

Inspection and Test Record for Static Supply Unit

Record No.: _____
page 1 of 3

Client: _____	Subcontractor: _____
Project No.: _____	Subcontract P.O. No.: _____
Project Name: _____	Unit No.: _____

<u>Additional information:</u>	Rectifier/Inverter:
Manufacturer:	Battery Type:
P.O. No.:	Serial Nos.:
Location:	No. of Cells/Volts:

Reference Document:	
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Items to inspect	Subcontractor	Company		Remarks
	inspected initials/date	Hold Point	inspected* initials/date	
<p>Note: Tests marked (C) and (M) are required for pre-commissioning and maintenance inspections only.</p> <p>1.0 AC/DC distribution board:</p> <p>1.1 Check: good condition - no mechanical damage Correct labelling - correct earthing</p> <p>1.2 Test: insulation resistance (not for on-stream inspection)</p> <p style="margin-left: 40px;">at 500 V DC bar 1-earth Mohm bar 1-bar 2 Mohm bar-2 earth Mohm</p> <p>1.3 Test earth-fault indication and detection</p> <p>1.4 Record: fuse size actual load</p> <p>2.0 Rectifier/inverter</p> <p>2.1 Check the following items:</p> <p style="margin-left: 40px;">Correct earthing and cable connections:</p> <p style="margin-left: 40px;">Operating temperature in cabinet - no hot spots</p>		H		
		H		

H - Company's presence is mandatory for all activities in section.
h - Company's presence is mandatory.

Attachments, No. of pages:

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Name: _____	Name: _____	Name: _____
Signature: _____	Signature: _____	Signature: _____
Date: _____	Date: _____	Date: _____

*Company only initials for holdpoint

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page 2 of 3

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No accumulation of dust (heat sinks) No abnormal noise No leaking electrolytic capacitors (all parallel capacitors same temperature) Correction operation of: forced cooling fan (if fitted) interlock system indicating lights, relays and remote alarms Change-over time (inverter) 2.2 Check/adjust if required: Inverter output voltage/frequency Rectifier charging rate 3.0 Batteries 3.1 Check that all connections are tight and that anti-corrosive coating (vaseline) is provided 3.2 Check the liquid level of each cell 3.3 Check the cells for leakage		H		

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page 3 of 3

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3.4 Test the insulation resistance to earth For lead acid batteries: test and record the specific gravity of the electrolyte in each cell For alkaline batteries: test the open voltage of each cell with digital voltmeter																
4.0 Discharge test (C) (M) Discharge: <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">start</td> <td style="width: 15%;">h</td> <td style="width: 40%;">discharge current</td> <td style="width: 10%;">A</td> </tr> <tr> <td>finish</td> <td>h</td> <td></td> <td></td> </tr> <tr> <td>total</td> <td>h</td> <td>capacity:</td> <td>Ah</td> </tr> </table>	start	h	discharge current	A	finish	h			total	h	capacity:	Ah		H		
start	h	discharge current	A													
finish	h															
total	h	capacity:	Ah													
5.0 Basic inspection completed:		h														
6.0 Remedial action completed:		h														

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