

**CATALOGO PROGETTI DI NORME EUROPEE IN ELABORAZIONE
NEL CEN/TC 256**

**CATALOGO GENERALE
DEI PROGETTI DI NORMA EUROPEA CEN
IN CAMPO FERROVIARIO**

edizione settembre 2011

CATALOGO PROGETTI DI NORME EUROPEE IN ELABORAZIONE NEL CEN/TC 256

CEN/TC 256 Railway Applications - Applicazioni Ferroviarie

Elenco dei Gruppi di Lavoro (WGs) esistenti

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WG2 STRUCTURAL REQUIREMENTS - REQUISITI STRUTTURALI
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PREMESSA

Il CEN/TC 256 -Applicazioni ferroviarie-Si occupa della elaborazione delle Norme EN nel settore dei trasporti su ferro (a lunga distanza ed urbani),nel campo meccanico e civile.

E' strutturato in oltre 40 Gruppi di lavoro (Wgs) che hanno un programma di normazione suddiviso nei progetti di Norma (Wis e prEN) riportati nel presente catalogo.

Tali progetti sono soggetti ad un iter complesso di elaborazione e di approvazioni prima di diventare Norma Europea obbligatoria (EN) o volontaria (ENV).

Le fasi di tale iter riportate, nel catalogo,sono definite in campo CEN,come "**stages**" e sono contrassegnate con numeri il cui significato è il seguente:

Stage 0 - Inizio del lavoro

Stage 31 - Progetto di Norma completato (FWD) nel WG

Stage 32 - Progetto di Norma pronto per l'inchiesta interna al TC 256 (Internal Enquiry).Lancio dell'Internal Enquiry

Stage 39 - Svolgimento dell'Internal Enquiry,(3 mesi) recepimento dei commenti e messa a punto del testo revisionato (FCD) nelle tre lingue ufficiali CEN (E/F/D)

Stage 40 - FCD inviato al Segretariato Centrale CEN per l'inchiesta ufficiale (Official Enquiry o CEN Enquiry) a livello CEN

Stage 41 - Lancio dell'Official Enquiry (6 mesi)

Stage 46 - Conclusione prevista dell'Official Enquiry

Stage 49 - Recepimento dei commenti e messa a punto del testo per il voto formale (Formal Vote)

Stage 51 - Avvio della Procedura Ufficiale di Voto CEN

Stage 52 - Adozione della Norma EN da parte CEN

Stage 64 - Pubblicazione della Norma EN

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WG 1 FIRE SAFETY			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256011	Fire protection of railway vehicles. Part 1:General rules		prEN 45545-1 04/2010
256012	Fire protection of railway vehicles. Part 2:Requirement for fire behaviour of materials and components		prEN 45545-2 04/2010
256013	Fire protection of railway vehicles. Part 3:Fire resistance requirements for fire barriers and partitions		prEN 45545-3 04/2010
256014	Fire protection of railway vehicles. Part 4: Fire safety requirements of railway rolling stock design		prEN45545-4 04/2010
PrEN a cura del CENELEC	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		prEN 45545-5 04/2010
256025	Fire protection of railway vehicles. Part.6: Additional fire safety		prEN 45545-6 04/2010
256015	Fire protection of railway vehicles. Part.7: Fire safety requirements for flammable liquid and gas installations		prEN45545-7 01/2010
256AAA	Fire protection of railway vehicles. Part 8: Fire test methods		

WG 2 STRUCTURAL REQUIREMENTS			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256186	Structural requirements of railway vehicle bodies		EN 12663 rev. 01/2005
256123	Crashworthiness requirements for railway vehicle bodies		EN 15227:2008/FprA1 05/2010
256265	Structural ts of railway vehicle bodies. Part 1: Railway vehicles other than freight wagons		EN 12663-1 03/2010 PUBBLICATA
256223	Structural requirements of railway vehicle bodies. Part 2: Freight wagons		EN 12663-2 03/2010 PUBBLICATA
256224	masses definition of vehicle reference		EN 15663 : 03/2009/AC-2010 PUBBLICATA
256234	Measurement of wheel and axle loads. Part 1: Interoperable "in service" rail vehicles		PrEN 15654-1 03/2007

