

**Commission communication in the framework of the implementation of the Council Directive  
96/48/EC of 23 July 1996 on the interoperability of the trans-European high-speed rail system**

(Text with EEA relevance)

*(Publication of titles and references of harmonised standards under the directive)*

(2010/C 97/02)

ESO (*)	Reference and title of the harmonised standard (and reference document)	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN ISO 3095:2005 Railway applications - Acoustics - Measurement of noise emitted by railbound vehicles (ISO 3095:2005)		
CEN	EN ISO 3381:2005 Railway applications - Acoustics - Measurement of noise inside railbound vehicles (ISO 3381:2005)		
CEN	EN 12082:2007 Railway applications - Axleboxes - Performance testing		
CEN	EN 12663:2000 Railway applications - Structural requirements of railway vehicle bodies		
CEN	EN 13103:2009 Railway applications - Wheelsets and bogies - Non-powered axles - Design method		
CEN	EN 13104:2009 Railway applications - Wheelsets and bogies - Powered axles - Design method		
CEN	EN 13129-1:2002 Railway applications - Air conditioning for main line rolling stock - Part 1: Comfort parameters		
CEN	EN 13129-2:2004 Railway applications - Air conditioning for main line rolling stock - Part 2: Type tests		
CEN	EN 13232-4:2005 Railway applications - Track - Switches and crossings - Part 4: Actuation, locking and detection		
CEN	EN 13232-5:2005 Railway applications - Track - Switches and crossings - Part 5: Switches		
CEN	EN 13232-6:2005 Railway applications - Track - Switches and crossings - Part 6: Fixed common and obtuse crossings		
CEN	EN 13232-7:2006 Railway applications - Track - Switches and crossings - Part 7: Crossings with moveable parts		

ESO (*)	Reference and title of the harmonised standard (and reference document)	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 13232-8:2007 Railway applications - Track - Switches and crossings - Part 8: Expansion devices		
CEN	EN 13232-9:2006 Railway applications - Track - Switches and crossings - Part 9: Layouts		
CEN	EN 13260:2009 Railway applications - Wheelsets and bogies - Wheelsets - Product requirements	EN 13260:2003 Note 2.1	Date expired (30.9.2009)
CEN	EN 13261:2009 Railway applications - Wheelsets and bogies - Axles - Product requirements		
CEN	EN 13262:2004+A1:2008 Railway applications - Wheelsets and bogies - Wheels - Product requirements	EN 13262:2004 Note 2.1	Date expired (31.5.2009)
CEN	EN 13272:2001 Railway applications - Electrical lighting for rolling stock in public transport systems		
CEN	EN 13481-1:2002 Railway applications - Track - Performance requirements for fastening systems - Part 1: Definitions  EN 13481-1:2002/A1:2006	Note 3	Date expired (28.2.2007)
CEN	EN 13481-2:2002 Railway applications - Track - Performance requirements for fastening systems - Part 2: Fastening systems for concrete sleepers  EN 13481-2:2002/A1:2006	Note 3	Date expired (28.2.2007)
CEN	EN 13481-5:2002 Railway applications - Track - Performance requirements for fastening systems - Part 5: Fastening systems for slab track  EN 13481-5:2002/A1:2006	Note 3	Date expired (28.2.2007)
CEN	EN 13674-1:2003+A1:2007 Railway applications - Track - Rail - Part 1: Vignole railway rails 46 kg/m and above	EN 13674-1:2003 Note 2.1	Date expired (31.5.2008)
CEN	EN 13674-2:2006 Railway applications - Track - Rail - Part 2: Switch and crossing rails used in conjunction with Vignole railway rails 46 kg/m and above		

