

Commission communication in the framework of the implementation of the Directive 2008/57/EC of the European Parliament and of the Council on the interoperability of the rail system within the Community

(Publication of titles and references of harmonised standards under Union harmonisation legislation)

(Text with EEA relevance)

(2017/C 435/04)

ESO ⁽¹⁾	Reference and title of the standard (and reference document)	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
(1)	(2)	(3)	(4)
CEN	EN ISO 3381:2011 Railway applications — Acoustics — Measurement of noise inside railbound vehicles (ISO 3381:2005)		
CEN	EN 12080:2007+A1:2010 Railway applications — Axleboxes — Rolling bearings		
CEN	EN 12081:2007+A1:2010 Railway applications — Axleboxes — Lubricating greases		
CEN	EN 12082:2007+A1:2010 Railway applications — Axleboxes — Performance testing		
CEN	EN 12663-1:2010+A1:2014 Railway applications — Structural requirements of railway vehicle bodies — Part 1: Locomotives and passenger rolling stock (and alternative method for freight wagons)	EN 12663-1:2010 Note 2.1	8.7.2016
CEN	EN 12663-2:2010 Railway applications — Structural requirements of railway vehicle bodies — Part 2: Freight wagons		
CEN	EN 12665:2011 Light and lighting — Basic terms and criteria for specifying lighting requirements		
CEN	EN 13103:2009+A2:2012 Railway applications — Wheelsets and bogies — Non-powered axles — Design method	EN 13103:2009 +A1:2010 Note 2.1	31.1.2013
CEN	EN 13104:2009+A2:2012 Railway applications — Wheelsets and bogies — Powered axles — Design method	EN 13104:2009 +A1:2010 Note 2.1	30.4.2013

(1)	(2)	(3)	(4)
CEN	EN 13129:2016 Railway applications — Air conditioning for main line rolling stock — Comfort parameters and type tests		
CEN	EN 13145:2001+A1:2011 Railway applications — Track — Wood sleepers and bearers		
CEN	EN 13230-1:2016 Railway applications — Track — Concrete sleepers and bearers — Part 1: General requirements	EN 13230-1:2009 Note 2.1	The date of this publication
CEN	EN 13230-2:2016 Railway applications — Track — Concrete sleepers and bearers — Part 2: Prestressed monoblock sleepers	EN 13230-2:2009 Note 2.1	The date of this publication
CEN	EN 13230-3:2016 Railway applications — Track — Concrete sleepers and bearers — Part 3: Twin-block reinforced sleepers	EN 13230-3:2009 Note 2.1	The date of this publication
CEN	EN 13230-4:2009 Railway applications — Track — Concrete sleepers and bearers — Part 4: Prestressed bearers for switches and crossings		
CEN	EN 13232-2:2003+A1:2011 Railway applications — Track — Switches and crossings — Part 2: Requirements for geometric design		
CEN	EN 13232-3:2003+A1:2011 Railway applications — Track — Switches and crossings — Part 3: Requirements for wheel/rail interaction		
CEN	EN 13232-4:2005+A1:2011 Railway applications — Track — Switches and crossings — Part 4: Actuation, locking and detection		
CEN	EN 13232-5:2005+A1:2011 Railway applications — Track — Switches and crossings — Part 5: Switches		
CEN	EN 13232-6:2005+A1:2011 Railway applications — Track — Switches and crossings — Part 6: Fixed common and obtuse crossings		
CEN	EN 13232-7:2006+A1:2011 Railway applications — Track — Switches and crossings — Part 7: Crossings with moveable parts		
CEN	EN 13232-8:2007+A1:2011 Railway applications — Track — Switches and crossings — Part 8: Expansion devices		
CEN	EN 13232-9:2006+A1:2011 Railway applications — Track — Switches and crossings — Part 9: Layouts		

