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Issue:	4
Date:	4 December 2010
Compliance date:	5 March 2011

Level 2

Notification of energisation of new a.c. and d.c. electrified lines

Endorsement and Authorisation

Endorsed by:



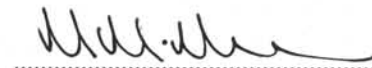
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Issue record

Issue	Date	Comments
3	April 2006	Re-issued as a SAF3 Business Process Document (formerly RT/E/P/24013)
4	Dec 2010	Re-issued to incorporate project categorisation

Compliance

This Network Rail standard is mandatory and shall be complied with by Network Rail and its contractors if applicable from 5 March 2011.

When this standard is implemented, it is permissible for all projects that have formally completed GRIP Stage 4 to continue to comply with the Issue of any relevant Network Rail Standards current when GRIP Stage 4 was reached and not to comply with requirements contained herein, unless the designated Standard Owner has stipulated otherwise in the accompanying Briefing Note.

Reference documentation

GM/RT1041	Railway Group Standard Warning Signs and Notices for Electrified Lines
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1 Purpose

This procedure states the requirements for the design and display of posters, the publication of notices and the provision of advice concerning the energisation of new, or extensions to a.c. and d.c. electrified lines and distribution equipment forming part of the traction distribution system.

2 Scope

This procedure applies to all a.c. and d.c. electrified lines.

3 Definitions

For the purpose of this procedure the following definitions shall apply:

Electrified Lines Those lines of route that have an electrical contact system for supplying electricity to electric trains.

a.c. Electrified lines are those lines where the traction system voltage is nominally 25 kV a.c. supplied by overhead line equipment.

d.c. Electrified lines are those lines where the traction system voltage is nominally 650/750 V d.c. supplied by conductor rail equipment.

Energisation The process of making electrical equipment alive.

WON Weekly Operating Notice

4 Warning of the energisation of new, or extensions to, electrified lines

Warning of the risk of electric shock associated with new, or extension to existing, electrified lines shall be given to persons who have reason to be within or to enter or to be in the vicinity of the area to be energised. This shall be achieved by disseminating the warning sufficiently widely by the use of posters, WON's, formal letters and advice, and talks on the subject.

Where overhead line conductors or conductor rails have been permanently removed following which re-electrification and re-energisation takes place at a later date, dissemination of the warning shall be carried out as for a new or extension of electrification.

5 Posters warning of the energisation of electrified lines

The posters shall be to Design Guideline Sheet RTE 6030 and shall specify the extent of the line(s) to be energised, the electrification system and the time (24 hr clock), day and date of the energisation. The extent of the lines to be energised shall be clearly defined by track designations and the limits on each line referenced

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to overhead line structures, mile posts, junctions or other recognised geographical features. The posters shall be sufficiently sized prominent for the persons that require them.

The posters shall be displayed continuously for four working days immediately prior to the date of energisation at:

- a) the appropriate entrances to Network Rail controlled infrastructure e.g. stations, goods yards and depots, maintenance depots, access points, train stabling depots and washing sidings;
- b) the places where persons congregate, e.g. booking-on points, mess rooms, offices.

Immediately before energisation an adhesive 'NOW' overlay in accordance with Design Guideline Sheet RTE 6030 shall be posted over the energisation date. Where a series of energisations occur in the same area, different colour overlays shall be used for each energisation.

Posters shall be displayed continuously until three weeks after the date of energisation and shall then be removed.

Advantage shall be taken of local illumination. Special illumination is not required.

6 Weekly Operating Notice

Warning of the energisation of new, or the extension to existing, electrified lines shall be entered in an arresting manner on the first pages of the appropriate WONs.

The entry shall specify the extent of the line(s) to be energised, the electrification system and the time (24 hour clock), day and date of the energisation. The extent of the lines to be energised shall be clearly defined by track designations and the limits referenced to overhead line structures, mile posts, junctions or other recognised geographical features.

The entry shall also specify:

- a) the Electrification Working Instructions a.c. or d.c. applicable;
- b) the Electrical Control Room controlling the electrification supplies together with the means of normal and emergency communication;
- c) the Network Rail engineer to whom questions may be referred and the means of communication;
- d) other relevant information.

A typical energisation notice entry is shown in Appendix B.

Publication of the entry shall commence four weeks before the date of energisation and continue until 4 weeks after that date. The publication shall continue a minimum of four weeks after the commencement of the commercial service.

Where energisation is staged, separate entries shall be made for each stage.

Publication timelines for items to appear in the WON are set out in the front of each issue. As guidance, items usually need to be submitted 19 days ahead of the date they require to appear from.