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Level 2

Booster Transformer Outages: Managing the Consequences for Telecommunication Systems

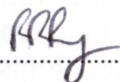
Endorsement & Authorisation

Endorsed by:



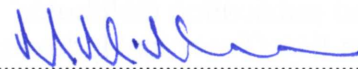
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Issue record

Issue	Date	Comments
1	August 2003	New Issue
2	Dec 2005	Reviewed and reissued in new format
3	April 2006	Updated to reflect the transfer of maintenance delivery from Engineering to Maintenance
4	August 2008	Updated to reflect Phase 2A reorganisation

Compliance

This Network Rail standard is mandatory and shall be complied with by Network Rail & its contractors if applicable from 26 August 2008.

When this standard is implemented, it is permissible for all projects, which have formally completed GRIP Level 4, to continue to comply with the Issue of any relevant Network Rail Standards current when GRIP Level 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

See section 3.

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1 Purpose

This specification details the actions to be taken during a booster transformer outage to protect staff from the possibility of receiving an electric shock from contact with telecoms cables or circuits connected to them.

2 Scope

This specification applies to all staff who may be required to pass on information regarding booster transformer outages, to those staff who shall determine the practical consequences and to all staff working on telecoms cables or circuits connected to them in areas electrified by the 25kV AC overhead line electrification system and who may, as a result, have to implement additional safety precautions when a booster transformer is strapped out of service in accordance with Network Rail Company Procedure [NR/SP/ELP/24011](#).

3 Reference documentation

[NR/SP/ELP/24011](#) Booster Transformer Outages

[NR/GN/ELP/24015](#) Technical Management of Transformer Booster Outages

4 Definitions

E&P ME

Electrification & Plant Maintenance Engineer

IM

Infrastructure Maintainer, the body responsible for the maintenance of the booster transformer within Network Rail

NRN

National Radio Network.

SCADA

Supervisory Control and Data Acquisition system. For the purposes of this instruction, this is specifically applied to the control and indication systems connecting the ECR to the Feeder Stations and TSCs.

TDM

Time Division Multiplex, a system for passing information as to the state of many items of equipment along a single circuit. For the purposes of this specification, this is specifically applied to the control and indication systems connecting a signal box to a remote relay interlocking.