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CEN	EN 13260:2009+A1:2010 Railway applications — Wheelsets and bogies — Wheelsets — Product requirements		
CEN	EN 13261:2009+A1:2010 Railway applications — Wheelsets and bogies — Axles — Product requirements		
CEN	EN 13262:2004+A2:2011 Railway applications — Wheelsets and bogies — Wheels — Product requirements		
CEN	EN 13272:2012 Railway applications — Electrical lighting for rolling stock in public transport systems		
CEN	EN 13481-2:2012+A1:2017 Railway applications — Track — Performance requirements for fastening systems — Part 2: Fastening systems for concrete sleepers	EN 13481-2:2012 Note 2.1	The date of this publication
CEN	EN 13481-3:2012 Railway applications — Track — Performance requirements for fastening systems — Part 3: Fastening systems for wood sleepers		
CEN	EN 13481-5:2012+A1:2017 Railway applications — Track — Performance requirements for fastening systems — Part 5: Fastening systems for slab track with rail on the surface or rail embedded in a channel	EN 13481-5:2012 Note 2.1	The date of this publication
CEN	EN 13481-7:2012 Railway applications — Track — Performance requirements for fastening systems — Part 7: Special fastening systems for switches and crossings and check rails		
CEN	EN 13674-1:2011+A1:2017 Railway applications — Track — Rail — Part 1: Vignole railway rails 46 kg/m and above	EN 13674-1:2011 Note 2.1	The date of this publication
CEN	EN 13674-2:2006+A1:2010 Railway applications — Track — Rail — Part 2: Switch and crossing rails used in conjunction with Vignole railway rails 46 kg/m and above		
CEN	EN 13674-3:2006+A1:2010 Railway applications — Track — Rail — Part 3: Check rails		
CEN	EN 13715:2006+A1:2010 Railway applications — Wheelsets and bogies — Wheels — Tread profile		

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CEN	EN 13749:2011 Railway applications — Wheelsets and bogies — Method of specifying the structural requirements of bogie frames		
CEN	EN 13803-1:2010 Railway applications — Track — Track alignment design parameters — Track gauges 1 435 mm and wider — Part 1: Plain line		
CEN	EN 13803-2:2006+A1:2009 Railway applications — Track — Track alignment design parameters — Track gauges 1 435 mm and wider — Part 2: Switches and crossings and comparable alignment design situations with abrupt changes of curvature		
CEN	EN 13848-5:2008+A1:2010 Railway applications — Track — Track geometry quality — Part 5: Geometric quality levels — Plain line		
CEN	EN 13979-1:2003+A2:2011 Railway applications — Wheelsets and bogies — Monobloc wheels — Technical approval procedure — Part 1: Forged and rolled wheels	EN 13979-1:2003 +A1:2009 Note 2.1	30.9.2011
CEN	EN 14033-1:2017 Railway applications — Track — Railbound construction and maintenance machines — Part 1: Technical requirements for running	EN 14033-1:2011 Note 2.1	The date of this publication
CEN	EN 14067-4:2005+A1:2009 Railway applications — Aerodynamics — Part 4: Requirements and test procedures for aerodynamics on open track		
CEN	EN 14067-5:2006+A1:2010 Railway applications — Aerodynamics — Part 5: Requirements and test procedures for aerodynamics in tunnels		
CEN	EN 14067-6:2010 Railway applications — Aerodynamics — Part 6: Requirements and test procedures for cross wind assessment		
CEN	EN 14198:2016 Railway applications — Braking — Requirements for the brake system of trains hauled by locomotives		
CEN	EN 14531-1:2015 Railway applications — Methods for calculation of stopping and slowing distances and immobilization braking — Part 1: General algorithms utilizing mean value calculation for train sets or single vehicles	EN 14531-6:2009 Note 2.1	8.7.2016

