Sats GATEWAY			SATS MAINTENANCE CENTRE Ground Power Unit (TLD 4000 series)					
					NTENANCE CHECKLIST			
Equipmo	ent No. :				JOB No. :			
Hourme	ter Reading :				Date :			
	ical Checks By :				S/No.:	Sign:		
	I Checks By :				S/No. :	Sign:		
Tested E					S/No.:	Sign:		
	SYSTEM / SERVICE		Α	С	Service Instruction	Remarks		
1	ENGINE	Change and ton un ITIII I mont						
	Engine oil	Change and top up 'FULL' mark.						
1.2	Engine oil filter	Replace filter			Danlage if page and			
1.3	Air cleaner	Clean the element and examine.			Replace if necessary Replace every 500hrs			
1.4	Fuel water separator	Drain and replace filter element.			, ,			
1.5	Fuel filter	Replace filter			Replace every 500hrs			
1.6	Fuel lines	Inspect for leakages.						
1.7	Fuel pump	Examine and ensure security.						
1.8	Fuel hoses & clips	Check for leakage & security						
1.9	Fan hub and drive pulley	Examine and ensure security.						
1.10	Fan guard	Examine and ensure security.						
1.11	Belts	Examine for wear and tension.						
1.12	Radiator Core	Clean.						
1.13	Radiator	Drain and replace coolant.			Replace coolant every 2 years			
	Radiator Cap	Examine and ensure security.						
	Water pump	Examine.						
1.16	Water hoses & clips	Check for leakage & security						
1.17	Alternator	Examine and ensure security.						
1.18	Starter motor	Examine and ensure security.						
1.19	Exhaust system	Examine.						
	Emergency shut down	Test.						
1.21	Vibration damper	Examine signs of deterioration.						
1.22	Charge-Air-Cooler pipe and hose	Check for leakage, cracks & security Examine and ensure no dirt or debris						
1.23	Charge-Air-Cooler	blocking the fins.						
	Engine and Generator mounting	Examine for deterioration andsecurity						
2	BATTERY		1 1					
	Battery	Check Voltage.(charge if necessary)						
2.2	Battery Terminal	Examine and clean.						
2.3	Battery cables	Examine signs of deterioration and exposed wires. Replace as neccesary.						
3	GENERATOR / ELECTRICAL SYSTE	EM						
3.1	Panel lightings and other lightings	Ensure serviceability.						
3.2	Unit operation and low fuel beacons	Ensure serviceability.						
3.3	Chassis	Corrosion treatment and touch up painting.						
3.4	Control panel and panel door.	Examine.						
3.5	Cable plug connections / cables	Check cuts, crack and abrasion / Check operation (repace as necessary)						
		Examine contact rings for exposure/wear/abrasion /damage.						
0.0	NATO plug AC soble	Check socket contacts for looseness.						
3.6	NATO plug AC cable	Examine cable for damage insulation.						
		Check for worn or bent pin						
		Examine contact rings for						
	NATO 1 DO 11	exposure/wear/abrasion /damage.						
3.7	NATO plug DC cable (Only applies to certain models)	Check socket contacts for looseness.						
	(3) ====30 (0 00.10111 11100010)	Examine cable for damage insulation.						
		Check for worn or bent pin						