WG 3 NOISE EMISSION			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256344	Noise emission Measurements of noise emitted by railbound vehicles		prEN/ISO 3095 09/2010
256008	Noise emission Measurements of noise inside railbound vehicles		EN/ISO 3381 03/2011 PUBBLICATA
256200	Rail roughness measurements related to noise generation. Definition and procedures		
256201	Noise emission. Track dynamic characterisation related to noise emission		EN 15461:2008+rA1 :2010 09/2010
1256200	Noise emission. Rail roughness measurement related to rolling noise generation		EN 15610 03/2009 PUBBLICATA
256298	Noise emission. Road test of draft standard for rail roughness measurement prEN 15610:2006		CEN/TR 15874 05/2009 PUBBLICATA
256247	Noise emission. Measurement of noise inside driver's cabs		EN 15892 02/2011 PUBBLICATA

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WG 4 RAILS			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256009	Track.rail. Part.1:Flat bottom symmetrical railway rails 46 kg/m and above		EN 13674-1 02/2011 PUBBLICATA
256066	Track. rail. Part.2:Switch and crossing rails used in conjunction with flat bottom railway rails 46 kg/m and above		EN 13674-2 :2006+A1:2010 05/2010 PUBBLICATA
256067	Track. rail. Part.3: Check rails used in conjunction with flat bottom railway rails 46 kg/m and above		EN 13674-3 :2006+A1:2010 05/2010 PUBBLICATA
256117	Track. rail. Part.4: Flat bottom symmetrical railway rails from 27 kg/m to 46 kg/m		EN 13674-4:2006/FprA1 09/2009 PUBBLICATA
256131	Track. Special purposes rails.: Grooved and associated construction		EN 14811:2006/FprA1 09/2009 PUBBLICATA
256109	Track. Welding of rails.Part 1:: New 220 and 260 grade rails in a fixed plant		EN 14587-1 06/2007- Pubblicata
256068	Track. Welding of rails.Part.2.1: Approval of aluminothermic welding processes		EN 14730-1:2006+A1:2010 04/2010 PUBBLICATA
256069	Track. Welding of rails.Part.2.2: Tests for qualification of aluminothermic welders, approval of contractor and acceptance of welds		EN 14730-2 08/2006 PUBBLICATA
256175	Track flash butt welding of rails. Part 2:New R220,R260,R260Mn and R350Hr		EN 14587-2 04/2009 PUBBLICATA
256236	Track. Restoration of rail by electric arc welding		EN 15594 04/2009-05-22 PUBBLICATA
256339	Track. Flash butt welding of rails. Part 3: Welding in association with crossing construction		PrEN 14587-3 12/2009

WG 5 TRACK CONSTRUCTION AND MAINTENANCE MACHINES			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256010	Track. Approval conditions for construction and maintenance machines.Part.1: Technical requirements for running		EN 14033-1 02/2011 PUBBLICATA
256070	Track. Approval conditions for construction and maintenance machines.Part.2: Working requirements for railbound machines		EN 14033-2 :2008/FprA1 07/2011
256071	Track. Portable machines and trolleys for construction and maintenance		EN 13977 02/2011 PUBBLICATA
256236	Track.railbound construction and maintenance machines. Part 3: General safety requirements		EN 14033-3:2009/FprA1 05/2011
256252	Track. Road-rail machines and associated equipment. Part 1:Technical requirements for running and working		FPrEN 15746-1:2010/FprA1 04/2011
256253	Track road-rail machines and associated equipment. Part 2:General safety requirements		EN 15746-2:2010/FprA1 05/2011
256318	Track. Demountable machines and associated equipment. Part 1:Technical requirements for running and working		PrEN 15955-1 06/2009
256319	Track. Demountable machines and associated equipment. Part 2: General safety requirements		PrEN 15955-2 06/2009
256 316	Track. Trailer and associated equipment. Part 1: Technical requirements for running and working		PrEn 15954-1 06/2009
256317	Track Trailer and associated equipment. Part 2: General safety requirements		PrEN 15954-2 06/2009

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WG 6 AERODYNAMICS			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256018	Aerodynamics -Part. 1: Symbols and units		EN 14067-1 04/2003 Pubbl.
256026	Aerodynamics -Part.2 :Aerodynamics on open track		EN 14067-2 04/2003 Pubbl.
256027	Aerodynamics.-Part 3 :Aerodynamics in tunnels		EN 14067-3 04/2003 Pubbl
256127	Aerodynamics. Part 4 :Requirements and test procedures for aerodynamics on open track		prEN 14067-4 07/2011
256128	Aerodynamics. Part 5 :Requirements and test procedures for aerodynamics in tunnel		EN 14067-5 :2006+A1:2010 09/2010
256192	Aerodinamics. Part 6: Cross wind effects on railway operation		EN 14067-6 01/2010 PUBBLICATA