(1)	(2)	(3)	(4)
CEN	EN 14531-2:2015 Railway applications — Methods for calculation of stopping and slowing distances and immobilization braking — Part 2: Step by step calculations for train sets or single vehicles	EN 14531-6:2009 Note 2.1	8.7.2016
CEN	EN 14535-1:2005+A1:2011 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 14535-2:2011 Railway applications — Brake discs for railway rolling stock — Part 2: Brake discs mounted onto the wheel, dimensions and quality requirements		
CEN	EN 14535-3:2015 Railway applications — Brake discs for railway rolling stock — Part 3: Brake discs, performance of the disc and the friction couple, classification		
CEN	EN 14587-2:2009 Railway applications — Track — Flash butt welding of rails — Part 2: New R220, R260, R260Mn and R350HT grade rails by mobile welding machines at sites other than a fixed plant		
CEN	EN 14601:2005+A1:2010 Railway applications — Straight and angled end cocks for brake pipe and main reservoir pipe		
CEN	EN 14752:2015 Railway applications — Body side entrance systems for rolling stock		
CEN	EN 14813-1:2006+A1:2010 Railway applications — Air conditioning for driving cabs — Part 1: Comfort parameters		
CEN	EN 14813-2:2006+A1:2010 Railway applications — Air conditioning for driving cabs — Part 2: Type tests		
CEN	EN 14865-1:2009+A1:2010 Railway applications — Axlebox lubricating greases — Part 1: Method to test the ability to lubricate		
CEN	EN 14865-2:2006+A2:2010 Railway applications — Axlebox lubricating greases — Part 2: Method to test the mechanical stability to cover vehicle speeds up to 200 km/h		

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CEN	EN 15020:2006+A1:2010 Railway applications — Rescue coupler — Performance requirements, specific interface geometry and test methods		
CEN	EN 15153-1:2013+A1:2016 Railway applications — External visible and audible warning devices for trains — Part 1: Head, marker and tail lamps	EN 15153-1:2013 Note 2.1	The date of this publication
CEN	EN 15153-2:2013 Railway applications — External visible and audible warning devices for trains — Part 2: Warning horns		
CEN	EN 15220:2016 Railway applications — Brake indicators	EN 15220-1:2008 +A1:2011 Note 2.1	The date of this publication
CEN	EN 15227:2008+A1:2010 Railway applications — Crashworthiness requirements for railway vehicle bodies		
CEN	EN 15273-2:2013+A1:2016 Railway applications — Gauges — Part 2: Rolling stock gauge	EN 15273-2:2013 Note 2.1	The date of this publication
CEN	EN 15273-3:2013+A1:2016 Railway applications — Gauges — Part 3: Structure gauges	EN 15273-3:2013 Note 2.1	The date of this publication
CEN	EN 15302:2008+A1:2010 Railway applications — Method for determining the equivalent conicity		
CEN	EN 15313:2016 Railway applications — In-service wheelset operation requirements — In-service and off-vehicle wheelset maintenance	EN 15313:2010 Note 2.1	The date of this publication
CEN	EN 15355:2008+A1:2010 Railway applications — Braking — Distributor valves and distributor-isolating devices		
CEN	EN 15427:2008+A1:2010 Railway applications — Wheel/rail friction management — Flange lubrication		
CEN	EN 15437-1:2009 Railway applications — Axlebox condition monitoring — Interface and design requirements — Part 1: Track side equipment and rolling stock axlebox		

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CEN	EN 15437-2:2012 Railway applications — Axlebox condition monitoring — Interface and design requirements — Part 2: Performance and design requirements of on-board systems for temperature monitoring		
CEN	EN 15461:2008+A1:2010 Railway applications — Noise emission — Characterisation of the dynamic properties of track sections for pass by noise measurements		
CEN	EN 15528:2015 Railway applications — Line categories for managing the interface between load limits of vehicles and infrastructure	EN 15528:2008 +A1:2012 Note 2.1	8.7.2016
CEN	EN 15551:2017 Railway applications — Railway rolling stock — Buffers	EN 15551:2009 +A1:2010 Note 2.1	The date of this publication
CEN	EN 15566:2016 Railway applications — Railway rolling stock — Draw gear and screw coupling	EN 15566:2009 +A1:2010 Note 2.1	The date of this publication
CEN	EN 15594:2009 Railway applications — Track — Restoration of rails by electric arc welding		
CEN	EN 15595:2009+A1:2011 Railway applications — Braking — Wheel slide protection		
CEN	EN 15610:2009 Railway applications — Noise emission — Rail roughness measurement related to rolling noise generation		
CEN	EN 15611:2008+A1:2010 Railway applications — Braking — Relay valves	EN 15611:2008 Note 2.1	30.4.2011
CEN	EN 15612:2008+A1:2010 Railway applications — Braking — Brake pipe accelerator valve	EN 15612:2008 Note 2.1	30.4.2011
CEN	EN 15624:2008+A1:2010 Railway applications — Braking — Empty-loaded changeover devices	EN 15624:2008 Note 2.1	30.4.2011
CEN	EN 15625:2008+A1:2010 Railway applications — Braking — Automatic variable load sensing devices	EN 15625:2008 Note 2.1	30.4.2011