S/n	SYSTEM / SERVICE			Α	С	Service Instruction	Remarks
3.8	Gauges	Ensure serviceability and Dan	nage				
3.9	Protective Monitoring Circuits	Ensure serviceability and Dan	nage				
3.10	Wiring and connections	Check for loose connections,					
4	FRONT WHEEL	deterioration and exposed wir	es.				
4.1	Tyre L / H	Check wear (replace if neces	ean/\				
4.1	Tyre R / H	Check wear (replace if neces					
4.2	Rims	Check condition.	sary)				
4.3	Tyres pressure	Check and inflate correct pres	curo				
4.4	Wheel studs and nuts		ssure.				
4.5		Check and tighten. Lubricate.					
4.6	Brake linkage Brake system	Service and check for effectiv	onocc				
4.7	Brake cables	Lubricate.	eness.				
4.0			٨				
	Wheel bearings	Examine (replace if necessary	/)				
4.10	Tongue hinge	Lubricate.					
5	REAR WHEEL	Oh I / I 'f					
5.1	Tyre L / H	Check wear (replace if neces					
5.2	Tyre R / H	Check wear (replace if neces	sary)				
5.3	Rims	Check condition.					
5.4	Tyres pressure	Check and inflate correct pres	ssure.				
5.5	Wheel studs and nuts	Check and tighten.	`				
5.6	Wheel bearings	Examine (replace if necessary	/)				
6	BODYWORK / STRUCTURE	<u> </u>		1	ı		
6.2	Dent/ accident	Examine.					
6.3	Structural crack (external)	Examine.	L				
6.4	Body and paint work	Corrosion treatment and toucl painting.	n up				
6.5	Fire Extinguisher Expiry Date						
7	FUNCTIONAL CHECK						
7.1	Engine meters	Ensure all meters are funtiona	al.				
7.2	E-F bypass system	Ensure the E-F bypass is fund	tional.				
7.3	Output voltage	Ensure it is set at 115 VAC +/	- 1				
7.4	Output voltage	Ensure it is set at 24 VDC				Only applies to certain models	
7.5	Operation Test	Physical and funtional check					
7.6	Load test	Perform a full load test.					
8	FOD CHECK						
8.1	Examine and ensure unit is free of FC)D					
8.2	Overall cleaniness						
9	REMARKS:						
SERVICE	D BY:		SERVICED BY	/:			
CICNI			CICNI	_			-
SIGN	; 		SIGN :	_			
NAME	:		NAME :	_			ļ
DATE	:		DATE :	_			}
<u>-</u>							
							-
	•		<u> </u>	-			<u> </u>
	SWITCH OFF ENGI	NE WHEN COMPLETED ALL NECESSA	ARY REPAIRS.				
I							

SATS MAINTENANCE CENTRE Aircraft towbar						
		PREVENTI		INTENANCE CHECKLIST		
Equipm	ent No. :			JOB No. :		
Hourme	eter Reading :			Date :		
Mechar	nical Checks By :			S/No. :	Sign:	
Electric	al Checks By :			S/No.:	Sign:	
Tested	Ву:			S/No.:	Sign:	
S/N	Item Description	Α	Servi	ce instruction		
	TOW BAR ASSEMBLY					
1	Tow eye		Towin	g eye to round and not dent	ed or flatten	
2	Landing gear locking mechanism		Check	mechanism for damage/wo	orn part	
3	Shear bolt/pin		Missir	ng /bent		
4	Hydraulic pump assembly		Check	for leak, release valve wor	n	
5	Hydraulic cylinder, linkage		Check	for leak, linkages free play		
6	Hydraulic hoses		Abras	ion on hose, rust on hydraul	ic fitting	
7	Hydraulic oil		Check	coil level in reservoir		
8	Check operation of hand pump					
9	Torque fastening, locking bolts					
10	Lubricate locking machanism					
	WHEEL ASSEMBLY					
1	Wheel hub bearings		To ch	eck every monthly servicing	1	
2	Check tyre pressure		Check	tyre pressure (40 PSI) every PM		
3	Tyre condition					
	BODYWORK / STRUCTURE					
1	Overall cleaniness					
2	Dent/ accident					
3	Structural crack, rust		Check	for alignment		
4	Touch up					
	GREASING					
1	To grease all grease nipples		To ch	eck every monthly servicing	1	
	REMARKS					