WG 7 RIDE COMFORT			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256019	Ride comfort for passengers. Measurement and evaluation.		EN 12299 04/2009- PUBBLICATA

WG 8 AIR CONDITIONING HEATING VENTILATION			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256021	Air conditioning for main line rolling stock. Part 1:Comfort parameters.		EN 13129-1 09/2002 PUBBLICATA
256022	Air conditioning for main line rolling stock. Part.2:Type test.		EN 13129-2 07/2004 PUBBLICATA
256095	Air conditioning for urban and suburban rolling stock. Part.1 Comfort parameters		EN 14750-1 06/2006 PUBBLICATA
256096	Air conditioning for urban and suburban rolling stock. Part.2:Type tests		EN 14750-2 06/2006 PUBBLICATA
256097	Air conditioning for driving cabs. Part.1:Comfort parameters		EN 14813-1:2006+A1:2010 09/2010
256098	Air conditioning for driving cabs. Part.2:Type tests		EN 14813—2:2006/FprA1 05/2010

WG 9 LIGHTING			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256023	Electrical lighting for rolling stock in public transport systems		prEN 13272 12/2009
256184	External visible and audible devices for high speed trains. Part 1:Head, marker and tail lamps		EN 15153-1 05/2007- Pubblicata
256185	External visible and audible devices for high speed trains. Part 2: Warning horns		EN 15153-2 05/2007- Pubblicata

WG 10 VEHICLE/TRACK INTERACTION			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256016	Testing for the acceptance of running characteristics of railway vehicles. Part.1:Testing of running behaviour		EN 14363 09/2005 PUBBLICATA
256202	Static axle load dynamic wheel load and linear load		
256129	Method for determining the equivalent conicity		EN 15302 :2008+A1:2010 09/2010

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256203	Safety against derailment		
256233	Testing for the acceptance of running characteristics of freight vehicles with static wheel loads higher than 112,5kN up to 125kN		EN 15687 05/2010 PUBBLICATA
256232	Testing for acceptance of running characteristics of railway vehicles with cant deficiency compensation systems and/or vehicles intended to operate with higher cant deficiency than stated in EN 14363:2005, annex G		EN 15686 05/2010 PUBBLICATA
256279	Testing for the acceptance of running characteristics of railway vehicles. Freight wagons. Testing of running safety under longitudinal compressive forces		PrEN 15839 12/2008

WG 11 WHEELS WHEELSETS			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256017	Wheelsets and bogies. Wheelsets. Non powered axles. Design guide		EN 13103 :2009+A1:2010 10/2010
256024	Wheelsets and bogies. Wheelsets. Powered axles. Design guide		EN 13104:2009/FprA1 05/2010
256114	Wheelsets and bogies. Wheels. Product requirements		EN 13262:2004+A2 :2011 03/2011 PUBBLICATA
256113	Wheelsets and bogies. Axles. Product requirements		EN 13261:2009+A1:2010 10/2010
256111	Wheelsets and bogies. Wheels. Part 1:Forged and rolled wheels		EN 13979-1:2003+A2:2011 03/2011 PUBBLICATA
256139	Wheelsets and bogies. Wheels. Part 2 Cast wheels		PrEN 13979-2 09/2010
256118	Wheelsets and bogies. Wheels. Tread profile		EN 13715 :2006+A1:2010 10/2010
256104	Wheelsets and bogies. Wheelsets. Product requirements		EN 13260:2009+A1:2010 10/2010
256162	Wheelsets and bogies. Maintenance of wheelsets		EN 15313 04/2010 PUBBLICATA
256182	Wheel/rail friction management. Flange lubrication		EN 15427 :2008 +A1:2010 09/2010
256214	Roues monobloc. Roues en acier moulé		PrEN 15718 09/2010

