

# **Data Preparation, Compilation, Release and Build Standards**

For approval and authorisation of this document, please refer to the IECC Applications Manual Contents, RT/E/S/I0040.

This document is the property of Railtrack PLC (in Railway Administration).

It shall not be reproduced in whole or in part, nor disclosed to a third party, without the prior written permission of the Technical Director, Railtrack PLC (in Railway Administration).

**Published by:**  
**Technical Director**  
**Railtrack PLC (in Railway Administration)**

**©2001 RAILTRACK PLC**  
(in Railway Administration)

This page is intentionally blank

.....

# Amendment Record

| Issue | Date      | Description                                                                                             |
|-------|-----------|---------------------------------------------------------------------------------------------------------|
| 4     | 29/10/99  | Converted to Word format by AEA Technology Rail.<br>Same as issue 3.                                    |
| 4.1   | 18/11/99  | Sections 2.1.1, 2.1.2, 2.2.2, 2.2.3, 3.3, 4.1, 5.2 and 5.5<br>amended as a result of a document review. |
| 5     | 23/5/2001 | Amended to cover the CD-ROM facility.                                                                   |

|        |          |      |            |      |
|--------|----------|------|------------|------|
| Author | Approved | Date | Authorised | Date |
|--------|----------|------|------------|------|

IECC DATA PREPARATION  
IDPM 0301 DATA PREPARATION, COMPILATION,  
RELEASE AND BUILD STANDARDS

SAO-IEC-HD-19 Issue 5

.....

# Contents

|          |                                                     |           |
|----------|-----------------------------------------------------|-----------|
| <b>I</b> | <b>Introduction</b>                                 | <b>I</b>  |
| <b>2</b> | <b>Computing And Other Facilities</b>               | <b>2</b>  |
| 2.1      | REQUIREMENTS                                        | 2         |
| 2.2      | DEVELOPMENT SYSTEM ORGANISATION                     | 3         |
| <b>3</b> | <b>Automatic Data Preparation (ADP)</b>             | <b>8</b>  |
| 3.1      | ADP SYSTEM                                          | 8         |
| 3.2      | SIGNALLING DISPLAY SCREEN TOOLS                     | 9         |
| 3.3      | OTHER INFORMATION AND TRAINING                      | 10        |
| <b>4</b> | <b>Data Releases</b>                                | <b>11</b> |
| 4.1      | COMMON PROCESSES                                    | 11        |
| 4.2      | TAPE/FLOPPY DISK RELEASE                            | 12        |
| <b>5</b> | <b>Build Procedures and EPROM/CD-ROM Generation</b> | <b>13</b> |
| 5.1      | DATA BUILD                                          | 13        |
| 5.2      | SOFTWARE UPDATE                                     | 13        |
| 5.3      | S-RECORD AND BINARY FILE GENERATION                 | 14        |
| 5.4      | EPROM BLOWING AND CD-ROM CREATION                   | 14        |
| 5.5      | REPORT GENERATION                                   | 14        |
| 5.6      | OTHER INFORMATION                                   | 15        |

IECC DATA PREPARATION  
IDPM 0301 DATA PREPARATION, COMPILATION,  
RELEASE AND BUILD STANDARDS

SAO-IEC-HD-19 Issue 5

# I Introduction

This document defines the technical standards required to ensure that IECC data is prepared, compiled, released and built (with the IECC software) in such a way as to minimise rework due to errors or misunderstandings.

It is assumed that the data preparers' organisation already have their own quality procedures, preferably to the ISO 9001 standard. This document defines the organisation of the main computing facilities which are required for data preparation together with procedures to ensure the end product is auditable.

It is assumed that the Automatic Data Preparation (ADP) tools and utilities are used by the data preparers. For those still using manual methods, the necessary amendments to data and procedures are highlighted but the detailed data preparation methods are not discussed.

The document is split up into four parts :-

- (a) Requirements and organisation of the main computing facilities;
- (b) Data preparation through use of the ADP tools and utilities;
- (c) Control of data releases; and
- (d) Build procedures and generation of EPROM sets and CD-ROMs.

It should be noted that this document does not discuss the control of source data and desk checking of data. It is assumed the former is covered by the data preparers' own organisation's quality procedures, the latter is discussed elsewhere in this Manual.