Throw oily rags into proper bins provided in the workshop

				MAINTENANCE CENTRE				
Sats GATEWAY PREVENTI		Air Starter Unit ITIVE MAINTENANCE CHECKLIST						
Equipm	ent No. :	PREVENTIV	L IVIAIIVII	JOB No.		131		
	eter Reading :			Date:	•			
	nical Checks By:			S/No.:				
Electric Tested	al Checks By :			S/No. : S/No. :				
	SYSTEM / SERVI	ICE		5/ NO. :	Sign:	Remark		
5/1161		nce doors for visual inspection				ne		
1	-	oor locking mechanism	Check					
2	Check for debris	(e.g. dust,loose parts)	Remove					
3	Oil and fuel lea	aks	Check					
4	All connection (ocks,cable mountings,bolts)	Check					
5	Inspect turbine	bellows, door seals	Check			repair as necessary		
6	Generator cou	pling	Check					
7	Starter bushes		Check	(
	Refer to worksh	op manual for following checks						
1	Refer to worksh Check bleed a		Check					
1 2		ir hose	Check Check					
	Check bleed a	ir hose						
2	Check bleed a Drain fuel tank Check battery Perform start to	est: check batt. Voltage, speed and	Check					
2	Check bleed a Drain fuel tank Check battery	est: check batt. Voltage, speed and	Check Check					
2	Check bleed a Drain fuel tank Check battery Perform start to	est: check batt. Voltage, speed and art up.	Check Check					
2	Check bleed a Drain fuel tank Check battery Perform start to EGT during sta General (trailer)	est: check batt. Voltage, speed and art up.	Check Check	ıb				
3 4	Check bleed a Drain fuel tank Check battery Perform start to EGT during sta General (trailer)	est: check batt. Voltage, speed and art up. able at lubricator nipples	Check Check Check	ηρ				
2 3 4	Check bleed a Drain fuel tank Check battery Perform start to EGT during sta General (trailer) Lubricate turnt Tow brake mad Tyre condition/	est: check batt. Voltage, speed and art up. able at lubricator nipples chnism top up air	Check Check Check Check	ıb				
2 3 4 1 2	Check bleed a Drain fuel tank Check battery Perform start to EGT during star General (trailer Lubricate turnto Tow brake mad Tyre condition/ Wheel assemb	est: check batt. Voltage, speed and art up. able at lubricator nipples chnism top up air bly & nuts	Check Check Check Check Check/It Check/It	ıb				
2 3 4 1 2 3	Check bleed a Drain fuel tank Check battery Perform start to EGT during sta General (trailer Lubricate turnt Tow brake mad Tyre condition/ Wheel assemb	est: check batt. Voltage, speed and art up. able at lubricator nipples chnism top up air bly & nuts ing bolt	Check Check Check Check Check/Id Check Check	ıb				
2 3 4 1 2 3 4	Check bleed a Drain fuel tank Check battery Perform start te EGT during sta General (trailer) Lubricate turnt Tow brake mad Tyre condition/ Wheel assemb Inspectaxle fixit	est: check batt. Voltage, speed and art up. bable at lubricator nipples chnism f top up air bly & nuts ing bolt (52 psi)	Check Check Check Check/It Check Check Check Check					
2 3 4 1 2 3 4 5	Check bleed a Drain fuel tank Check battery Perform start to EGT during sta General (trailer Lubricate turnt Tow brake mad Tyre condition/ Wheel assemb	est: check batt. Voltage, speed and art up. bable at lubricator nipples chnism f top up air bly & nuts ing bolt (52 psi)	Check Check Check Check/It Check Check Check Check Check Check					
2 3 4 1 2 3 4 5 6	Check bleed a Drain fuel tank Check battery Perform start te EGT during sta General (trailer) Lubricate turnt Tow brake mad Tyre condition/ Wheel assemb Inspectaxle fixit	est: check batt. Voltage, speed and art up. able at lubricator nipples chnism top up air bly & nuts ing bolt (52 psi) ssis	Check Check Check/Id Check/Id Check Check Check Check Check Check Check					

