

<b>Talk No:</b> 16	<b>Title:</b> USE OF ELECTRICITY
<p><b>Introduction:</b> Electricity is silent, invisible, and potentially fatal, so it deserves the utmost respect. Never ever take electricity for granted, and never assume a circuit is dead.</p>	
<p><b>Main points:</b></p> <ul style="list-style-type: none"> <li>– The lowest practical voltage should be used on sites, which should not exceed 110v.</li> <li>– Only suitable and authorised electrical supplies and equipment should be used, which should be installed and maintained by trained electricians.</li> <li>– Suitable protection such as circuit breakers, fuses, and residual current devices, must always be used, along with the correct load ratings.</li> </ul> <p><b>Discussion points:</b></p> <ul style="list-style-type: none"> <li>– Electrical cables should be suspended where practicable to avoid damage and damp <ul style="list-style-type: none"> <li>○ which also reduces a trip hazard.</li> </ul> </li> <li>– Carry out visual checks of plugs, sockets and cables – if any damage is identified then remove from service and report immediately.</li> <li>– Any cable joins must utilise proper connector blocks, not just insulating tape.</li> <li>– Never use lighting sockets to power equipment.</li> <li>– Ensure cables are long enough for the task – they should not be pulled taut.</li> <li>– The inner insulation of cables should never be visible – the outer insulation should extend into plugs and equipment and fully utilise cable grips.</li> <li>– Blown fuses should be replaced immediately – never make do with a “bodge” (note: if a replaced fuse immediately blows again then it is indicative of a problem requiring the attention of an electrician).</li> <li>– For electrical maintenance work ensure the mains supply is disconnected.</li> <li>– Never overload electrical sockets – one plug per socket!</li> <li>– Where “emergency stop” switches are present ensure they are tested regularly.</li> </ul> <p style="text-align: center;"><b>LIVE ELECTRICITY CAN EQUAL A DEAD PERSON – ENSURE IT ISN'T YOU OR YOUR MATES!</b></p>	
<p><b>Notes:</b></p>	