



Important Safety Notice - Queensland Rail



Workplace managers and supervisors must communicate this information to affected workers either face to face, via email or telephone within 72 hours of being received. Communication delivery verification form (MD-13-560) to be completed and LMS administrator to add verification to workers training history as per MD-12-56 Safety and Environment Communications Standard.

Issue date: 28/09/2020

Expiry date: 31/03/2021 To be removed from the safety and environment notice board.

Working safely in 25 kV electrified areas

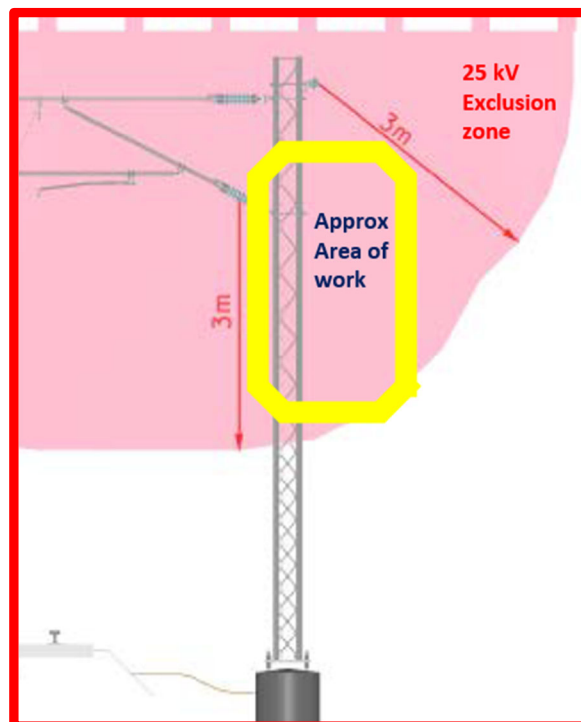
Attention: Workers, project managers, recipients and supervisors working in electrified areas

Background

A recent high potential incident (HPI) involving a breach of the 25 kV electrical safety exclusion zone has taken place during project works. The work involved the installation of a bracket on a mast structure. The exclusion zone breach was observed by a Protection Officer (PO) who immediately stopped the work upon noticing the event, therefore preventing any injuries.

When the worker involved was interviewed during the investigation process, the worker described an incorrect understanding of the exclusion zone (indicating that the exclusion zone only applied to the contact wire). A revised exclusion zone endorsed by a Traction Power Engineer (TPE) and prescribed in a Safety Clarification Advice (SCA) was breached during this work.

An investigation is underway. The Recipient supervising the works has been suspended from performing this authorised electrical safety role.



Would you and your team be able to identify the electrical hazards and the appropriate safety procedures to complete the works safely? The exclusion zone and a reminder of the electrical safety rules applicable in electrified areas follow.

For further information contact: David Wilson, Electrical Standard and Assurance Officer -HV

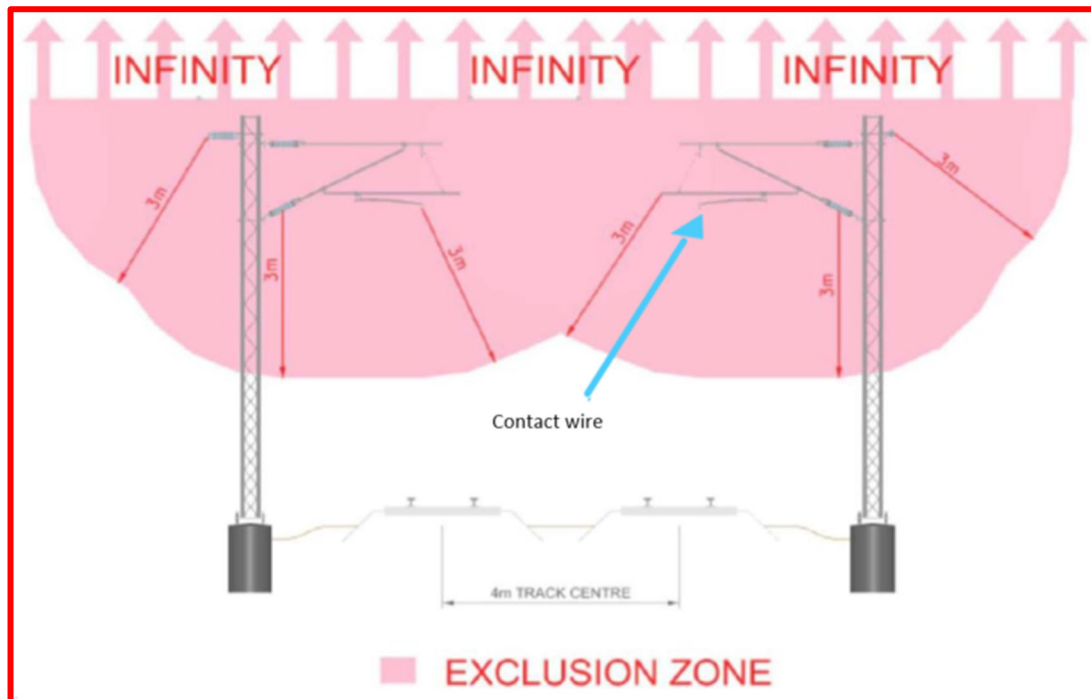
Issued by: Francisco Siliezar, Discipline Head - Electrical

LMS course type: 133504

QUEENSLAND RAIL OFFICIAL

© 2020 Queensland Rail

QueenslandRail



Actions to be taken:

All workers planning and conducting work near electric traction infrastructure must observe the requirements of MD-10-191 Electric Traction Systems Standard ETSS (Module 2) including the electrical safety rules:



Electrical Safety Rules For work on and near HV electric traction infrastructure



- 1 Electric traction exposed lines and equipment (and any objects in contact with exposed equipment) shall be treated as live and dangerous (*).
- 2 Workers shall contact train control (or the ECO) immediately to report damaged infrastructure or foreign objects touching overhead line equipment (or pantographs).
- 3 All persons working on or near energised high voltage lines and equipment (including HV cables) shall ensure risk assessments for their work take into account relevant electrical exclusion zones as required (in consultation with the traction power engineer, or delegated representative, if necessary).
- 4 No work is allowed within the exclusion zone (or having the potential to encroach the exclusion zone) unless one of the following controls is in place:
 - A. A Permit To Work (e.g. Form C, D or DT) issued by a Nominated Person, OR
 - B. A Safety Clarification Advice (SCA) endorsed by the traction power engineer, OR
 - C. An approved Standard Work Activity (SWA) endorsed by the traction power engineer, OR
 - D. A barrier endorsed by the traction power engineer installed with the objective to separate the worksite from exposed electrical high voltage equipment.

(*). Until relevant high voltage equipment and lines have been de-energised, isolated and earthed.

Managers and Supervisors must ensure relevant workers have undertaken WET (Working in Electrified Territory) training. This training can be organised as follows:

- Courses for Queensland Rail workers can be organised by contacting "assettrainingdelivery@qr.com.au".
- Contractors and third parties can book courses as detailed in the Rail Infrastructure Workers website.