sats	GATEWAY

SATS MAINTENANCE CENTRE

sats	GATEWAY	Aircondition Unit PREVENTIVE MAINTENANCE CHECKLIST				
		VIIVE IVI				
	ent No. :		JOB No. :			
Hourme	eter Reading :		Date :			
Mechan	nical Checks By :		S/No.: Sign:			
Electrica	al Checks By:		S/No.: Sign:			
Tested I	•		S/No.: Sign:			
S/n	Item Description	Α	Service instructions			
	ENGINE					
1	Engine oil, oil filter		First 100 hrs. and 150hrs. there after			
2	Engine mounting					
3	Engine condition, abnormal noise/smoke					
4	Drain plug & gasket					
5	Exhaust system leak, mounting loose					
6	Air cleaner assembly		Check every 150 hrs.			
7	Alternator, water pump drive belt		Check and adjust every 300hrs.			
	FUEL SYSTEM					
1	Fuel filter/ check		Change every 300hrs.			
2	Sediment bowl/ clean		Check for water contamination			
3	Fuel tank/ cap					
	COOLING SYSTEM					
1	Fan belt, pully					
2	Radiator & expansion tank					
3	Radiator cap, hoses & mounting					
4	Coolant level	<u> </u>				
4	COMPRESSOR, RELATED COMPONENT	S				
1	Power take-off throw out collar		Check every 24 hrs. Apply 2 "shots" of grease			
2	Power take-off shaft bearing		Check every 150hrs. Apply grease			
3 4	Power take-off yoke shaft		Check every 450hrs. Grease			
5	Power take-off linkage V-band drive belt tension and alignment		Check every 450hrs. Lub. with engine oil			
6	Blower bearing		Check filter at 450hrs. Replace pressure drop exceed 3 PSI			
7	Sheave and bearing		Check for alignment and bearing noise			
8	Refrigerant oil filter		Check filter at 450hrs. Replace pressure drop exceed 3 PSI			
9	Check refrigerant level		Chook inter at 400mb. Replace pressure drop exceed 5 f or			
10	Compressor oil pop up indicator					
11	Check sight glass indicator					
12	Filter dried cartridge		Check every 24 mths Lub. With grease			
13	Aircon hose and connectors					
	BODYWORK / STRUCTURE					
1	Tow bar pivot point and linkages		Check every 6 moths lub. With grease			
2	Structural crack (external)					
3	Corrosion		Clean and touch up with primer			
4	Dent/ accident					
5	Body panels					
6	Suspension		Check for broken leave springs			
7	Chassis, crossmember					
8	Under carriage					
	BRAKE & WHEEL					
1	Brake linkages					
2	Brake clearance					
3	Parking brake free play					
4	Wheel assembly, lock nuts					
5	Tyre condition					



