

EQUIPMENT SERVICEABILITY CRITERIA
FOR
GENERATOR SET, GAS TURBINE ENGINE
30-KW, AC, 120/208-V, 3-PHASE, 400-HZ, SKID-MTD,
WINTERIZED, AIRESEARCH MDL GTGE 70-2, FSN 6115-849-6030;
45-KW, AC, 120/208, 240/416-V, 3-PHASE, 4-WIRE, 400-HZ
SKID-MTD, WINTERIZED AIRESEARCH MDL GTGE
70-6-1, FSN 6115-075-1639; AND
60-KW, AC, 120/208, 240/416-V, 3-PHASE, 4-WIRE
400-HZ, SKID-MTD, WINTERIZED, AIRESEARCH MDL
GTGE 70-9-2, FSN 6115-758-5492

Headquarters, Department of the Army, Washington, D.C., 15 June 1973

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*This manual supersedes TM 5-6100-223-ESC, 21 May 1969.

Section I. INSTRUCTIONS

1. Purpose. This manual furnishes the user a procedure for evaluating the readiness condition of the equipment to perform its primary mission for 90 days with normal maintenance support. Application of this procedure does not eliminate or reduce the requirement for prescribed maintenance service on the equipment and does not authorize replacement of components.

2. Definitions. *a. Equipment Category GREEN.* Equipment free of any condition that would limit the reliable performance of its primary mission for a period of 90 days of operation.

b. Equipment Category AMBER. Operationally ready equipment that possesses a limiting factor(s) which may curtail a reliable performance of its primary mission for a period of 90 days of operation.

c. Equipment Category RED. Equipment unable to perform its primary mission immediately or possessing an unacceptable reliability for sustained performance (90 days) of its primary mission.

3. General Instructions. *a.* This technical manual, unless classified, will be filed with the equipment log book.

NOTE

Preventive maintenance checks and services and troubleshooting tables in the applicable TM 5 manual are to be used in conjunction with this TM when performing the evaluation. Also the applicable LO 5 is required.

b. This evaluation will actually be performed on the item(s) being rated by the operator/crew.

c. Equipment serviceability criteria items covered in this manual,

but not authorized to the evaluating organization, will not be rated.

d. Authorized items not on hand will be given the lowest color rating authorized for that item.

e. This equipment is rated on the basis of capability for immediate operation and amount of wear life remaining on the components. The rating is not meaningful unless each check is made with the utmost care and accuracy.

f. Record the evaluation results on DA Form 2404, Equipment Inspection and Maintenance Worksheet, using a separate sheet for each multiple-aspect equipment, subsystem, and/or component, including those evaluated by separately published equipment serviceability criteria technical manuals. The blocks will be completed as shown below:

(1) *Block 1.* Insert the organizational designation of the unit performing the evaluation.

(2) *Block 2.* Insert the item name and model.

(3) *Block 3.* Insert the Federal stock number.

(4) *Block 4.* Insert the hours the equipment has been operated as of the date of the evaluation.

(5) *Block 5.* Insert the standard six-digit calendar date that the equipment serviceability criteria evaluation is performed. (Example: 3 January 1969 would be 690103.)

(6) *Block 6.* Insert the letters ESC.

(7) *Block 7.* Insert the equipment serviceability criteria technical manual number and its date of issue.

(8) *Column a.* Insert the checkpoint item number.