

Task Risk Control Sheet

Use of Pole Mounted Equipment (Camera / Cutter etc)

RCS No: NR/L3/MTC/RCS0216/OLE14
Issue: 4

Key Risks!

- Electrocution
- Struck by Trains
- Falling Objects
- Hydraulic Oil

Personnel Involved

E&P	✓
S&T	
MOM	✓
Off Track	✓
Property	✓

Tools / Equipment

Portable high level camera.
Portable high level hydraulic cutter consisting of: Pole mounted cutter heads, connections, hydraulic hoses, power pack.
Insulated poles.

Plant

None

Key Risks	Controls	Implemented By
Electrocution	<p>It is safer to work under isolated and earthed conditions with a full "permit to work" in accordance with NR/L2/ELP/29987. Request that the ECRO provides a Nominated Person to supply an OLE Isolation and Form C.</p> <p>Where this is not reasonably practicable then conduct an on site risk assessment as to whether it is safe to work under switched-off (de-energised) conditions.</p> <p>25kV conductors and Along Track Conductor (ATC) tails: <i>Note: ATC tails are the remnants of ATC following theft</i> Request and confirm that the OLE within 2.75m of the equipment envelope has been de-energised / switched off by the Electric Control Room Operator prior to approaching OLE or removing RC tails. Control ATC tail movement during removal using a separate clamp and earth pole.</p> <p>The pole mounted cutter can be used on switched-off (de-energised) equipment but shall not be used on Live energised Overhead Line Equipment.</p> <p>In the case of the camera on a pole or when removing objects with an earth pole, then where switch-off (de-energising) is not reasonably practicable then conduct an on site risk assessment as to whether it is safe to work under live conditions.</p> <p>To be used with Calibrated Primary Poles in date.</p> <p>Do not use equipment on live AC OLE electrified lines in damp conditions or during snow / rain or lightning.</p>	<p>S&OR / Authorised Person</p> <p>S&OR / Authorised Person</p> <p>S&OR / Authorised Person</p> <p>OLE Staff</p> <p>S&OR / Authorised Person</p> <p>S&OR / Authorised Person</p> <p>Authorised Person</p>

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Key Risks	Controls	Implemented By
Pre use checks - Faulty Equipment	<ul style="list-style-type: none"> Visually check equipment for damage prior to use including hydraulic hoses and hose connections for leaks Check the equipment is within its inspection date. 	Team Leader / All Staff Team Leader / All Staff
Struck by train	<ul style="list-style-type: none"> The cutter can only be used when a line blockage with additional protection has been taken covering the affected area, unless being used from a position of safety for work on Return Conductors. When using the camera in red zone establish a warning time of 15 seconds to allow the camera to be safely lowered. 	COSS COSS
Incorrect Use of Equipment	<ul style="list-style-type: none"> Only staff trained and certificated in Sentinel Level A or B or Sentinel Switching and Object Removal (S&OR) competence shall use the pole mounted equipment on Electrified Lines Staff shall be trained and competent in the use of live line tools and equipment operating techniques The 2 man team shall have received a familiarisation briefing on the correct and safe operation of the camera or the cutter (controls, cutter head selection, storage and maintenance) as appropriate. The operator controlling the camera via the laptop operating system (where applicable) shall be trained on the operating controls. 	Staff Team Leader Team Leader Team Leader
Falling Objects	<p>There is a risk that objects such as wire or branches could fall onto the operators.</p> <ul style="list-style-type: none"> Operators shall be aware of the risk of falling objects and avoid positioning themselves directly below the cutting operation. The use of eye protection to BS EN166.F (Goggles) is mandatory when using the pole mounted cutter. 	Staff Staff
Manual Handling	<ul style="list-style-type: none"> Minimum of two man operation applies to using pole mounted equipment. Either to assist with raising/lowering or to locate the cutter on the object allowing the other person to operate the cutter power pack controls. 	Staff Staff
High Pressure Oil Injection (Cutter)	<ul style="list-style-type: none"> Do not use if hydraulic couplings or hoses are damaged or leaking. Do not use hoses to move the equipment Never use your hand to grab a leaking hose under pressure. 	Team Leader Staff