

SSI Data Preparation Obsolescent Data

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I. Introduction

This document holds data methods which have been made obsolescent by newer methods shown in SSI8003. The purpose in recording these obsolete data methods is to permit data prepared to such methods to be subsequently altered for minor changes to signalling schemes without upgrading the data to the current method.

Before using this document to make such data changes, it is incumbent on the user to establish what data method has been used, whether any subsequent modifications to the data may have been made, or whether the data is a hybrid utilising various data methodologies. The user is also required to establish whether the Infrastructure Controller does in fact require the old data method to be adhered to rather than upgrade the data to the current method.

Included obsolete data methods are shown under the following main section headings:

- 2 Boundary Through a Set of Points, i.e. Horizontal Boundaries

2. Boundary Through a Set of Points

The following Sections 2.1 to 2.7 and Figure 1 replicate Sections 1, 1.1 to 1.6 and Figure D1 respectively from SSI8003-51 D Issue Two dated February 1999. The only changes that have been made are improvements to the data style and any necessary changes to cross-references. All other SSI8003 documents referred to are those issues as listed in RT/E/S/17002 Issue 5, i.e. as in the SSI Applications Manual as of August 1999.

2.1 General

The example in Figure C1 and the data in Section 1, both in SSI8003-51 C, describe an "end on" boundary between two Interlocking areas, such as would occur where one Interlocking is used to control each end of a through station. The advantages of this choice of boundary are that each set of points is entirely contained within a single Interlocking. Another type of boundary is illustrated in Figure 1, where two sets of parallel tracks are controlled from separate Interlockings, and the boundary must pass through a connecting crossover. The method of setting and releasing a route over the boundary is the same as described above for the "end-on" boundary, but a similar process is also necessary when the points are to be moved by means of a points key, or one of the parallel routes requiring the points normal is requested.

In the example points 103 are connected to one of the TFM's controlled from Interlocking "SOUTH", and this Interlocking's Panel Processor deals with the points key detection and points indications. As in the examples in SSI8003-51 C, the telegrams on the Internal Data Links between the two Interlockings include one telegram used to convey request codes, and a second telegram within which either individual bits or a three bit code are used to convey aspect control and map search information for the routes between the two Interlockings. In the "SOUTH" to "NORTH" direction, two additional bits in the second telegram (or, if these are not available, two bits