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Level 3

Procedure and competence requirements for persons undertaking works in the vicinity of high voltage cables

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Issue record

Issue	Date	Comments
1	26 August 2008	Phase 2A / Engineering reorganisation responsibility change

Compliance

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

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

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1 Purpose

To confirm works undertaken in the vicinity of High Voltage cables are conducted in a manner which minimises risk to persons, cables and the environment.

2 Scope

This procedure applies to all persons requiring to undertake work in the vicinity of the South East area HV networks both those cables controlled from the Electrical Control Room and the independent uncontrolled systems. The procedure applies to all such Network Rail owned HV cables wherever located or positioned.

This procedure excludes all works which involve access to the cables themselves, associated joints, terminations or other distribution equipment or switchgear.

3 Roles and responsibilities

The Principal Maintenance Support Engineer (M&E) is responsible for establishing the process and competence standards of persons undertaking work in the vicinity of Network Rail's HV cables.

4 Definitions

For the purposes of this procedure the following definitions apply:-

HV Cable - any cable operating at over 1000volts a.c (and associated pilot/supervisory cable(s)) forming part of the South East areas High Voltage Distribution networks (including separate networks not controlled from an Electrical Control Room).

Principal Maintenance Support Engineer (M&E) PMSE (M&E) or his representative.

Competent Engineer - the electrical engineer who is delegated in writing by the PMSE (M&E) to appoint Assessors of work to be undertaken in the vicinity of HV cables.

Assessor - person appointed in writing by the Competent Engineer to assess the risks presented by works to be undertaken in the vicinity of HV cables.

Competent Person - person appointed in writing by the Assessor to supervise protection measures for HV cables (including the on site execution of a cable switch out).

Responsible manager – Network Rail Contract Manager or Project Manager responsible for any works to be undertaken in the vicinity of HV cables.

Electrical Control Room (ECR) - location controlling a geographic area of the HV distribution network shown on Network Rail drawing SR/F/267.

Electrical Control Operator (ECO) - Person having day to day control & operation of the South East areas main High Voltage Distribution network including cables (as shown on Network Rail drawing SR/F/267) within a geographic area.