ESO (*)	Reference and title of the harmonised standard (and reference document)	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 13674-3:2006 Railway applications - Track - Rail - Part 3: Check rails		
CEN	EN 13715:2006 Railway applications - Wheelsets and bogies - Wheels - Wheels tread		
CEN	EN 13848-1:2003+A1:2008 Railway applications - Track - Track geometry quality - Part 1: Characterisation of track geometry	EN 13848-1:2003 Note 2.1	Date expired (31.1.2009)
CEN	EN 13848-5:2008 Railway applications - Track - Track geometry quality - Part 5: Geometric quality levels		
CEN	EN 14067-5:2006 Railway applications - Aerodynamics - Part 5: Requirements and test procedures for aerodynamics in tunnels		
CEN	EN 14363:2005 Railway applications - Testing for the acceptance of running characteristics of railway vehicles - Testing of running behaviour and stationary tests		
CEN	EN 14531-1:2005 Railway applications - Methods for calculation of stopping distances, slowing distances and immobilization braking - Part 1: General algorithms		
CEN	EN 14535-1:2005 Railway applications - Brake discs for railway rolling stock - Part 1: Brake discs pressed or shrunk onto the axle or drive shaft, dimensions and quality requirements		
CEN	EN 14601:2005 Railway applications - Straight and angled end cocks for brake pipe and main reservoir pipe		
CEN	EN 14752:2005 Railway applications - Bodyside entrance systems		
CEN	EN 14813-1:2006 Railway applications - Air conditioning for driving cabs - Part 1: Comfort parameters		
CEN	EN 14813-2:2006 Railway applications - Air conditioning for driving cabs - Part 2: Type tests		
CEN	EN 15020:2006 Railway applications - Rescue coupler - Performance requirements, specific interface geometry and test methods		
CEN	EN 15152:2007 Railway applications - Front windscreens for train cabs		

ESO (*)	Reference and title of the harmonised standard (and reference document)	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 15153-1:2007 Railway applications - External visible and audible warning devices for high speed trains - Part 1: Head, marker and tail lamps		
CEN	EN 15153-2:2007 Railway applications - External visible and audible warning devices for high speed trains - Part 2: Warning horns		
CEN	EN 15220-1:2008 Railway applications - Brake indicators - Part 1: Pneumatically operated brake indicators		
CEN	EN 15227:2008 Railway applications - Crashworthiness requirements for railway vehicle bodies		
CEN	EN 15302:2008 Railway applications - Method for determining the equivalent conicity		
CEN	EN 15327-1:2008 Railway applications - Passenger alarm subsystem - Part 1: General requirements and passenger interface for the passenger emergency brake system		
CEN	EN 15355:2008 Railway applications - Braking - Distributor valves and distributor-isolating devices		
CEN	EN 15427:2008 Railway applications - Wheel/rail friction management - Flange lubrication		
CEN	EN 15551:2009 Railway applications - Railway rolling stock - Buffers		
CEN	EN 15566:2009 Railway applications - Railway rolling stock - Draw gear and screw coupling		
CEN	EN 15595:2009 Railway applications - Braking - Wheel slide protection		
CEN	EN 15611:2008 Railway applications - Braking - Relay valves		
CEN	EN 15612:2008 Railway applications - Braking - Brake pipe accelerator valve		
CEN	EN 15625:2008 Railway applications - Braking - Automatic variable load sensing devices		

ESO (*)	Reference and title of the harmonised standard (and reference document)	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
Cenelec	EN 50119:2001 Railway applications - Fixed installations - Electric traction overhead contact lines		
Cenelec	EN 50122-1:1997 Railway applications - Fixed installations - Part 1: Protective provisions relating to electrical safety and earthing		
Cenelec	EN 50124-1:2001 Railway applications - Insulation coordination - Part 1: Basic requirements - Clearances and creepage distances for all electrical and electronic equipment  EN 50124-1:2001/A1:2003  EN 50124-1:2001/A2:2005	Note 3  Note 3	Date expired (1.10.2006)  Date expired (1.5.2008)
Cenelec	EN 50124-2:2001 Railway applications - Insulation coordination - Part 2: Overvoltages and related protection		
Cenelec	EN 50125-1:1999 Railway applications - Environmental conditions for equipment - Part 1: Equipment on board rolling stock		
Cenelec	EN 50125-3:2003 Railway applications - Environmental conditions for equipment - Part 3: Equipment for signalling and telecommunications		
Cenelec	EN 50126-1:1999 Railway applications - The specification and demonstration of Reliability, Availability, Maintainability and Safety (RAMS) - Part 1: Basic requirements and generic process		
Cenelec	EN 50128:2001 Railway applications - Communication, signalling and processing systems - Software for railway control and protection systems		
Cenelec	EN 50129:2003 Railway applications - Communication, signalling and processing systems - Safety related electronic systems for signalling		
Cenelec	EN 50149:2001 Railway applications - Fixed installations - Electric traction - Copper and copper alloy grooved contact wires		
Cenelec	EN 50155:2001 Railway applications - Electronic equipment used on rolling stock		

