

Retrofitting DIS

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3.1	01/11/1999	Amended for retrofitting with DIS based on MVME172 boards housed in a new, EMC-compliant, 19-inch rack.
3.2	14/07/2000	Level (interface) Converters replaced by Combined Level Converters.
4	23/05/2001	Amended to cover the CD-ROM facility.
5	30/10/2003	Amended to be applicable to all IECC-approved MVME172 board variants. Text relating to non-MVME172 DIS removed. Description of first fitment of MVME172 boards amended. Installation of DIS amended to include download of program and data for CD-ROM based DIS. Combined Level Converter amended to DIS Level Converter. Survey of existing alarms added. Configuration of alarm card amended. Railtrack amended to Network Rail.

Author	Approved	Date	Authorised	Date
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I Introduction

I.1 PURPOSE

This document is a guide to installing the Flexible Display Subsystem (DIS) based on MVME172 boards housed in an EMC-compliant rack, in place of the existing Signalling Display Subsystem (SDS) in a commissioned Integrated Electronic Control Centre (IECC).

It is aimed at installation engineers and contractors responsible for planning and implementing the retrofit.

I.2 STRUCTURE

This document contains the following sections:

- Section 1 provides the document introduction.
- Section 2 lists the terms and abbreviations used throughout the document.
- Section 3 provides background information on DIS.
- Section 4 considers the actions to be taken before installing DIS in place of SDS.
- Section 5 outlines the installation procedures themselves.
- Section 6 contains a list of references to associated documentation.

I.3 BASIS FOR THIS GUIDE

During January 1997, DIS was installed on the Training Workstation (TRW) at the Liverpool Street Signalling Control Centre (SCC). Experience gained whilst installing DIS as a replacement for the original SDS, together with other related activities, forms the basis for this retrofitting guide.

The version of DIS installed on the TRW used a mixture of MVME board types, and the replacement of SDS by this mixed board DIS was covered in previous issues of this retrofitting guide.

Subsequently DIS based on MVME172 boards housed in a new, EMC-compliant, 19-inch rack has replaced the mixed board DIS.

This current retrofitting guide covers the replacement of SDS by MVME172-based DIS in an EMC-compliant rack. It is applicable to all variants of the MVME172 board approved for use in IECC, and the generic term 'MVME172' when used in this document includes all IECC-approved MVME172 board variants. Any of these variants, suitably configured, can be used in any position where a MVME172 board is required.