

Railway applications — Electromagnetic compatibility —

Part 4: Emission and immunity of the signalling and telecommunications apparatus

ICS 33.100.01; 29.280; 45.020

National foreword

This British Standard is the UK implementation of EN 50121-4:2006, incorporating corrigendum May 2008. It supersedes BS EN 50121-4:2000 which is withdrawn.

The start and finish of text introduced or altered by corrigendum is indicated in the text by tags. Text altered by CENELEC corrigendum May 2008 is indicated in the text by AC1 AC1.

The UK participation in its preparation was entrusted to Technical Committee GEL/9, Railway electrotechnical applications.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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**Railway applications -
Electromagnetic compatibility
Part 4: Emission and immunity of the signalling and
telecommunications apparatus**

Applications ferroviaires -
Compatibilité électromagnétique
Partie 4: Emission et immunité
des appareils de signalisation
et de télécommunication

Bahnanwendungen -
Elektromagnetische Verträglichkeit
Teil 4: Störaussendungen und
Störfestigkeit von Signal- und
Telekommunikationseinrichtungen

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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CENELEC

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

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Foreword

This European Standard was prepared by Technical Committee TC 9X: Electrical and electronic applications for railways. The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50121-4 on 2006-07-01.

This European Standard supersedes EN 50121-4:2000.

This European Standard is to be read in conjunction with EN 50121-1.

This standard forms Part 4 of the European Standard series EN 50121, published under the general title "Railway applications - Electromagnetic compatibility". The series consists of:

- Part 1 : General
- Part 2 : Emission of the whole railway system to the outside world
- Part 3-1 : Rolling stock - Train and complete vehicle
- Part 3-2 : Rolling stock - Apparatus
- Part 4 : Emission and immunity of the signalling and telecommunications apparatus
- Part 5 : Emission and immunity of fixed power supply installations and apparatus

The following dates were fixed:

latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement	(dop) 2007-07-01
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This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and covers essential requirements of EC Directive [\[AC1\]](#) 2004/108/EC [\[AC1\]](#). See Annex ZZ.

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