

Body Protected Electrical Areas

Last Issue Date: 07/03/2019		Type Of Service				
Activity		A	B	C	D	E
1	The servicing and inspections of BODY PROTECTED ELECTRICAL AREAS IS TO COMPLY WITH AS3003, Section 8.				Y	
2	Check that all electrical equipment and fittings are in good condition.				Y	
3	<p>LABELLING Check that:-</p> <p>All circuit identifications are visible and intact.</p> <p>Protected points labelled as to which RCD protects them.</p> <p>Circuit identification visible and intact on each LIM.</p> <p>Protected points labelled as to which LIM monitors them.</p> <p>Overboard monitors labelled with alarm setting.</p> <p>Socket outlets protected by RCD labelled 'RCD PROTECTED'.</p> <p>Socket outlets protected by isolating transformers labelled 'ISOLATING TRANSFORMER PROTECTED'.</p> <p>Socket outlets intended for cleaning purposes labelled 'CLEANING PURPOSES ONLY'.</p> <p>Body protected electrical area sign is:</p> <p>Visible</p> <p>Labelled with current inspection date.</p> <p>Labelled with identity of authorised person.</p> <p>Labelled with next test date.</p>				Y	
4	<p>SOCKET OUTLETS Check:-</p> <p>Socket outlets coloured according to type of supply.</p> <p>if RCD protected, power available indicator operational.</p> <p>Number of socket outlets and permanently wired electrical equipment protected by RCD does not exceed 12.</p> <p>On / off luminous indicators operational, if applicable.</p> <p>Socket outlets double poled if protected by a transformer isolated supply.</p> <p>All socket outlets below 2.3 m protected by LPD.</p> <p>Confirm each socket outlet trips the RCD when fault applied.</p> <p>Confirm each socket outlet causes a response on LIM when a fault is applied.</p>				Y	
5	<p>EARTHING</p> <p>Confirm that the earth pin of all socket outlets below 2.3 m are earthed to less than 1 OHM.</p> <p>Confirm that all socket outlets used by electrical appliances accessible below 2.3 m are earthed to less than 1 Ohm.</p> <p>Confirm that all permanently wired appliances with conductive parts below 2.3 m are earthed to less than 1 Ohm.</p>				Y	
6	RCD Sensitivity - Confirm that RCD trips between 4.5 and 10.5 mA using a slowly rising fault current.				Y	
7	RCD Tripping times - test at least 2 times and record longest time.				Y	
8	Where applicable check that RCD supply indicator lights are operational.				Y	
9	Where applicable check that RCD audiovisual trip indicators are operational.				Y	

**Disclaimer** -This TDS is intended to provide guidance only to support Preventative Maintenance servicing activities. All TDS users are encouraged to read and understand the full [Conditions of Use](#) provided on the final page of this document and on the DPTI website.

For more information please contact the applicable Facilities Management Service Provider.



Government of South Australia  
Department of Planning,  
Transport and Infrastructure

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10	Confirm that the hazard current is below 2 mA.				Y	
11	Confirm that a load 110%-1120% of transformer rated current causes the alarm to activate in 3-5 seconds.				Y	
12	Confirm that UPS status indicator performance is routinely verified.				Y	
13	Provide a Statement of Conformity as detailed in Appendix C of AS3003.				Y	
14	Record results in the service report / log book.				Y	

**Special Comments and Technical Data**

D SERVICE FREQUENCY EITHER 6 OR 12 MONTHLY DEPENDING ON SITE REQUIREMENTS. MAXIMUM INTERVAL IS 12 MONTHLY UNDER AS3003. THE SERVICING ACTIVITIES AND FREQUENCIES ARE TO COMPLY WITH AS3003. OTHER APPLICABLE STANDARDS & LEGISLATION: AS3000, AS4510, AS3123, AS3112 AND THE PUBLIC HEALTH ACT.

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