

Cardiac Protected Electrical Area

Last Issue Date: 14/03/2014		Type Of Service				
Activity		A	B	C	D	E
1	Confirm that UPS indicator performance is routinely verified.				Y	
2	Check that all electrical equipment and fittings are in good condition.				Y	
3	LABELLING Check;- Circuit identification is visible and intact to each RCD. Relevant electrical points labelled to identify associated RCDs. Circuit identification visible and intact on each LIM. Relevant electrical points labelled to identify associated LIMs. Overload monitors labelled with alarm setting. Socket outlets protected by RCD & labelled 'RCD PROTECTED'. Socket outlets protected by isolating transformers labelled 'ISOLATING TRANSFORMER PROTECTED'. Socket outlets intended for cleaning purposes labelled 'CLEANING PURPOSES ONLY'. Ensure Cardiac protected area sign is; Visible. Labelled with current inspection date. Labelled with identity of authorised person. Labelled with next test date.				Y	
4	SOCKET OUTLETS - Check:- Socket outlets coloured according to type of supply. If RCD protected, power availability indicator operational. Number of socket outlets and permanently wired electrical equipment protected by LPD does not exceed 12. ON indicator light operational, if present. Socket outlets double poled if protected by a transformer isolated supply. All socket outlets used for medical electrical equipment or installed below 2.3m protected by LPD. Confirm each RCD trips when a fault is applied to each socket outlet that it protects. Confirm each socket outlet causes a response on LIM when a fault is applied. Confirm that RCDs do not protect socket outlets in another patient location.				Y	
5	EARTHING Confirm that the earth pin of all socket outlets are earthed to less than 0.1 Ohm with respect to EP junction node or other appliances. Confirm that all permanently wired appliances with conductive parts below 2.3 m are earthed to less than 0.1 Ohm with respect to EP junction node or other appliances.				Y	
6	POTENTIAL DIFFERENCE BETWEEN ACCESSIBLE METAL EQUIPMENT Confirm that the potential difference does not exceed 50 mV between EP junction and - Earthing pins of at least 2 socket outlets in each patient location. Reticulated plumbing pipework services. Accessible conductive parts of permanently wired electrical equipment that are				Y	

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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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	accessible in patient enviroment: Surgical luminaries and patient examination lights. Pendants. Imaging systems. Equipment mounting rails.					
7	Confirm that the RCD trips between 4.5 and 10.5 mA using a slowly rising fault current.				Y	
8	Test RCD tripping times 2 times and record longest time.				Y	
9	Confirm that the RCD supply indicator is operational.				Y	
10	Audiovisual RCD trip indicators - Where applicable confirm they are operationl.				Y	
11	Fill the inspection report as set out in Appendix H of AS 3003:2011				Y	
12	Record service in service sheet / log book.				Y	

Special Comments and Technical Data

D SERVICE 6-12 MONTHS.
THIS TDS IS A DUPLICATE OF E42

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