



BSI Standards Publication

**Railway applications - Communication, signalling  
and processing systems - Safety-related  
communication in transmission systems**

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## National foreword

This British Standard is the UK implementation of EN 50159:2010+A1:2020. It supersedes BS EN 50159:2010, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee GEL/9/1, Railway Electrotechnical Applications - Signalling and communications.

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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### Amendments/corrigenda issued since publication

Date	Text affected
29 February 2020	Implementation of CENELEC amendment A1:2020: Annex ZZ replaced

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 50159:2010+A1**

February 2020

ICS 35.240.60; 45.020

English version

**Railway applications -  
Communication, signalling and processing systems -  
Safety-related communication in transmission systems**

Applications ferroviaires -  
Systèmes de signalisation,  
de télécommunication et de traitement -  
Communication de sécurité sur  
des systèmes de transmission

Bahnanwendungen -  
Telekommunikationstechnik,  
Signaltechnik und  
Datenverarbeitungssysteme -  
Sicherheitsrelevante Kommunikation  
in Übertragungssystemen

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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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European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
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