OVERHEAD LINE CAMPAIGN CHANGES – DATA SHEET

66 RENEW ARC DAMAGED REGISTRATION ARMS IN HEADSPAN ASSEMBLIES.

COMPONENT

Registration arms on loop lines in headspan assemblies.

PROBLEM

On headspan assemblies over loop lines where the loop is electrically common to the adjacent main line, traction current can flow through the span wire and registration arm hook fittings. This causes rapid electrical erosion and a risk of the arm falling foul of pantographs.

ACTION REQUIRED

Replace affected registration arms and install additional jumpers to prevent current flow through the hook fittings.

Fit jumpers between catenaries using LDV and lower span wire to support the jumper wire.

Prioritise affected locations as follows:

1. Sites with previous failures;
2. Sites with known burning but no previous failures;
3. Sites potentially at risk but with no burning found.

Reference Information	
Ellipse standard job number	13066
Ellipse standard job description	Renew H/S registration Arm – Hook/eye dam.
Category	Registration
Priority	Yes
Types of OLE affected	Mk3a; Mk3b; Mk3c; Mk3d
Original equipment dates	After 2002

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