sats GATEWAY		SATS MAINTENANCE CENTRE Ground Power Unit - MAK DC (RG6&7)					
		PREV	ENTIVE MAIN	ITENANCE CI	HECKLIST		
Equipment No. : Hourmeter Reading :				JOB No. :			
				Date :			
Mecha	nical Checks By :		S/No.:		Sign:		
Electric	cal Checks By :		S/No.:		Sign:		
Tested	By:		S/No.:		Sign:		
S/N	Item description	Service instruction	500hrs	3000hrs	Remarks/Last change & hours		
1	ENGINE		<u> </u>	L			
1.1	Engine oil	Change and top up 'FULL' mark					
1.2	Engine oil filter	Replace filter					
1.3	Air cleaner	Clean the element and examine (Replace every 1000hrs)					
1.4	Fuel water separator	Drain and replace filter element					
1.5	Fuel filter	Replace filter					
1.6	Pre-filter element	(Replace every 500hrs) Drain water & clean if necessary					
1.7	Fuel lines	Inspect for leakages					
1.8	Fuel pump / Injectors	Examine for leak and ensure security					
		(Service every 6000 hrs) Check for leakage & security					
1.9	Fuel hoses & clips	(Replace every 2000 hrs)					
1.10	Fan hub and drive pulley	Examine and ensure security					
1.11	Fan guard	Examine and ensure security					
1.12	All Drive Belts	Examine for wear and tension (Replace every 2000 hrs)					
1.13	Radiator Core	Clean					
1.14	Radiator	Drain and replace coolant					
1.15	Radiator Cap	(Replace coolant every 2 years) Examine and ensure security					
1.16	Water pump	Examine					
1.17	Water hoses & clips	Check for leakage & security					
1.18	Alternator	Examine and ensure security					
1.19	Starter motor	Examine and ensure security					
1.20	Exhaust Silencer /Pipes	Examine for cracks, damage & security					
1.21	Emergency shut down	Test					
1.22	Vibration damper	Examine signs of deterioration					
1.23	Charge-Air-Cooler pipe and hose	Check for leakage, cracks & security					
1.24	Charge-Air-Cooler	Examine and ensure no dirt or debris blocking the fins					
1.24	Engine and Generator mounting	Examine for deterioration and security					
2	BATTERY						
2.1	Battery	Check Voltage (charge if necessary)					
2.2	Battery Terminal	Examine and clean					
2.3	Battery cables	Examine signs of deterioration and exposed wires Replace as neccesary					
3	GENERATOR / ELECTRICAL SY	/STEM					
3.1	Panel lightings and other lightings	Ensure serviceability					
3.2	Unit operation and low fuel beacons	Ensure serviceability					
3.3	Chassis	Corrosion treatment and touch up painting					
3.4	Control panel and panel door.	Examine					
3.5	Cable plug connections / cables	Check cuts, crack and abrasion / Check operation (replace as necessary)					
		Examine contact rings for exposure/wear/abrasion /damage					
3.6	NATO plug AC cable	Check socket contacts for looseness					
3.6	NATO plug AC cable	Examine cable for damage insulation					

		Check for worn or bent pin		
3.7	Gauges	Ensure serviceability and Damage		
3.8	Protective Monitoring Circuits	Ensure serviceability and Damage		
	Automatic Voltage Regulator			
3.9	(AVR) Electronic Engine Governor	Check for operation		
3.10	(EMR)	Check for operation		
3.11	Wiring and connections	Check for loose connections, signs of deterioration and exposed wires		
3.12	Warning Lights, Switches and Fuse	Ensure serviceability and Damage		
3.13	All Control PCB Cards	Examine for connections & security		
4	FRONT WHEEL			
4.1	Tyre L / H	Check wear (replace if necessary)		
4.2	Tyre R / H	Check wear (replace if necessary)		
4.3	Rims	Check condition		
4.4	Tyres pressure	Check and inflate correct pressure		
4.5	Wheel studs and nuts	Check and tighten		
4.6	Brake linkage	Lubricate		
4.7	Brake system	Service and check for effectiveness		
4.8	Brake cables	Lubricate		
4.9	Wheel bearings	Examine (replace if necessary)		
4.10	Tongue hinge	Lubricate		
5	REAR WHEEL		<u> </u>	
5.1	Tyre L / H	Check wear (replace if necessary)		
5.2	Tyre R / H	Check wear (replace if necessary)		
5.3	Rims	Check condition		
5.4	Tyres pressure	Check and inflate correct pressure		
5.5	Wheel studs and nuts	Check and tighten		
5.6	Wheel bearings	Examine (replace if necessary)		
6	BODYWORK / STRUCTURE			
6.2	Dent/ accident	Examine		
6.3	Structural crack (external)	Examine		
6.4	Body and paint work	Corrosion treatment and touch up painting		
6.5	Fire Extinguisher (Condition & Expiry Date)	Check/Replace		
7	FUNCTIONAL CHECK	1	T T	
7.1	Engine meters	Ensure all meters are funtional		
7.2	E-F bypass system	Ensure the E-F bypass is functional		
7.3	Output voltage	Ensure it is set at 115 VAC +/- 1		
7.4	Operation Test	Physical and funtional check		
7.5	Load test	Perform a full load test		
8	FOD CHECK	4 500		
8.1	Examine and ensure unit is free of	DI FOD		
8.2	Overall cleaniness			
9	REMARKS:			
	OEM - recommended checks f	or 250hrs are carried out during week	ly checks, updated checklist	is kept at work bay.
	SERVICED BY:		SERVICED BY:	
	SIGN:		SIGN:	
	NAME:		NAME :	
	DATE:		DATE:	

