ENGINE GENERATOR SET INSPECTION CHECKLIST For use of this form see TM 5-694; the proponent agency is COE.														
		S	ECT	FION A - C	USTO	MER DATA								
1. PLANT/BUILDING 2. LOCATION						3. JOB NUMBER								
4. EQUIPMENT 5. CIRCUIT DESIGNAT						TION 6. DATE (YYYYM				MMDL	1MDD)			
7. TEST EQUIPMENT TYPE/BRAND AND CALIBRATION DATE								8. TESTED	BY					
SECTION B - EQUIPMENT DATA														
9. MANUFACTURER 10.	11. VOLTAGE RATING     12. kW RATING													
13. CIRCUIT BREAKER SIZE/INTERRUPTING RATING						14. WET BULB TEMPERATURE     15. DRY BULB TEMPERATURE							RATURE	
SECTION C - VISUAL AND ELECTRICAL/MECHANICAL INSPECTION														
16. CHECK POINT	(	COND*	1	NOTES							NOTES			
EXTERIOR OF EQUIPMENT					EQUIPMENT IDENTIFICATION									
COMPLETENESS OF ASSEMBLY					BRACING									
EQUIPMENT ROTATION				PROPER PHASE CONNECTIONS										
CHECK OIL LEVEL				REFERENCE DRAWINGS										
CHECK FUEL LEVEL				WORKING CLEARANCE										
PROPER EQUIPMENT GROUNDING				ANCHORAGE										
CHECK METERS/GAUGES				ALL FILTERS AND VENTS CLEAR										
TIGHTNESS OF BOLTED CONNECTIONS				CHECK EQUIPMENT ENVIRONMENTAL CLASSIFICATION										
VERIFY GOVERNOR AND REGULATOR					CK FOR PROV FAINER	VISION	S OF SPILL							
CHECK VIBRATION				CONTROL SYSTEM										
CHECK BATTERIES						CHECK FUEL FILTER								
CHECK RADIATOR FLUID					CHECK ALARM INDICATORS: PROPER COLOR FOR EACH FUNCTION									
PROPER SYSTEM GROUND														
		CTI			CAL TESTS									
7. INSULATION RESISTANCE @ V		A-GRD		B-GR	D	C-GRD		A-B	+		B-C		C-A	
POLARIZATION INDEX									+					
RATIO = 10 MINUTE/1 MINUTE DC OVERPOTENTIAL TEST									-+					
@ V														
<ul> <li>18. NOTES</li> <li>1. PERFORM 5 MEASUREMENTS AT ONE MINUTE INTERVALS.</li> <li>2. DC HIPOT MEASUREMENTS SHOULD BEGIN AT 20% OF MAXIMUM TEST VOLTAGE AND INCREASE IN EQUAL INTERVALS.</li> <li>MAX DC TEST VOLTAGE = R (2 x NAMEPLATE RATING) x 1.6 WHERE R = .8 FOR DC TEST ON INSTALLATION WHERE R = .6 FOR DC TEST AFTER SERVICE</li> </ul>														
(TEST MEASUREMENTS SHOULD NOT EXCEED MANUFACTURER'S RECOMMENDATION)														

	SECTION D - ELECTRICAL TESTS (Continued)													
<sup>19.</sup> МЕ	ASUREMENT DESC					TAGE ANI	O CURRENT MEASUREMENTS							
			A-N B-N		VOLTAGE** C-N A-B		B-C	C-A	A B		CURRENT**		G	
				D-IN			D-C	0-7	~					
20. LOAI	D TESTS AS A PERC	CENTAGE OF G	ENERAT	OR RATI	NG	-	1			I				
		75 %		100	) %	110% (PRIME ENGINE ONLY)								
A-N														
B-N														
C-N														
A-B														
B-C														
C-A														
A														
В														
С														
N														
G														
21. NOTES 1. VOLTAGE MEASUREMENT TO BE MADE AFTER GENERATOR IS STARTED AND CONNECTED TO LOAD (CAN USE LOAD BANK).														
2. DURING COMMISSIONING OF GENERATOR SETS OR ANY EQUIPMENT, A REPRESENTATIVE OF THE MANUFACTURING COMPANY OR SUPPLIER MUST BE PRESENT TO WITNESS AND/OR PERFORM THE TESTS.														
3. ENGINE GENERATOR TESTING IS A VERY INTENSIVE PROCESS AND REQUIRES A 10 TO 14 HOUR DAY DEPENDING ON THE EQUIPMENT BEING COMMISSIONED. SUPPLIER/MANUFACTURER NORMALLY SUPPLY GENERATOR TESTING LOAD REQUIREMENTS.														
4. VERIFY ALL SYSTEM CHECK POINTS DURING LOAD CHANGES AND RECORD PER SPECIFIED REQUIREMENTS AND/OR EQUIPMENT MANUFACTURER.														
5. PERFORM AND RECORD ENGINE MANUFACTURER'S RECOMMENDED CHECKS AND INSPECTIONS.														
*CONDIT	ION: A=ACCEPTABI	LE: R=NEEDS R	EPAIR. F	REPLACE	MENT	OR ADJU	STMENT:	C=CORF	RECTED: N	IA=NOT AF	PLICABLE	Ē		