AIS PLAN	Automated Information System (AIS) Plan	Yes	No
	APPLICABLE PUBLICATIONS	Applicable Publications	Yes	No
	COTS H/S DOCUMENTATION	Commercial Off-the-Shelf (COTS) Hardware and Software (H/S) Documentation	Yes	No
	LOCAL CMD DIR	Local Command (CMD) Directives (DIR)	Yes	No
	UNIT OPLAN	Unit/Unit's Operation Plan (OPLAN)	Yes	No
	UNIT OPORD	Unit/Unit's Operation Order (OPORD)	Yes	No
	UNIT SOP	Unit / Unit's Standard Operating Procedure SOP	Yes	No

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK

ASSESSMENT. Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects.

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. Everyone is responsible for safety. A thorough risk assessment must be completed prior to every mission or operation.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks : None

ICTL Data :

ICTL Title	Personnel Type	MOS Data
25P Skill Level 1 ICTL	Enlisted	MOS: 25P, Skill Level: SL1