sats	GATEWAY

SATS MAINTENANCE CENTRE

sa	GATEWAY	Ground Power Unit - HOBART (RG10-15)					
PREVENTIVE MAINTENANCE CHECKLIST			HECKLIST				
Equipment No. : JOB No. :							
Hourmeter Reading :				Date :			
Mecha	nical Checks By :		S/No.:		Sign:		
Electric	cal Checks By :		S/No.:		Sign:		
Tested	By:		S/No.:		Sign:		
S/N	Item description	Service instruction	500hrs	3000hrs	Remarks/Last change & hours		
1	ENGINE						
1.1	Engine oil	Change and top up 'FULL' mark					
1.2	Engine oil filter	Replace filter Clean the element and examine					
1.3	Air cleaner	(Replace every 1000hrs)					
1.4	Fuel water separator	Drain and replace filter element					
1.5	Fuel filter	Replace filter (Replace every 500hrs)					
1.6	Pre-filter element	Drain water & clean if necessary					
1.7	Fuel lines	Inspect for leakages					
1.8	Fuel pump / Injectors	Examine for leak and ensure security (Service every 6000 hrs)					
1.9	Fuel hoses & clips	Check for leakage & security (Replace every 2000 hrs)					
1.10	Fan hub and drive pulley	Examine and ensure security					
1.11	Fan guard	Examine and ensure security					
1.12	All Drive Belts	Examine for wear and tension					
1.13	Radiator Core	(Replace every 2000 hrs) Clean					
1.14	Radiator	Drain and replace coolant (Replace coolant every 2 years)					
1.15	Radiator Cap	Examine and ensure security					
1.16	Water pump	Examine					
1.17	Water hoses & clips	Check for leakage & security					
1.18	Alternator	Examine and ensure security					
1.19	Starter motor	Examine and ensure security					
1.20	Exhaust Silencer /Pipes	Examine for cracks, damage & security					
1.21	Emergency shut down Vibration damper	Test Examine signs of deterioration					
1.23	,	Check for leakage, cracks & security					
1.24	Charge-Air-Cooler	Examine and ensure no dirt or debris					
1.24	Engine and Generator mounting	blocking the fins Examine for deterioration and security					
	BATTERY	Examine for deterioration and security					
2 2.1	Battery	Check Voltage (charge if necessary)					
2.2	Battery Terminal	Examine and clean					
2.3	Battery cables	Examine signs of deterioration and exposed wires Replace as neccesary					
3	GENERATOR / ELECTRICAL SY						
3.1	Panel lightings and other lightings	Ensure serviceability					
3.2	Unit operation and low fuel	Ensure serviceability					
3.3	beacons Chassis	Corrosion treatment and touch up					
3.4	Control panel and panel door.	painting Examine					
3.5	Cable plug connections / cables	Check cuts, crack and abrasion / Check operation (replace as necessary)					
		Examine contact rings for exposure/wear/abrasion /damage					
26	NATO plug AC coble	Check socket contacts for looseness					
3.6	NATO plug AC cable	Examine cable for damage insulation					
		Check for worn or bent pin		1			
3.7	Gauges	Ensure serviceability and Damage		1			
3.8	Protective Monitoring Circuits	Ensure serviceability and Damage					

