

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

FINAL DRAFT
EN 13979-1:2003+A1:2009

FprA2

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English Version

**Railway applications - Wheelsets and bogies - Monobloc wheels
- Technical approval procedure - Part 1: Forged and rolled
wheels**

Applications ferroviaires - Essieux montés et bogies -
Roues monobloc - Procédure d'homologation technique -
Partie 1: Roues forgées et laminées

Bahnanwendungen - Radsätze und Drehgestelle - Vollräder
- Technische Zulassungsverfahren - Teil 1: Geschmiedete
und gewalzte Räder

This draft amendment is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 256.

This draft amendment A2, if approved, will modify the European Standard EN 13979-1:2003+A1:2009. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

This draft amendment was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

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Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN 13979-1:2003/FprA2:2010) has been prepared by Technical Committee CEN/TC 256 "Railway applications", the secretariat of which is held by DIN.

This document is currently submitted to the Unique Acceptance Procedure.

This document has been prepared under a mandate given to CEN/CENELEC/ETSI by the European Commission and the European Free Trade Association, and supports essential requirements of [EU Directive 2008/57/EC](#).

For relationship with EU Directive 2008/57/EC, see informative Annex ZA, which is an integral part of this document.

EN 13979-1:2003/prA2:2010 (E)**1 Amendment of the foreword**

Replace the 11th paragraph of the Foreword with:

"This document has been prepared under a mandate given to CEN/CENELEC/ETSI by the European Commission and the European Free Trade Association, and supports essential requirements of **EU Directive 2008/57/EC**."

Replace the 12th paragraph of the Foreword with:

"For relationship with **EU Directive 2008/57/EC**, see informative Annex **ZA**, which is an integral part of this document."

2 Amendment of Annex ZA

Replace Annex ZA with the following Annex ZA:

"

Annex ZA
(informative)**Relationship between this European Standard and the Essential Requirements of EU Directive 2008/57/EC**

This European Standard has been prepared **under a mandate given to CEN/CENELEC/ETSI** by the European Commission to provide a means of conforming to Essential Requirements of the New Approach Directive 2008/57/EC¹.

Once this standard is cited in the Official Journal of the European Union under that Directive and has been implemented as a national standard in at least one Member State, compliance with the clauses of this standard given in Table ZA.1 for Freight Wagons, Table ZA.2 for Locomotives and Passenger Rolling Stock, confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding Essential Requirements of that Directive and associated EFTA regulations.

¹ The Directive 2008/57/EC adopted on 17 June 2008 is a recast of the previous Directives 96/48/EC 'Interoperability of the trans-European high-speed rail system' and 2001/16/EC 'Interoperability of the trans-European conventional rail system' and their revision by Directive 2004/50/EC of the European Parliament and of the Council of 29 April 2004 amending Council Directive 96/48/EC 'Interoperability of the trans-European high-speed rail system' and Directive 2001/16/EC of the European Parliament and of the Council 'Interoperability of the trans-European conventional rail system'.

Table ZA.1 – Correspondence between this European Standard, the CR Rolling Stock Freight Wagons TSI dated July 2006 and published in the Official Journal on 8 December 2006 and its intermediate revision published in the Official Journal on 14 February 2009 and Directive 2008/57/EC

Clauses/subclauses of this European Standard	Chapter/subclauses/annexes of the TSI	Corresponding text, articles/subclauses/annexes of Directive 2008/57/EC	Comments
Clauses 1 to 9 Annexes A to D Annex F	4.Characterization of the subsystem 4.2 Functional and technical specifications of the subsystem 4.2.3. Vehicle track interaction and gauging 4.2.3.4.1 Vehicle dynamic behaviour. General 4.2.4 Braking 4.2.4.1.2.5 Braking performance. Functional and technical specifications. Energy limits 4.3.8 Functional and technical specifications of the interfaces. Conventional rail "Noise" TSI 5 Interoperability constituents 5.3.2.3 List of constituents. Vehicle track interaction and gauging. Wheels 5.4.2.3 Constituents performances and specifications. Vehicle track interaction and gauging. Wheels 6 Assessment of conformity and/or suitability for use of the constituents and verification of the subsystem 6.1.3.2.3 Interoperability constituents. Specification for assessment of ICS. Vehicle track interaction and gauging. Wheels Annex E: Vehicle track interaction and gauging. Wheelset dimensions and tolerances for standard gauge Annex L: Vehicle track interaction and gauging. Wheels Annex Q: Assessment procedures, interoperability constituents Annex Y: Constituents Bogies and running gear Annex I of the intermediate revision: Clause 3 and 1.6 of its annex JJ-2-	Annex III, Essential requirements 1 General requirements 1.1 Safety 1.1.1, 1.1.2, 1.1.3 1.4 Environmental protection 1.4.4, 1.4.5 1.5 Technical compatibility §1 2 Requirements specific to each subsystem 2.3 Control-command and signalling 2.3.2 Technical compatibility §1 2.4 Rolling stock 2.4.2 Reliability and availability 2.4.3 Technical compatibility §3	

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Table ZA.2 – Correspondence between this European Standard, the Conventional Rail "Locomotives and Passenger RST" TSI (ST05EN05 dated 10 June 2010 and approved by the RISC) and Directive 2008/57/EC

Clauses/subclauses of this European Standard	Chapters/subclauses/points and annexes of the TSI	Corresponding text, articles/subclauses/annexes of Directive 2008/57/EC	Comments
Clauses 1 to 9 Annexes A to D Annex F	4.Characterization of the rolling stock subsystem 4.2 Functional and technical specification of the subsystem 4.2.3. Vehicle track interaction and gauging 4.2.3.5.2 Running gear. Wheelsets 4.2.3.5.2.2 Mechanical and geometric characteristics of the wheels. 4.2.4 <i>Braking</i> 4.2.4.5.4 Braking performance. <i>Calculations related to thermal capacity</i> 5 Interoperability constituents 5.3.2 Interoperability constituent specification. Wheels 6 Assessment of conformity and/or suitability for use 6.1.2 Interoperability constituents. Conformity assessment procedures	Annex III, Essential requirements 1 General requirements 1.1 Safety 1.1.1, 1.1.2, 1.1.3 1.4 Environmental protection 1.4.4, 1.4.5 1.5 Technical compatibility §1 2 Requirements specific to each subsystem 2.3 Control-command and signalling 2.3.2 Technical compatibility §1 2.4 Rolling stock 2.4.2 Reliability and availability 2.4.3 Technical compatibility §3	Subclauses 6.2, 6.3, 6.4, 7.2 and 7.3 of EN 13979-1:2003 are quoted in the TSI and are therefore a regulatory. Steel grades ER6, ER7, ER8 and ER9 quoted in 4.2.3.5.2.2 of the TSI are defined in EN 13262..

WARNING — Other requirements and other EU Directives may be applicable to the product(s) falling within the scope of this standard."