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CEN	EN 15663:2009 Railway applications — Definition of vehicle reference masses		
	EN 15663:2009/AC:2010		
CEN	EN 15686:2010 Railway applications — Testing for the acceptance of running characteristics of railway vehicles with cant deficiency compensation system and/or vehicles intended to operate with higher cant deficiency than stated in EN 14363:2005, Annex G		
CEN	EN 15687:2010 Railway applications — Testing for the acceptance of running characteristics of freight vehicles with static axle loads higher than 225 kN and up to 250 kN		
CEN	EN 15723:2010 Railway applications — Closing and locking devices for payload protecting devices against environmental influences — Requirements for durability, operation, indication, maintenance, recycling		
CEN	EN 15734-1:2010 Railway applications — Braking systems of high speed trains — Part 1: Requirements and definitions		
CEN	EN 15734-2:2010 Railway applications — Braking systems of high speed trains — Part 2: Test methods		
CEN	EN 15734-2:2010/AC:2012		
CEN	EN 15746-1:2010+A1:2011 Railway applications — Track — Road-rail machines and associated equipment — Part 1: Technical requirements for running and working	EN 15746-1:2010 Note 2.1	30.4.2011
CEN	EN 15746-2:2010+A1:2011 Railway applications — Track — Road-rail machines and associated equipment — Part 2: General safety requirements	EN 15746-2:2010 Note 2.1	30.4.2012
CEN	EN 15806:2010 Railway applications — Braking — Static brake testing		
CEN	EN 15807:2011 Railway applications — Pneumatic half couplings		
CEN	EN 15827:2011 Railway applications — Requirements for bogies and running gears		

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CEN	EN 15839:2012 Railway applications — Testing for the acceptance of running characteristics of railway vehicles — Freight wagons — Testing of running safety under longitudinal compressive forces		

Date of removal of the reference of this obsolete harmonised standard from the OJ: 31.1.2018. The removal is due to the fact that the standard in question has been withdrawn by the relevant ESO and is no longer an adopted European standard within the meaning of Article 2(1) point (c) of Regulation (EU) No 1025/2012 (OJ L 316, 14.11.2012).

CEN	EN 15877-1:2012 Railway applications — Marking on railway vehicles — Part 1: Freight wagons		
CEN	EN 15877-2:2013 Railway applications — Markings of railway vehicles — Part 2: External markings on coaches, motive power units, locomotives and on track machines		
CEN	EN 15892:2011 Railway applications — Noise Emission — Measurement of noise inside driver's cabs		
CEN	EN 16019:2014 Railway applications — Automatic coupler — Performance requirements, specific interface geometry and test method		
CEN	EN 16116-1:2013 Railway applications — Design requirements for steps, handrails and associated access for staff — Part 1: Passenger vehicles, luggage vans and locomotives		
CEN	EN 16116-2:2013 Railway applications — Design requirements for steps, handrails and associated access for staff — Part 2: Freight wagons		
CEN	EN 16185-1:2014 Railway applications — Braking systems of multiple unit trains — Part 1: Requirements and definitions		
CEN	EN 16185-2:2014 Railway applications — Braking systems of multiple unit trains — Part 2: Test methods		
CEN	EN 16186-3:2016 Railway applications — Driver's cab — Part 3: Design of displays		The date of this publication
CEN	EN 16207:2014 Railway applications — Braking — Functional and performance criteria of Magnetic Track Brake systems for use in railway rolling stock		