3.9	Automatic Voltage Regulator (AVR)	Check for operation		
3.10	Electronic Engine Governor (EMR)	Check for operation		
3.11	Wiring and connections	Check for loose connections, signs of deterioration and exposed wires		
3.12	Warning Lights, Switches and Fuse	Ensure serviceability and Damage		
3.13	All Control PCB Cards	Examine for connections & security		
4	FRONT WHEEL	-		
4.1	Tyre L / H	Check wear (replace if necessary)		
4.2	Tyre R / H	Check wear (replace if necessary)		
4.3	Rims	Check condition		
4.4	Tyres pressure	Check and inflate correct pressure		
4.5	Wheel studs and nuts	Check and tighten		
4.6	Brake linkage	Lubricate		
4.7	Brake system	Service and check for effectiveness		
4.8	Brake cables	Lubricate		
4.9	Wheel bearings			
		Examine (replace if necessary) Lubricate		
4.10	Tongue hinge REAR WHEEL	Lubricate		
5				T
5.1	Tyre L / H	Check wear (replace if necessary)		
5.2	Tyre R / H	Check wear (replace if necessary)		
5.3	Rims	Check condition		
5.4	Tyres pressure	Check and inflate correct pressure		
5.5	Wheel studs and nuts	Check and tighten		
5.6	Wheel bearings	Examine (replace if necessary)		
6	BODYWORK / STRUCTURE			
6.2	Dent/ accident	Examine		
6.3	Structural crack (external)	Examine		
6.4	Body and paint work Fire Extinguisher	Corrosion treatment and touch up painting		
6.5	(Condition & Expiry Date)	Check/Replace		
7	FUNCTIONAL CHECK		 	
7.1	Engine meters	Ensure all meters are funtional		
7.2	E-F bypass system	Ensure the E-F bypass is functional		
7.3	Output voltage	Ensure it is set at 115 VAC +/- 1		
7.4	Operation Test	Physical and funtional check		
7.5	Load test	Perform a full load test		
8	FOD CHECK			
8.1	Examine and ensure unit is free of	of FOD		
8.2	Overall cleaniness			
9	REMARKS:			
	OEM - recommended checks for 250hrs are carried out during weekly checks, updated checklist is kept at work bay.			
	Toominonada ondoks i	5. 255110 are carried out during week	, ssono, apadica criconiisi	.oop. at nom bay.
_				
	SERVICED BY :		SERVICED BY :	
	SIGN:		SIGN:	
	NAME :		NAME :	
	DATE:		DATE:	

sats	GATEWAY

SATS MAINTENANCE CENTRE

Sa	CS GATEWAY	Ground Power Unit - 1LD 4000 SEKIES (RG1,16-33)					
		PREV	ENTIVE MAIN	NTENANCE CI	HECKLIST		
Equipment No. :				JOB No. :			
Hourm	eter Reading :		Date :				
Mecha	nical Checks By :		S/No.:		Sign:		
Electrical Checks By :			S/No.:		Sign:		
Tested By :			S/No.:		Sign:		
S/N	Item description	Service instruction	500hrs	3000hrs	Remarks/Last change & hours		
1	ENGINE		l.				
1.1	Engine oil	Change and top up 'FULL' mark					
1.2	Engine oil filter	Replace filter					
1.3	Air cleaner	Clean the element and examine (Replace every 1000hrs)					
1.4	Fuel water separator	Drain and replace filter element					
1.5	Fuel filter	Replace filter (Replace every 500hrs)					
1.6	Pre-filter element	Drain water & clean if necessary					
1.7	Fuel lines	Inspect for leakages					
1.8	Fuel pump / Injectors	Examine for leak and ensure security (Service every 6000 hrs)					
1.9	Fuel hoses & clips	Check for leakage & security (Replace every 2000 hrs)					
1.10	Fan hub and drive pulley	Examine and ensure security					
1.11	Fan guard	Examine and ensure security					
1.12	All Drive Belts	Examine for wear and tension (Replace every 2000 hrs)					
1.13	Radiator Core	Clean					
1.14	Radiator	Drain and replace coolant (Replace coolant every 2 years)					
1.15	Radiator Cap	Examine and ensure security					
1.16	Water pump	Examine					
1.17	Water hoses & clips	Check for leakage & security					
1.18	Alternator	Examine and ensure security					
	Starter motor	Examine and ensure security					
1.20	Exhaust Silencer /Pipes	Examine for cracks, damage & security					
1.22	Emergency shut down Vibration damper	Test Examine signs of deterioration					
1.23	·	Check for leakage, cracks & security					
1.24	Charge-Air-Cooler	Examine and ensure no dirt or debris					
1.24	Engine and Generator mounting	blocking the fins Examine for deterioration and security					
2	BATTERY	Examine for deterioration and security					
2.1	Battery	Check Voltage (charge if necessary)			T T		
2.2	Battery Terminal	Examine and clean					
2.3	Battery cables	Examine signs of deterioration and exposed wires Replace as neccesary					
3	GENERATOR / ELECTRICAL SY	/STEM	l				
3.1	Panel lightings and other lightings	Ensure serviceability					
3.2	Unit operation and low fuel beacons	Ensure serviceability					
3.3	Chassis	Corrosion treatment and touch up painting					
3.4	Control panel and panel door.	Examine					
3.5	Cable plug connections / cables	Check cuts, crack and abrasion / Check operation (replace as necessary)					
		Examine contact rings for exposure/wear/abrasion /damage					
3.6	NATO plug AC cable	Check socket contacts for looseness					
5.0	plag / to oablo	Examine cable for damage insulation					
		Check for worn or bent pin					
3.7	Gauges	Ensure serviceability and Damage					
3.8	Protective Monitoring Circuits	Ensure serviceability and Damage					

