OVERHEAD LINE CAMPAIGN CHANGES – DATA SHEET

39	REVISED STAGGER AND MID SPAN OFFSET CRITERIA FOR ENHANCED SWAY CHARACTERISTICS

COMPONENT

System parameters (Contact wire stagger and mid span offset and pantograph sway allowance).

PROBLEM

Older designs of equipment were built with a smaller pantograph sway allowance and larger mid span offset and stagger values than with Mark 3b (high speed) and UK1 overhead line designs.

This carries an increased risk of dewirement and gauge infringement in those areas.

Note: This campaign change was previously reported as completed.

ACTION REQUIRED

1. Adjust contact wire staggers and mid span offsets to Mk3b (high speed) and UK1 parameters.
2. Apply Mk3b / UK1 sway values when gauging structures and assessing minimum staggers etc.
3. Install new blow off structures where these criteria cannot be achieved.

When assessing the impact of greater sway values, a probability assessment can be applied using a suitable modelling tool to analyse sway in specific conditions.

Reference Information	
Ellipse standard job number	13039
Ellipse standard job description	Implement revised stagger and MS offsets
Category	Configuration
Priority	No
Types of OLE affected	Mk1; Mk3a; Mk3b; Mk3c; Mk3d
Original equipment dates	Before 1986

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