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CEN	EN 16235:2013 Railway application — Testing for the acceptance of running characteristics of railway vehicles — Freight wagons — Conditions for dispensation of freight wagons with defined characteristics from on-track tests according to EN 14363		
CEN	EN 16241:2014+A1:2016 Railway applications — Slack adjuster	EN 16241:2014 Note 2.1	The date of this publication
CEN	EN 16286-1:2013 Railway applications — Gangway systems between vehicles — Part 1: Main applications		
CEN	EN 16334:2014 Railway applications — Passenger Alarm System — System requirements		
CEN	EN 16404:2016 Railway applications — Re-railing and recovery requirements for railway vehicles	EN 16404:2014 Note 2.1	The date of this publication
CEN	EN 16494:2015 Railway applications — Requirements for ERTMS Trackside Boards		
CEN	EN 16584-1:2017 Railway applications — Design for PRM use — General requirements — Part 1: Contrast		
CEN	EN 16584-2:2017 Railway applications — Design for PRM use — General requirements — Part 2: Information		
CEN	EN 16584-3:2017 Railway applications — Design for PRM use — General requirements — Part 3: Optical and friction characteristics		
CEN	EN 16585-1:2017 Railway applications — Design for PRM use — Equipment and components onboard rolling stock — Part 1: Toilets		
CEN	EN 16585-2:2017 Railway applications — Design for PRM use — Equipment and components on board rolling stock — Part 2: Elements for sitting, standing and moving		
CEN	EN 16585-3:2017 Railway applications — Design for PRM use — Equipment and components on board rolling stock — Part 3: Clearways and internal doors		

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CEN	EN 16586-1:2017 Railway applications — Design for PRM use — Accessibility of persons with reduced mobility to rolling stock — Part 1: Steps for access and egress		
CEN	EN 16586-2:2017 Railway applications — Design for PRM use — Accessibility of persons with reduced mobility to rolling stock — Part 2: Boarding aids		
CEN	EN 16587:2017 Railway applications — Design for PRM Use — Requirements on obstacle free routes for infrastructure		
CEN	EN 16683:2015 Railway applications — Call for aid and communication device — Requirements		
CEN	EN 16729-1:2016 Railway applications — Infrastructure — Non-destructive testing on rails in track — Part 1: Requirements for ultrasonic inspection and evaluation principles		
CEN	EN 45545-1:2013 Railway applications — Fire protection on railway vehicles — Part 1: General		
CEN	EN 45545-2:2013+A1:2015 Railway applications — Fire protection on railway vehicles — Part 2: Requirements for fire behaviour of materials and components	EN 45545-2:2013 Note 2.1	8.7.2016
CEN	EN 45545-3:2013 Railway applications — Fire protection on railway vehicles — Part 3: Fire resistance requirements for fire barriers		
CEN	EN 45545-4:2013 Railway applications — Fire protection on railway vehicles — Part 4: Fire safety requirements for rolling stock design		
CEN	EN 45545-5:2013+A1:2015 Railway applications — Fire protection on railway vehicles — Part 5: Fire safety requirements for electrical equipment including that of trolley buses, track guided buses and magnetic levitation vehicles	EN 45545-5:2013 Note 2.1	8.7.2016
CEN	EN 45545-6:2013 Railway applications — Fire protection on railway vehicles — Part 6: Fire control and management systems		

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CEN	EN 45545-7:2013 Railway applications — Fire protection on railway vehicles — Part 7: Fire safety requirements for flammable liquid and flammable gas installations		
Cenelec	EN 50122-1:2011 Railway applications — Fixed installations — Electrical safety, earthing and the return circuit — Part 1: Protective provisions against electric shock		
	EN 50122-1:2011/AC:2012		
Cenelec	EN 50122-2:2010 Railway applications — Fixed installations — Electrical safety, earthing and the return circuit — Part 2: Provisions against the effects of stray currents caused by d.c. traction systems		
Cenelec	EN 50122-3:2010 Railway applications — Fixed installations — Electrical safety, earthing and the return circuit — Part 3: Mutual Interaction of a.c. and d.c. traction systems		
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	Note 3	1.10.2006
	EN 50124-1:2001/A2:2005	Note 3	1.5.2008
	EN 50124-1:2001/AC:2010		
	EN 50124-1:2001/AC:2007		
Cenelec	EN 50124-1:2017 Railway applications — Insulation coordination — Part 1: Basic requirements — Clearances and creepage distances for all electrical and electronic equipment	EN 50124-1:2001 + A1:2003 + A2:2005 Note 2.1	6.2.2020
Cenelec	EN 50124-2:2001 Railway applications — Insulation coordination — Part 2: Over-voltages and related protection		
	EN 50124-2:2001/AC:2010		