ESO <sup>(1)</sup>	Reference and title of the harmonised standard (and reference document)	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
	EN 50155:2001/A1:2002	Note 3	Date expired (1.9.2005)
Cenelec	EN 50155:2007 Railway applications - Electronic equipment used on rolling stock	EN 50155:2001 and its amendment Note 2.1	Date expired (1.3.2010)
Cenelec	EN 50159-1:2001 Railway applications - Communication, signalling and processing systems - Part 1: Safety-related communication in closed transmission systems		
Cenelec	EN 50159-2:2001 Railway applications - Communication, signalling and processing systems - Part 2: Safety related communication in open transmission systems		
Cenelec	EN 50163:2004 Railway applications - Supply voltages of traction systems  EN 50163:2004/A1:2007	Note 3	Date expired (1.3.2010)
Cenelec	EN 50206-1:1998 Railway applications - Rolling stock - Pantographs: Characteristics and tests - Part 1: Pantographs for main line vehicles		
Cenelec	EN 50238:2003 Railway applications - Compatibility between rolling stock and train detection systems		
Cenelec	EN 50317:2002 Railway applications - Current collection systems - Requirements for and validation of measurements of the dynamic interaction between pantograph and overhead contact line  EN 50317:2002/A1:2004  EN 50317:2002/A2:2007	Note 3  Note 3	Date expired (1.10.2007)  Date expired (1.2.2010)
Cenelec	EN 50367:2006 Railway applications - Current collection systems - Technical criteria for the interaction between pantograph and overhead line (to achieve free access)		
Cenelec	EN 50388:2005 Railway applications - Power supply and rolling stock - Technical criteria for the coordination between power supply (substation) and rolling stock to achieve interoperability		

<sup>(1)</sup> ESO: European Standards Organisation:

— CEN: Avenue Marnix 17, 1000 Brussels, BELGIUM, Tel. +32 2 5500811; fax +32 2 5500819 (<http://www.cen.eu>)

— CENELEC: Avenue Marnix 17, 1000 Brussels, BELGIUM, Tel. +32 2 5196871; fax +32 2 5196919 (<http://www.cenelec.eu>)

— ETSI: 650, route des Lucioles, 06921 Sophia Antipolis, FRANCE, Tel. +33 492 944200; fax +33 493 654716, (<http://www.etsi.eu>)

- Note 1: Generally the date of cessation of presumption of conformity will be the date of withdrawal ('dow'), set by the European Standardisation Organisation, but attention of users of these standards is drawn to the fact that in certain exceptional cases this can be otherwise.
- Note 2.1: The new (or amended) standard has the same scope as the superseded standard. On the date stated, the superseded standard ceases to give presumption of conformity with the essential requirements of the directive.
- Note 2.2: The new standard has a broader scope than the superseded standard. On the date stated the superseded standard ceases to give presumption of conformity with the essential requirements of the directive.
- Note 2.3: The new standard has a narrower scope than the superseded standard. On the date stated the (partially) superseded standard ceases to give presumption of conformity with the essential requirements of the directive for those products that fall within the scope of the new standard. Presumption of conformity with the essential requirements of the directive for products that still fall within the scope of the (partially) superseded standard, but that do not fall within the scope of the new standard, is unaffected.
- Note 3: In case of amendments, the referenced standard is EN CCCC:YYYY, its previous amendments, if any, and the new, quoted amendment. The superseded standard (column 3) therefore consists of EN CCCC:YYYY and its previous amendments, if any, but without the new quoted amendment. On the date stated, the superseded standard ceases to give presumption of conformity with the essential requirements of the directive.

## NOTE:

- Any information concerning the availability of the standards can be obtained either from the European Standardisation Organisations or from the national standardisation bodies of which the list is annexed to the Directive 98/34/EC of the European Parliament and Council<sup>(1)</sup> amended by the Directive 98/48/EC<sup>(2)</sup>.
- Harmonised standards are adopted by the European Standardisation Organisations in English (CEN and CENELEC also publish in French and German). Subsequently, the titles of the harmonised standards are translated into all other required official languages of the European Union by the National Standards Bodies. The European Commission is not responsible for the correctness of the titles which have been presented for publication in the Official Journal.
- Publication of the references in the *Official Journal of the European Union* does not imply that the standards are available in all the Community languages.
- This list replaces all the previous lists published in the *Official Journal of the European Union*. The Commission ensures the updating of this list.
- More information about harmonised standards on the Internet at [http://ec.europa.eu/enterprise/policies/european-standards/harmonised-standards/index\\_en.htm](http://ec.europa.eu/enterprise/policies/european-standards/harmonised-standards/index_en.htm)

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<sup>(1)</sup> OJ L 204, 21.7.1998, p. 37.

<sup>(2)</sup> OJ L 217, 5.8.1998, p. 18.