WG 12 AXLEBOX BEARINGS			
numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256051	Wheelsets and bogies. Rolling bearings and lubricants.Part.1: Axleboxes. Rolling bearings		EN 12080 :2007+A1:2010 09/2010
256052	Wheelsets and bogies. Rolling bearings and lubricants.Part.2: Axleboxes. Lubricating greases		EN 12081:2007+A1:2010 09/2010
256053	Wheelsets and bogies. Rolling bearings and lubricants. Part. 3: Axleboxes. Performance testing		EN 12082 :2007+A1:2010 09/2010
256110	Lubricating greases Part:1 Methods to test the ability to lubricate		EN 14865—1:2009+A1:2010 09/2010
256116	Wheelsets and bogies. Axlebox lubricating greases. Part 2:Methods to test the mechanical stability to cover vehicle speed up to 200 km/h		EN 14865- 2:2006+A1:2009+A2 :2010 09/2010

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WG 13 BOGIE FRAMES			
numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256115	Railway applications. Wheelsets and bogies. Method of specifying structural requirements of bogie frames		EN 13749 03/2011 PUBBLICATA
256286	Bogies and running gear. Part 1:General principles		PrEn 15827-1 07/2008
256287	Bogies and running gear. Part 2: Structural requirements		PrEn 15827-2 07/2008
256288	Bogies and running gear. Part 3: Dynamic requirements		PrEn 15827-3 07/2008
256289	Bogies and running gear. Part 3:Maintenance requirements		PrEn 15827-4 07/2008
256380	Requirements for bogies and running gear		EN 15827 03/2011 PUBBLICATA

WG 14 SUSPENSION COMPONENTS			
numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256059	Suspension components. Helical suspension springs steel		EN 13298 03/2003 Pubblicata
256060	Suspension components. Suspension leaf spring. Product requirements		EN 14200 01/2004 PUBBLICATA
256061	Suspensions components. Torsion bar. Product requirements		EN 15049 08/2007 Pubblicata
256062	Suspensions components. Air spring control elements		EN 14817 05/2006 PUBBLICATA

WG 15 TRACK ALIGNMENT DESIGN PARAMETERS			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256191	Track. Track alignment design parameters. Standard track. .Part 1:Plain line		EN 13803-1 06/2010 PUBBLICATA
256132	Track. Track alignment design parameters. Standard track. .Part 2:Switches and crossings		EN 13803-2:2006/FprA1 09/2009 PUBBLICATA

WG 16 SLEEPERS AND BEARERS			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256037	Track. Concrete sleepers and bearers.Part.1: General requirements		EN 13230-1 06/2009 PUBBLICATA
256072	Track. Concrete sleepers and bearers. Part 2: Prestressed monoblock sleepers		EN 13230-2 06/2009 PUBBLICATA
256073	Track. Concrete sleepers and bearers.Part.3: Twinblock reinforced sleepers		EN 13230-3 06/2009 PUBBLICATA
256100	Track. Concrete sleepers and bearers.Part.4: Prestressed beares for switches and crossings		EN 13230-4 06/2009 PUBBLICATA
256101	Track. Concrete sleepers and bearers.Part.5: Special elements		EN 13230-5 06/2009 PUBBLICATA
256038	Track. Wood sleepers and bearers		EN 13145 :2001/FprA1 05/2011
256108	Technical delivery requirements. Part 3:Steel sleepers (ISO 6305-3:1983)		prEN ISO 6305-3 10/1999

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WG 17 FASTENING SYSTEMS			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256195	Track. Performance requirements for fastening systems.Part.1: Definitions		EN 13481-1 06/2010
256196	Track. Performance requirements for fastening systems.Part.2: Fastening systems for concrete sleepers		EN 13481-2 06/2010
256197	Track. Performance requirements for fastening systems.Part.3: Fastening systems for wood sleepers		EN 13481-3 06/2010
256198	Track. Performance requirements for fastening systems.Part.4: Fastening systems for steel sleepers		EN 13481-4 06/2010
256199	Track. Performance requirements for fastening systems.Part.5: Fastening systems for slab track		EN 13481-5 06/2010
256045	Track. Performance requirements for fastening systems.Part.6: Special fastening systems for attenuation of vibration		ENV 13481-6AC 07/2004 PUBBLICATA
256046	Track. Fastening systems.Part.7: Performance requirements for special fastening systems for switches and crossings and check rails		EN 13481-7 06/2010
256176	Track. Performance requirements for fastening systems. Part 8: Fastening systems for track with heavy axle loads		EN 13481-8 04/2006 PUBBLICATA
256193	Track. Test methods for fastening systems.Part.1: Determination of longitudinal rail restraint		prEN 13146-1 08/2011
256075	Track. Test methods for fastening systems. Part. 2: Determination of torsional resistance		prEN 13146-2 08/2011
256076	Track.Test methods for fastening systems. Part. 3: Determination of attenuation of impact loads		prEN 13146-3 08/2011
256077	Track. Test methods for fastening systems.Part.4: Effect of repeated loading		pEN 13146-4 08/2011
256078	Track. Test methods for fastening systems.Part.5: Determination of electrical resistance		prEN 13146-5 08/2011
256079	Track.Test methods for fastening systems.Part.6: Effect of severe environmental conditions		prEN 13146-6 08/2011
256080	Track. Test methods for fastening systems.Part.7: Determination of clamping force		prEN 13146-7 08/2011
256081	Track. Test methods for fastening systems.Part.8:In service testing		prEN 13146-8 08/2011
256273	Track. Test methods for fastening systems. Part 9: Determination of stiffness		EN 13146-9:2009/FprA1 05/2011

