

EARTH GROUND ELECTRODE 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. SOIL RESISTIVITY (<i>ohm-cm</i>) (<i>Obtain from site survey or from the measured resistance of a rod or group of rods</i>) | 6. RESISTANCE OF COMPLETED EARTH ELECTRODE SUBSYSTEM (<i>ohms</i>) |

7. SKETCH OF FINAL EARTH ELECTRODE SUBSYSTEM (*Show dimensions, locations of other buried metal objects, risers for lightning, power, or signal ground connections, and any ground wells.*) (*Corrected engineering drawings may be attached in lieu of sketch.*)

COMPONENT IDENTIFICATION

| | | |
|---|---|---|
| 8. GROUND RODS | | |
| 8a. TYPE | 8b. SIZE | 8c. NUMBER OF ADDITIONAL RODS |
| 8d. POSITIONED AND INSTALLED AS SPECIFIED <input type="checkbox"/> YES <input type="checkbox"/> NO | | 8e. PHYSICAL CONDITION |
| 9. GROUND CONDUCTORS | | |
| 9a. TYPE | 9b. SIZE | 9c. MATERIAL |
| 9d. DISTANCE BETWEEN TWO SUCCESSIVE GROUND CONDUCTORS | | 9e. BURIED DEPTH |
| 10. INTERCONNECTING CONDUCTORS | | |
| 10a. TYPE | 10b. SIZE | 10c. MATERIAL |
| 11. CONNECTORS/FITTINGS | | |
| 11a. PROPER TYPE/SIZE/MATERIAL AS SPECIFIED <input type="checkbox"/> YES <input type="checkbox"/> NO | | 11b. MEASUREMENT OF RESISTANCE BETWEEN TWO CONNECTION POINTS |
| 12. RISERS | | |
| 12a. PROPERLY INSTALLED <input type="checkbox"/> YES <input type="checkbox"/> NO | 12b. PROPERLY SIZED <input type="checkbox"/> YES <input type="checkbox"/> NO | 12c. LOCATED AS SPECIFIED <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 13. FUTURE INACCESSIBLE JOINTS AND CONNECTIONS | | |
| 13a. PROPERLY INSTALLED <input type="checkbox"/> YES <input type="checkbox"/> NO | | 13b. PROPERLY CONNECTED <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 14. GROUND WELLS | | |
| 14a. INSTALLED AS SPECIFIED <input type="checkbox"/> YES <input type="checkbox"/> NO | | 14b. MEASURED RESISTANCE-TO-EARTH (<i>ohms</i>) |