

Technical Specification

T0433 Conductor Rail arc welding

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1 Purpose

The purpose of this Specification is to specify the requirements for joining conductor rails to conductor rails and conductor rail ramps using the arc-welding process on site.

NOTE: This document has been reclassified and reformatted as a Technical Specification. The requirements are unchanged.

2 Scope

- 2.1 This Specification applies to joining conductor rails to conductor rails and conductor rail ramps using the arc-welding process on site

3 Conductor rail arc welding

3.1 General

Details of the types, positioning and maximum allowable overall lengths of conductor rails used in LUL track are given in 1-162.

3.2 Hot working permit

A hot working permit shall be obtained before conductor rail welding can commence in station premises, tube and sub-surface locations. The terms and conditions of the permit shall be complied with in accordance with Engineering Instruction 6000/EI/027.

3.3 Safety and fire precautions

- 3.3.1 Staff shall comply with the safety and protection requirements specified in Engineering Instruction 6000/EI/027, the LUL Rule Book, the Electricity at Work Regulations 1989, and with the task specific information sheets generated as a result of risk assessment.
- 3.3.2 Fire retardant material shall be placed under and around the worksite to contain sparks.
- 3.3.3 Rust, mill scale and any other matter that may be a potential cause of arcing shall be removed.

3.4 Personal protective equipment

Appropriate personal protective equipment shall be worn.

3.5 Weather conditions

Welding shall not be carried out in rain or falling snow, or without a wind protection shield in windy conditions

3.6 Environmental issues

Work associated with this specification shall be carried out in a manner which minimises any adverse effects on the environment.