

Task Risk Control Sheet

Working Near Electrical Overhead Line Equipment

RCS No: NR/L3/MTC/RCS0216/GA21
Issue: 2

Key Risks!

• Electrocution

Personnel Involved

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

Tools / Equipment None

Plant None

Key Risks	Controls	Implemented By
Struck by train	<ul style="list-style-type: none"> See Risk Control Sheets NR/L3/MTC/RCS0216/GA01 – Work on or Near the Line 	All Staff
Slips, Trips & Falls	<ul style="list-style-type: none"> See Risk Control Sheet NR/L3/MTC/RCS0216/GH02 – Underfoot Conditions 	All Staff
Working on or near OLE	<ul style="list-style-type: none"> All staff working under overhead electrified line shall be trained and competent in PTS AC as a minimum requirement Unless specially trained staff shall not work on or near OLE or touch any equipment, such as red bonds and shall work in accordance to Rule Book Module AC2 All exposed parts of the OLE shall be regarded as being live at all times unless: <ul style="list-style-type: none"> ➤ An Overhead Line Permit had been issued in accordance with Rule Book Module AC2 ➤ A local isolation is permitted and OLE is isolated and earthed ➤ OLE has been made safe in an emergency and an assurance received from the ECO Work shall be performed in accordance with the Rule Book and Network Rail standard RT/E/S/29987 Consideration shall be given to: <ul style="list-style-type: none"> ➤ Work on door gear and structures in depots ➤ Work in sidings ➤ Use of liquids, including paints ➤ Use of ropes, wires, tapes, etc ➤ Use of long articles e.g. scaffold poles, brooms, etc (these shall be carried horizontally using two or more persons as appropriate) ➤ Trimming or felling of trees and undergrowth ➤ Loading and unloading of open rail wagons ➤ Use of ladders – Shall be wooden or other approved non-conducting material and not reinforced by metal attachments running along the sides of the ladder (these shall be carried horizontally using two or more persons as appropriate) ➤ Use of cranes, plant and equipment or similar apparatus capable of being extended ➤ Servicing and maintaining rail-borne plant and machinery ➤ Work on signals ➤ Work within fully enclosed structures 	<p>Line Manager</p> <p>Staff</p> <p>Staff</p> <p>Team Leader</p> <p>Planning Team</p>

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Work more than 9 feet / 2.75 metres of live OHLE	<ul style="list-style-type: none"> • Work shall be performed in accordance with the Rule Book and Network Rail standard RT/E/S/29987 • Where work is routine apply the controls from the relevant Risk Controls sheets. • For project work/Non-routine work a risk assessment and/or a Work Package Plan and task brief shall be prepared by a competent person detailing how work will not come within 2.75 metres / 9 feet of live OLE taking into account: <ul style="list-style-type: none"> ➢ The nature and situation of the work ➢ The tools, materials, plant, appliances and liquids to be used ➢ The competence and responsibilities of persons involved in the work ➢ Other relevant circumstances 	All Staff All Staff Planning team
If Work is less than 9 feet / 2.75 metres of live OHLE	<ul style="list-style-type: none"> • Where work/OTP use is covered by the Live Working Risk Control Sheets then work can proceed provided the controls are briefed and applied • If the work is not covered by an existing Risk Control Sheet then a risk assessment and/or Work Package Plan and task brief shall be prepared by a competent person and authorised by the Electrification & Plant Maintenance Engineer when work is to be attempted which will, or is likely to result in any part of a person or clothing or tools / equipment coming within 2.75 meters of live OLE, including pantographs and other roof mounted electrical equipment on trains 	Planning Team & Team Leader Planning Team & E&P Maintenance Engineer
Working less than 600mm (2 feet) from live OHLE	<ul style="list-style-type: none"> • Work to be performed within less than 600mm shall only be done when the OLE has been isolated and earthed and an Overhead Line Permit issued in accordance with Rule Book Module A2 • Except for voltage testing devices, live line tools and live line measuring devices conforming to and used in accordance to Network Rail standards no work shall be attempted which will or is likely to result in any person's body, clothing, tools or equipment coming within 600 mm of any live OLE, including pantographs and other roof mounted electrical equipment on trains 	Team leader All staff
Removal of Objects from and near to the OLE	<ul style="list-style-type: none"> • Removal of objects shall only be done by trained staff who are certificated in the use of live line tools conforming to and used in accordance with Network Rail standards 	All Staff

THIS TASK RISK CONTROL SHEET ONLY REFERS TO RAILWAY ELECTRICAL OVERHEAD LINE EQUIPMENT – WHERE ELECTRICAL OVERHEAD LINE EQUIPMENT IS PROVIDED BY OUTSIDE PROVIDERS (E.G. NATIONAL GRID) THEN THEY SHALL BE CONTACTED DIRECTLY TO IDENTIFY THEIR CONTROL MEASURES – WORK SHALL NOT BE PERFORMED NEAR THEIR OLE WITHOUT FIRST PUTTING A SAFE SYSTEM OF WORK IN PLACE TO PREVENT STAFF BEING ELECTROCUTED