

Report Date: 25 Apr 2014

**Summary Report for Individual Task
441-096-1075
Operate an MEP-805A 30kw Generator Set
Status: Approved**

DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

DESTRUCTION NOTICE: None

Condition: You are given a MEP-805A 30 kw generator set with the operator's manual and/or the applicable equipment technical manual (TM) and Department of the Army (DA) Form 5988-E (Equipment Inspection Maintenance Worksheet). Some iterations of this task should be performed in MOPP 4.

Standard: Operate a MEP-805A 30kw Generator Set IAW
TM 9-6115-644-10

Special Condition: None

Safety Level: Low

MOPP: Sometimes

Task Statements

Cue: You have been directed to operate an MEP-805A 30kw Generator Set.

DANGER

None

WARNING

None

CAUTION

None

Remarks: None

Notes: All required Air Defense specific references and technical manuals will be provided by the local Air Defense Command.

Performance Steps

WARNING

High voltage is produced when the generator set is in operation. DO NOT touch live voltage connections. Never attempt to connect or disconnect load cables or paralleling cables while the generator set is running. Failure to comply with this warning can cause injury or death to personnel.

1. Rotate MASTER Switch to Start.

Note: If generator set is to be operated in parallel with another unit, refer to Parallel Unit Operation (Load Sharing in this work package).

2. In cold weather conditions, push ETHER switch to ON position as required, until engine accelerates to governed speed.

3. Hold MASTER SWITCH in START position until oil pressure reaches at least 25 psi (172 kPa), voltage has increased to its approximate rated value, and engine has reached stable operating speed.

4. Release MASTER SWITCH to PRIME & RUN position.

5. If operating with an auxiliary fuel source, rotate MASTER SWITCH to PRIME & RUN AUX FUEL position.

6. Check COOLANT TEMP [170-200 °F (77-93 °C)] and OIL PRESSURE [25-60 psi (172-414 kPa)] indicators for normal readings.

7. Turn VOLTAGE and FREQUENCY adjust potentiometers to required values for voltage and frequency.

8. Press GROUND FAULT CIRCUIT INTERRUPTER TEST pushbutton. Ensure indicator window is clear. Press RESET pushbutton and ensure indicator is red.

9. Place AC CIRCUIT INTERRUPTER switch to CLOSED position.

10. Ensure voltage and frequency are still at rated values. Adjust if necessary.

11. Rotate VM-AM transfer switch to each phase position while observing ammeter (PERCENT RATED CURRENT). If more than rated load is indicated in any phase, reduce load.

12. Check kilowattmeter (PERCENT POWER). If indication is more than 100 percent rated load, reduce load.

13. Perform all DURING (D) OPERATION PMCS requirements in accordance with WP 0011, Table 1.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the soldier GO if all steps are passed (P). Score the soldier NO-GO if any step is failed (F). If the soldier fails any step, show the soldier what he did wrong and how to do it correctly."

Evaluation Preparation: Setup: Ensure that all information, references, and equipment required to perform the task are available. Use the performance measures and the references to score the Soldier's performance. Brief the Soldier. Tell the Soldier what he is required to do IAW the task conditions and standards.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Rotated MASTER SWITCH to START position.			
2. In cold weather conditions, pushed ETHER switch to ON position as required, until engine accelerates to governed speed.			
3. Held MASTER SWITCH in START position until oil pressure reaches at least 25 psi (172 kPa), voltage has increased to its approximate rated value, and engine has reached stable operating speed.			
4. Released MASTER SWITCH to PRIME & RUN position.			
5. If operating with an auxiliary fuel source, rotated MASTER SWITCH to PRIME & RUN AUX FUEL position.			
6. Checked COOLANT TEMP [170-200 °F (77-93 °C)] and OIL PRESSURE [25-60 psi (172-414 kPa)] indicators for normal readings.			
7. Turned VOLTAGE and FREQUENCY adjust potentiometers to required values for voltage and frequency.			
8. Pressed GROUND FAULT CIRCUIT INTERRUPTER TEST push button. Ensured indicator window is clear. Pressed RESET pushbutton and ensure indicator is red.			
9. Placed AC CIRCUIT INTERRUPTER switch to CLOSED position.			
10. Ensured voltage and frequency are still at rated values. Adjust if necessary.			
11. Rotated VM-AM transfer switch to each phase position while observing ammeter (PERCENT RATED CURRENT). If more than rated load is indicated in any phase, reduce load.			
12. Checked kilowattmeter (PERCENT POWER). If indication is more than 100 percent rated load, reduce load.			
13. Performed all DURING (D) OPERATION PMCS requirements in accordance with WP 0011, Table 1.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	DA FORM 5988-E	Equipment Inspection Maintenance Worksheet	Yes	No
	TM 9-6115-644-10	Operator's Manual for Generator Set, Skid Mounted, Tactical Quiet 30 KW, 50/60 and 400 HZ MEP-805A (50/60 HZ), MEP-815A (400 HZ) {TO 35C2-3-446-11; TM 09249A/09246A-10/1} (Reprinted W/Basic Incl C1-2) (This item is included on EM 0086)	No	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.

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET 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. Ensure you follow the safety precautions outlined in the applicable TM.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks : None

ICTL Data :

ICTL Title	Personnel Type	MOS Data
MOS 14G - Air Defense (AD) Battle Management System Operator - SL1	Enlisted	MOS: 14G, Skill Level: SL1, Duty Pos: DQG