



National Standards Authority of Ireland

IRISH STANDARD

I.S. CLC/TS 50459-4:2005

ICS 03.220.30
13.180
35.240.60

**RAILWAY APPLICATIONS -
COMMUNICATION, SIGNALLING AND
PROCESSING SYSTEMS - EUROPEAN RAIL
TRAFFIC MANAGEMENT SYSTEM -
DRIVER-MACHINE INTERFACE -- PART 4:
DATA ENTRY FOR THE
ERTMS/ETCS/GSM-R SYSTEMS**

National Standards
Authority of Ireland
Glasnevin, Dublin 9
Ireland

Tel: +353 1 807 3800
Fax: +353 1 807 3838
<http://www.nsai.ie>

Sales
<http://www.standards.ie>

*This Irish Standard was
published under the
authority of the National
Standards Authority of
Ireland and comes into
effect on:
September 30, 2005*

**NO COPYING WITHOUT NSAI
PERMISSION EXCEPT AS
PERMITTED BY COPYRIGHT
LAW**

© NSAI 2005

Price Code G

Údarás um Chaighdeán Náisiúnta na hÉireann

TECHNICAL SPECIFICATION

CLC/TS 50459-4

SPECIFICATION TECHNIQUE

TECHNISCHE SPEZIFIKATION

September 2005

ICS 03.220.30; 13.180; 35.240.60

English version

**Railway applications –
Communication, signalling and processing systems –
European Rail Traffic Management System –
Driver-Machine Interface
Part 4: Data entry for the ERTMS/ETCS/GSM-R systems**

Applications ferroviaires –
Systèmes de signalisation, de
télécommunications et de traitement –
Système européen de gestion du trafic
ferroviaire –
Interface de conduite
Partie 4: Entrée de données pour les
systèmes ERTMS/ETCS/GSM-R

Bahnanwendungen –
Telekommunikationstechnik, Signal-
technik und Datenverarbeitungssysteme –
Europäisches Leitsystem für den
Schienenverkehr –
Mensch-Maschine Schnittstelle
Teil 4: Dateneingabe für
ERTMS/ETCS/GSM-R Systeme

This Technical Specification was approved by CENELEC on 2005-05-07.

CENELEC members are required to announce the existence of this TS in the same way as for an EN and to make the TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

This Technical Specification was prepared by SC 9XA, Communication, signalling and processing systems, of Technical Committee CENELEC TC 9X, Electrical and electronic applications for railways.

The text of the draft was submitted to the vote and was approved by CENELEC as CLC/TS 50459-4 on 2005-05-07.

The following date was fixed:

- latest date by which the existence of the CLC/TS
has to be announced at national level (doa) 2005-11-07

This Technical Specification has been prepared under mandates M/024 and M/334 given to CENELEC by the European Commission and the European Free Trade Association.

Contents

	Page
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
4 Symbols and abbreviations	7
5 Data entry	7
5.1 Data entry general principles	7
5.1.1 Data entry operation	7
5.1.2 Data entry means	7
5.1.3 State of a data	8
5.1.4 Default data	8
5.1.5 Entry/change sequence	8
5.1.6 Data entry/change accessibility	8
5.1.7 Data entry/change window navigation	9
5.1.8 Data validation window navigation	9
5.2 Data windows	10
5.2.1 Data entry/change window	10
5.2.2 Data view window	14
5.2.3 Data validation window	15
5.2.4 Language window	17
Annex A (informative) Implementation examples of data entry screens	19
Bibliography	20
Figure 1 — Data entry/change window with [enter all] enabled	9
Figure 2 — General overview screen location	10
Figure 3 — Full data entry/change window, whilst not all data is yet accepted	11
Figure 4 — Full data entry/change window, whilst all data is accepted	11
Figure 5 — Partial data entry/change windows: multiple variable entry	13
Figure 6 — Partial data entry/change windows: one variable entry	13
Figure 7 — Data view window	14
Figure 8 — Full window for data validation	15
Figure 9 — Partial window for data validation	16
Figure 10 — Language windows	18
Figure A.1 — Soft key arrangement 1	19
Figure A.2 — Soft key arrangement 2	19

Introduction

This Technical Specification forms Part 4 of a series, the other parts being:

CLC/TS 50459-1 for ergonomic principles for the presentation of ERTMS/ETCS/GSM-R information

CLC/TS 50459-2 for ergonomic arrangements of ERTMS/ETCS information

CLC/TS 50459-3 for ergonomic arrangements of ERTMS/GSM-R information

CLC/TS 50459-5 for symbols for ERTMS/ETCS/GSM-R

CLC/TS 50459-6 for audible information for ERTMS/ETCS/GSM-R

These Technical Specifications contain the ergonomic arrangements of information on the ERTMS DMI Display. Most items are illustrated with an example.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-