

***Device Under Test***

|  |  |
| --- | --- |
| ***Client:*** <Client> | ***Type:*** <Type> |
| ***Asset Number:*** <AssetNumber> | ***Serial Number:*** <SerialNumber> |
| ***Location:*** <Location>  ***Manufacturer:*** <Manufacturer> | ***Model:*** <Model> |

***Test Equipment:***

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| --- |
|  |

***Performance Test Summary***

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| **<result\_69>** |

***Signatures***

|  |  |
| --- | --- |
| Name: <Name> | Date: <Date> |

***Performance Test Results***

***Uninterruptible Power Supplies (UPS):***

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| --- | --- |
| Confirm that UPS status indicator performance is routinely verified | **<result1>** |

***Visual Inspection:***

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| All electrical equipment and fittings in good condition. | **<result2>** |

***Labelling:***

|  |  |
| --- | --- |
| Circuit identification visible and intact on each RCD. | **<result3>** |
| Relevant electrical points labelled to identify associated RCDs. | **<result4>** |
| Circuit identification visible and intact on each LIM. | **<result5>** |
| Relevant electrical points labelled to identify associated RCDs. | **<result6>** |
| Overload monitors labelled with alarm setting. | **<result7>** |
| Socket-outlets protected by RCD labelled ‘RCD PROTECTED' | **<result8>** |
| Socket-outlets protected by Isolating transformers labelled ‘ISOLATING TRANSFORMER PROTECTED’. | **<result9>** |
| Socket-outlets intended for cleaning purposes labelled ‘CLEANING PURPOSES ONLY’. | **<result10>** |
| Cardiac-protected electrical area sign: Visible. | **<result11>** |
| Labelled with current inspection date. | **<result12>** |
| Labelled with identity of authorized person. | **<result13>** |
| Labelled with next test date. | **<result14>** |

***Socket Outlets:***

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| --- | --- |
| Socket-outlets coloured according to type of supply. | **<result15>** |
| If RCD protected, power-available indicator operational. | **<result16>** |
| Number of socket-outlets and permanently wired electrical equipment protected by LPD does not exceed 12. | **<result17>** |
| ON indicator light operational, if present. | **<result18>** |
| Socket-outlets double-poled if protected by a transformer-isolated supply. | **<result19>** |
| All socket-outlets used for medical electrical equipment or installed below 2.3 m protected by LPD | **<result20>** |
| Confirm each RCD trips when a fault is applied to each socket-outlet that it protects. | **<result21>** |
| Confirm each socket-outlet causes a response on LIM when a fault is applied. | **<result22>** |
| Confirm that RCDs do not protect socket-outlets in another patient location. | **<result23>** |

***Earthing:***

|  |  |
| --- | --- |
| Confirm that the earth pin of all socket-outlets are earthed to less that 0.1 Ω with respect to EP junction node or other appliances. | **<result24>** |
| Confirm that all permanently wired appliances with conductive parts below 2.3 m are earthed to less that 0.1 Ω with respect to EP junction node or other appliances. | **<result25>** |

***Potential Difference Between Accessible Metal Equipment:***

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| --- | --- |
| 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. | **<result26>** |
| Reticulated plumbing pipework services. | **<result27>** |
| Accessible conductive parts of permanently wired electrical equipment that are accessible in patient environment: Surgical luminaires and patient examination lights. | **<result28>** |
| Pendants. | **<result29>** |
| Imaging systems. | **<result30>** |
| Equipment mounting rails. | **<result31>** |

***RCD Sensitivity for Australia:***

|  |  |  |
| --- | --- | --- |
| Confirm that the RCD trips at a value greater than 4.5 mA. | **<test1>** | **<result32>** |

***RCD Tripping Times for Australia:***

|  |  |
| --- | --- |
| Confirm this by repeating the test at least 2 times. | **<result33>** |
| Record the longest tripping time .......................... ms | **<result34>** |

***RCD Supply Available Indicator Lights:***

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| --- | --- |
| Confirm that the indicator is operational. | **<result35>** |

***Audio/Visual RCD Trip Indicators:***

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| --- | --- |
| If applicable, confirm that they are operational. | **<result36>** |

***Prospective Hazard Current of Insulation:***

|  |  |  |
| --- | --- | --- |
| Ensure PHC is less than 2 mA when no appliance is plugged in. | **<test2>** | **<result37>** |

***Lim Prospective Hazard Current Alarm:***

|  |  |  |
| --- | --- | --- |
| Confirm that the LIM alarms between 17 and 19 mA. | **<test3>** | **<result38>** |
| Record alarm current .........................................mA |

***Overload Monitors:***

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| --- | --- |
| Confirm that the alarm operates when a load between 110–120% of rated load is applied in 3–5 s. | **<result39>** |

***Comments:***

<Comments>