

## TRANSFORMER INSPECTION CHECKLIST

For use of this form see TM 5-694; the proponent agency is COE.

### SECTION A - CUSTOMER DATA

1. PLANT/BUILDING	2. LOCATION	3. JOB NUMBER
4. EQUIPMENT	5. CIRCUIT DESIGNATION	6. DATE (YYYYMMDD)
7. TEST EQUIPMENT TYPE/BRAND AND CALIBRATION DATE		8. TESTED BY

### SECTION B - EQUIPMENT DATA

9. MANUFACTURER	10. STYLES/S.O.	11. VOLTAGE RATING	12. CURRENT RATING
13. WET BULB TEMPERATURE	14. DRY BULB TEMPERATURE	15. ENCLOSURE TYPE	16. FREQUENCY

### SECTION C - VISUAL AND ELECTRICAL/MECHANICAL INSPECTION

17. CHECK POINT	COND*	NOTES	CHECK POINT	COND*	NOTES
EXTERIOR OF EQUIPMENT			PROPER PHASE CONNECTION AND COLOR CODE		
COMPLETENESS OF ASSEMBLY			HAZARDOUS LOCATION		
PROPER GROUNDING			WORKING CLEARANCE		
CONDITION OF INSULATION			ANCHORAGE		
TIGHTNESS OF BOLTED CONNECTIONS			REFERENCE DRAWINGS		
SEALS AND OIL LEVELS			TURNS RATIO MEASUREMENTS		
WINDING CONFIGURATION			AUXILIARY DEVICE OPERATION		

### SECTION D - ELECTRICAL TESTS

18. INSULATION RESISTANCE	A-GRD	B-GRD	C-GRD	A-B	B-C	C-A
@ V						
POLARIZATION INDEX						
TURNS RATIO TEST						
POWER FACTOR						
PROPER VOLTAGE						

19. NOTES:

1. PERFORM GROUND RESISTANCE TESTS PRIOR TO ENERGIZING EQUIPMENT.
2. GROUND RESISTANCE TESTS MUST BE PERFORMED IN DRY CONDITIONS AND SHALL BE PERFORMED 48 HOURS AFTER RAINFALL.

\*CONDITION: A=ACCEPTABLE; R=NEEDS REPAIR, REPLACEMENT OR ADJUSTMENT; C=CORRECTED; NA=NOT APPLICABLE