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Cenelec	EN 50124-2:2017 Railway applications — Insulation coordination — Part 2: Over-voltages and related protection	EN 50124-2:2001 Note 2.1	6.2.2020
Cenelec	EN 50125-2:2002 Railway applications — Environmental conditions for equipment — Part 2: Fixed electrical installations		
	EN 50125-2:2002/AC:2010		
Cenelec	EN 50125-3:2003 Railway applications — Environmental conditions for equipment — Part 3: Equipment for signalling and telecommunications		
	EN 50125-3:2003/AC:2010		
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		
	EN 50126-1:1999/AC:2012		
	EN 50126-1:1999/AC:2010		
	EN 50126-1:1999/AC:2006		
Cenelec	EN 50129:2003 Railway applications — Communication, signalling and processing systems — Safety related electronic systems for signalling		
	EN 50129:2003/AC:2010		
Cenelec	EN 50151:2003 Railway applications — Fixed installations — Electric traction — Special requirements for composite insulators		
	EN 50151:2003/AC:2010		
Cenelec	EN 50155:2007 Railway applications — Electronic equipment used on rolling stock	EN 50155:2001 Note 2.1	
	EN 50155:2007/AC:2012		
	EN 50155:2007/AC:2010		

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Cenelec	EN 50159:2010 Railway applications — Communication, signalling and processing systems — Safety-related communication in transmission systems	EN 50159-1:2001 EN 50159-2:2001 Note 2.1	1.9.2013
Cenelec	EN 50163:2004 Railway applications — Supply voltages of traction systems		
	EN 50163:2004/A1:2007	Note 3	1.3.2010
	EN 50163:2004/AC:2013		
	EN 50163:2004/AC:2010		
Cenelec	EN 50238-1:2003 Railway applications — Compatibility between rolling stock and train detection systems — Part 1: General		
	EN 50238-1:2003/AC:2014		
Cenelec	EN 50317:2012 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 + A2:2007 Note 2.1	26.12.2014
	EN 50317:2012/AC:2012		
Cenelec	EN 50367:2012 Railway applications — Current collection systems — Technical criteria for the interaction between pantograph and overhead line (to achieve free access)		
	EN 50367:2012/AC:2013		
	EN 50367:2012/A1:2016	Note 3	25.7.2019
Cenelec	EN 50388:2012 Railway Applications — Power supply and rolling stock — Technical criteria for the coordination between power supply (substation) and rolling stock to achieve interoperability	EN 50388:2005 Note 2.1	13.2.2015
	EN 50388:2012/AC:2013		

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Cenelec	EN 50405:2015 Railway applications — Current collection systems — Pantographs, testing methods for contact strips		
	EN 50405:2015/A1:2016	Note 3	The date of this publication
Cenelec	EN 50463-1:2012 Railway applications — Energy measurement on board trains — Part 1: General		
Cenelec	EN 50463-2:2012 Railway applications — Energy measurement on board trains — Part 2: Energy measuring		
Cenelec	EN 50463-3:2012 Railway applications — Energy measurement on board trains — Part 3: Data handling		
Cenelec	EN 50463-4:2012 Railway applications — Energy measurement on board trains — Part 4: Communication		
Cenelec	EN 50463-5:2012 Railway applications — Energy measurement on board trains — Part 5: Conformity assessment		
Cenelec	EN 50533:2011 Railway applications — Three-phase train line voltage characteristics		
	EN 50533:2011/A1:2016	Note 3	The date of this publication
Cenelec	EN 50553:2012 Railway applications — Requirements for running capability in case of fire on board of rolling stock		
	EN 50553:2012/AC:2013		
	EN 50553:2012/A1:2016	Note 3	15.2.2019
Cenelec	EN 50592:2016 Railway applications — Testing of rolling stock for electromagnetic compatibility with axle counters		
Cenelec	EN 50617-1:2015 Railway applications — Technical parameters of train detection systems for the interoperability of the trans-European railway system — Part 1: Track circuits		

