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Memorandum

To: Territory E&P Engineers, MP&I
E&P Engineers, Area E&P Engineers
Alex Buchinger, Martin Sigrist,

From: Cliff Elsey

Title: SE Territory Engineer,
Electrification & Plant

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cc Arif Arabaji, Glenn Wiles, Phil
Frazer, Colin Bryant, Jenny Davis

Date: 22 August 2005

NR/BS/LI/028 - Letter of Instruction

This is a Letter of Instruction. In accordance with Section 16, of Network Rail Business Process Document, NR/SP/STP/090 – *Managing Change to Network Rail Standards*, I give notice that the following changes shall be made with effect of **22 August 2005**:

SEGREGATION OF D.C TRACK FEED CABLES

Instructions

1. Where reasonably practicable new, renewed or revised main track, track feeder cables that run from the substation of TP Hut to the point of feeder shall be segregated by circuit.
2. Where feeding circuits run immediately adjacent to or under/over other cables each individual circuit shall be contained in its own fire resistant, insulated cable route (e.g. concrete troughing) or separated by a fire resistant insulated barrier such that failure of one circuit cannot damage or connect with any adjacent circuit.

3. Where frames supporting or retaining such routes/segregation are made of conducting materials insulated fire resistant separation must be included in the design and installation to prevent any defective cables short circuiting to the conducting materials.
4. Existing cable routes containing track feeders must be cleared and inspected wherever accessible in accordance with existing maintenance requirements.

The reason for its issue

An incident has occurred during an emergency isolation where track feed cables fused and negated the isolation. In order to avoid a re-occurrence of such a failure the instructions given above shall be applied.

Who it affects

Anyone carrying out maintenance or renewals to d.c. track feeder cables.

Standards affected

None

Expiry date or when the changes will be formalised

Upon issue of a new Letter of Instruction or incorporation of these requirements into a Network Rail standard.

This instruction does not change any requirements for compliance with the any other standards and health and safety requirements.

Further advice and guidance on the application of these changes may be sought by contacting **Cliff Elsey** on **00-23276**.

Author:

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Endorsed by:

Kevin Lydford

Head of Electrification & Fixed Plant



Documents

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