

750 V dc Conductor Rail System



Always be sure the required plans and permits are in place, before you start a job or go on or near the line.

Brief

- Permits in this context are describing the process of authority for safe work when working at risk level 1 (details in NR/L3/MTC/EP0152) where a conductor rail isolation is required. The isolation processes are detailed in,
 - NR/WI/ELP/3091 – dc electrified lines work instruction
 - NR/WI/ELP/27051 – work instructions for dc electrified lines in the Liverpool area
 - NR/WI/ELP/27052 – work instructions for dc electrified lines on the Northern City
- Additionally a certificate of isolation may be required as detailed in,
 - NR/SP/ELP/21060 – issue of safety documentation for work on 650/750 V dc apparatus

This lifesaving rule applies to

- Working on, or near, conductors that may be energised at 750 V dc. This includes but is not limited to,
 - Conductor rail
 - Hook switches
 - Controlled track isolators and switches
 - Other trackside switches
 - Track current relays
 - Trackside voltage relays
 - Conductor heating systems
 - Cables

This lifesaving rule does not apply to

- Emergency switch-offs
- Local (depot) isolations

Learning for the future

- All planning irregularities (including incomplete / inaccurate permits) shall be investigated using Fair Culture principles

Guidance/Notes

- The risk assessment process is also explained in the DCCR keypoint card NR9934.