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Cenelec	EN 50617-2:2015 Railway Applications — Technical parameters of train detection systems for the interoperability of the trans-European railway system — Part 2: Axle counters		
	EN 50617-2:2015/AC:2016		
Cenelec	EN 61375-1:2012 Electronic railway equipment — Train communication network (TCN) — Part 1: General architecture IEC 61375-1:2012		
Cenelec	EN 61375-2-1:2012 Electronic railway equipment — Train communication network (TCN) — Part 2-1: Wire Train Bus (WTB) IEC 61375-2-1:2012		
Cenelec	EN 61375-2-2:2012 Electronic railway equipment — Train communication network (TCN) — Part 2-2: Wire Train Bus conformance testing IEC 61375-2-2:2012		
Cenelec	EN 61375-2-5:2015 Electronic railway equipment — Train communication network (TCN) — Part 2-5: Ethernet train backbone IEC 61375-2-5:2014		
Cenelec	EN 61375-3-1:2012 Electronic railway equipment — Train communication network (TCN) — Part 3-1: Multifunction Vehicle Bus (MVB) IEC 61375-3-1:2012		
Cenelec	EN 61375-3-2:2012 Electronic railway equipment — Train communication network (TCN) — Part 3-2: MVB (Multifunction Vehicle Bus) conformance testing IEC 61375-3-2:2012		
Cenelec	EN 61375-3-3:2012 Electronic railway equipment — Train communication network (TCN) — Part 3-3: CANopen Consist Network (CCN) IEC 61375-3-3:2012		
Cenelec	EN 62580-1:2016 Electronic railway equipment — On-board multimedia and telematic subsystems for railways — Part 1: General architecture IEC 62580-1:2015		

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Cenelec	EN 62621:2016 Railway applications — Fixed installations — Electric traction — Specific requirements for composite insulators used for overhead contact line systems IEC 62621:2011	EN 50151:2003 Note 2.1	21.12.2018
	EN 62621:2016/A1:2016	Note 3	21.12.2018

- ⁽¹⁾ ESO: European standardisation organisation:
— CEN: Avenue Marnix 17, B-1000, Brussels, Tel. +32 25500811; fax +32 25500819 (<http://www.cen.eu>)
— Cenelec: Avenue Marnix 17, B-1000, Brussels, Tel. +32 25196871; fax +32 25196919 (<http://www.cenelec.eu>)
— ETSI: 650, route des Lucioles, F-06921 Sophia Antipolis, Tel. +33 492 944200; fax +33 493654716, (<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 or other requirements of the relevant Union legislation.

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 or other requirements of the relevant Union legislation.

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 or other requirements of the relevant Union legislation for those products or services that fall within the scope of the new standard. Presumption of conformity with the essential or other requirements of the relevant Union legislation for products or services 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 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 or other requirements of the relevant Union legislation.

NOTE:

- Any information concerning the availability of the standards can be obtained either from the European standardisation organisations or from the national standardisation bodies the list of which is published in the *Official Journal of the European Union* according to Article 27 of the Regulation (EU) No 1025/2012 ⁽¹⁾.
- Standards are adopted by the European standardisation organisations in English (CEN and Cenelec also publish in French and German). Subsequently, the titles of the standards are translated into all other required official languages of the European Union by the national standardisation bodies. The European Commission is not responsible for the correctness of the titles which have been presented for publication in the Official Journal.
- References to Corrigenda '.../AC:YYYY' are published for information only. A Corrigendum removes printing, linguistic or similar errors from the text of a standard and may relate to one or more language versions (English, French and/or German) of a standard as adopted by a European standardisation organisation.

⁽¹⁾ OJ C 338, 27.9.2014, p. 31.

- Publication of the references in the *Official Journal of the European Union* does not imply that the standards are available in all the official languages of the European Union.
 - This list replaces all the previous lists published in the *Official Journal of the European Union*. The European Commission ensures the updating of this list.
 - More information about harmonised standards and other European standards on the Internet at:
http://ec.europa.eu/growth/single-market/european-standards/harmonised-standards/index_en.htm
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