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OVERHEAD LINE CAMPAIGN CHANGES – DATA SHEET					
07	UPGRADING OF IN-SPAN CATENARY TO CONTACT WIRE JUMPERS				
COMPONENT	In-span catenary to contact wire jumpers.				
PROBLEM	Insufficient jumpering leads to transfer of traction current through droppers. This causes burning to and damage of catenary and failure of droppers.				
ACTION REQUIRED	<p>1. Install extra catenary to contact wire jumpers. The number of jumpers per tension length should be increased as follows:</p> <table border="1"> <tr> <td>Normal</td><td>5 jumpers per tension length</td></tr> <tr> <td>High current AWAC systems</td><td>9 jumpers per tension length</td></tr> </table> <p>2. Current carrying droppers can also be installed.</p> <p>Note that previously the only route assessed as High Current AWAC was on HS1 route at Ashford chords. Other routes can be justified where sufficient supporting evidence exists.</p>	Normal	5 jumpers per tension length	High current AWAC systems	9 jumpers per tension length
Normal	5 jumpers per tension length				
High current AWAC systems	9 jumpers per tension length				

Reference Information	
Ellipse standard job number	13007
Ellipse standard job description	Install additional in-span jumper
Category	Jumper
Priority	Yes
Types of OLE affected	Mk3a; Mk3b
Original equipment dates	Before 1985

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