

DIS131

Sequential Calling of Point Ends with the Same Number At Balshaw Lane, Euxton

Issue 3

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Approved by:

Chairman, SSI Signalling Principles Group

This document contains 8 pages and was approved (subject to minor amendments now incorporated) by SSISPG at the meeting of 07/09/2005.

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1. Document Status

The first draft was not discussed at the August SSI SPG meeting, but some comments were received.

The document was approved subject to minor amendments (now incorporated) at the September 7 2005 meeting of SSI SPG

2. Contents

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3. Purpose of Paper

This document details the requirements for the sequential calling of Point Ends to replicate the existing protection at a double junction with a switch diamond.

British Rail Research Report STG-D-PDS(SSS)-RP-17 into an incident with a single slip with switch diamonds at Watford Junction Points 3011, 3012 and 3013, and SSISPG response, 06-12-95, have been taken into account and recommendations implemented within the data constructs.

SSI8003-71 'Divided Sets of Points' covers data preparation for points which are divided for various reasons, split across TFMs and also split for detection. While Euxton is an interfaced SSI, this data is based on that in SSI8003-71, and it is anticipated that this may lead to an additional section therein.

4. Requirements

Euxton Junction relay interlocking is a Westpac Mk3A Geographical interlocking currently controlled from Preston PSB via a TDM69. A contract has been awarded to replace the interlocking with an Interfaced SSI with TFMs at Euxton controlled via LDT from the Central Interlocking situated at Preston PSB. This is classed as a re-interlocking and not a re-signalling, as the majority of the lineside circuits will remain unaffected. Points 601 at Balshaw Lane Junction [Quail 4, 2005 ed., p27B] are 3 separate style 63 point machines driving a turnout [C] and a switch diamond [A and B]. The arrangement of 601 points is shown below: