GROUND FAULT PROTECTION SUBSYSTEM CHECKLIST FOR NEW FACILITIES

For use of this form, see TM 5-690; the proponent agency is COE.

1. FACILITY	2. DATE *(YYYYMMDD)*
3. LOCATION	4. INSPECTOR

5. SKETCH THE LAYOUT OF THE ACTUAL ELECTRICAL GROUND FAULT PROTECTION SUBSYSTEM. IF AN ENGINEERING DRAWING EXISTS, UPDATE IT WITH THE ACTUAL DATA. THIS SHOULD INCLUDE ALL GROUNDED *(Neutral)* AND GROUNDING (Green) CIRCUITS FROM THE MAIN INPUTS *(Feeding the facility)* TO THE LOAD CIRCUITS.

6. CHECK ALL GROUNDED CIRCUITS FOR PROPER INSTALLATION, CONTINUITY, AND CORRECT TYPES, SIZES, AND MATERIAL AS SPECIFIED. RECORD ALL DEFICIENCIES.

LOCATION	DEFICIENCIES

7. CHECK ALL ELECTRICAL GROUND FAULT PROTECTION COMPONENTS/DEVICES FOR SIGNS OF OVERHEATING, BURNING, RODENT, WATER INFILTRATION, ENVIRONMENTAL CONTAMINANTS, AND INSULATION DAMAGE. RECORD ALL UNDESIRABLE SITUATIONS.

LOCATION	DAMAGE

8. DETERMINE AND RECORD CONNECTION TO EARTH ELECTRODE SUBSYSTEM

LOCATION	CONNECTIONS	CONDUCTOR SIZES

9. MEASURE AND RECORD THE NEUTRAL AND GROUND CURRENTS AT ALL PANEL BOARDS

LOCATION	CURRENT READING	NOTES