3.9	Automatic Voltage Regulator (AVR)	Check for operation						
3.10	Electronic Engine Governor (EMR)	Check for operation						
3.11	Wiring and connections	Check for loose connections, signs of deterioration and exposed wires						
3.12	Warning Lights, Switches and Fuse	Ensure serviceability and Damage						
3.13	All Control PCB Cards	Examine for connections & security						
4	FRONT WHEEL							
4.1	Tyre L / H	Check wear (replace if necessary)						
4.2	Tyre R / H	Check wear (replace if necessary)						
4.3	Rims	Check condition						
4.4	Tyres pressure	Check and inflate correct pressure						
4.5	Wheel studs and nuts	Check and tighten						
4.6	Brake linkage	Lubricate						
4.7	Brake system	Service and check for effectiveness						
4.8	Brake cables	Lubricate						
4.9	Wheel bearings	Examine (replace if necessary)						
4.10	Tongue hinge	Lubricate						
5	REAR WHEEL	la	ı					
5.1	Tyre L / H	Check wear (replace if necessary)						
5.2	Tyre R / H	Check wear (replace if necessary)						
5.3	Rims	Check condition						
5.4	Tyres pressure	Check and inflate correct pressure						
5.5	Wheel studs and nuts	Check and tighten						
5.6	Wheel bearings	Examine (replace if necessary)						
6	BODYWORK / STRUCTURE							
6.2	Dent/ accident	Examine						
6.3	Structural crack (external)	Examine						
6.4	Body and paint work	Corrosion treatment and touch up painting						
6.5	Fire Extinguisher (Condition & Expiry Date)	Check/Replace						
7	FUNCTIONAL CHECK							
7.1	Engine meters	Ensure all meters are funtional						
7.2	E-F bypass system	Ensure the E-F bypass is functional						
7.3	Output voltage	Ensure it is set at 28 VAC						
7.4	Operation Test	Physical and funtional check						
7.5	Load test	Perform a full load test						
8	FOD CHECK							
8.1	Examine and ensure unit is free of	of FOD						
8.2	Overall cleaniness							
9	REMARKS:		l .					
	OEM - recommended checks for 250hrs are carried out during weekly checks, updated checklist is kept at work bay.							
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	SERVICED BY: SERVICED BY:							
	SIGN:	_	SIGN:					
	NAME:		NAME :					
	DATE:		DATE :					