WG 18 SWITCHES AND CROSSINGS			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256048	Track. Switches and crossings, performance and acceptance..Part.1: Definitions		EN 13232-1 08/2003 PUBBLICATA
256049	Track. Switches and crossings, performance and acceptance. Part.2: Design and tolerances		EN 13232-2:2003/FprA1 05/2011
256050	Track. Switches and crossings, performance and acceptance. Part.3: Wheel/rail interaction		EN 13232-3:2009/FprA1 05/2011
256133	Track. Switches and crossings. Part.4:Actuation, locking and detection		EN 13232-4:2005/FprA1 05/2011
256102	Track. Switches and crossings. Part.5: Switches		EN13232-5:2005/FprA1 05/2011
256103	Track. Switches and crossings. Part.6: Fixed common and obtuse crossings		EN 13232-6:2005/FprA1 05/2011
256134	Track. Switches and crossings. Part.7: Crossing with		EN 13232-7:2006/FprA1

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	moveable parts		05/2011
256135	Track. Switches and crossings. Part.8: Expansion devices		EN 13232-8 :2007/FprA1 05/2011
256136	Track. Switches and crossings. Part.9: Layouts		EN 13232-9:2006/FprA1 05/2011
256260	Track. Switches and crossing. Cast austenitic manganese steel for crossing components		EN 15689 11/2009 PUBBLICATA

WG 19 CLASSIFICATION SYSTEM AND DOCUMENTATION			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256005	Technical drawings.Part.1: General principles		EN 15016-1 06/2004 PUBBLICATA
256030	Technical drawings Part.2:Parts list		EN 15016-2 06/2004-09-29 PUBBLICATA
256031	Technical drawings. Part.3:Handling of modifications of technical documents		EN 15016-3 06/2004-09-29 PUBBLICATA
256032	Technical drawings Part.4:Data Exchange		EN 15016-4 02/2006-03-30 PUBBLICATA
256168	Designation systematic for railway vehicles. Part 1:General		EN 15380-1 04/2006- PUBBLICATA
256169	Designation systematic for railway vehicles. Part 2:Product groups		EN 15380-2 04/2006 PUBBLICATA
256170	Designation systematic for railway vehicles. Part 3: Designation of installation sites and locations		EN 15380-3 04/2006 PUBBLICATA
256338	Classification system for railway vehicles. Part 4: Function groups		PrEN 15380-4 04/2011

WG 20 TANK WAGONS			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256033	Tank wagons. Part.1:Marking of tank wagons for the carriage of dangerous goods		EN 12561-1 06/2011 PUBBLICATA
256034	Tank wagons. Part.2: Bottom emptying devices for liquid products including vapour return.		EN 12561-2 06/2011 PUBBLICATA
256035	tank wagons. Part.3: Bottom filling and emptying devices for gases liquefied under pressure		EN 12561-3 06/2011 PUBBLICATA
256036	Tank wagons. Part.4: Top devices for top emptying and filling of liquid products		EN 12561-4 06/2011 PUBBLICATA
256064	Tank wagons. Part.5: Top devices for bottom emptying and top filling of liquids products		EN 12561-5 06/2011 PUBBLICATA
256065	Tank wagons.Part.6: Manholes		EN 12561-6 06/2011 PUBBLICATA
256093	Tank wagons.Part.7: Platforms and ladders		EN 12561-7 06/20101 PUBBLICATA
256094	Tank wagons. Part.8: Heating connections		EN 12561-8 06/2011 PUBBLICATA

WG 21 ACCEPTANCE OF TRACKWORKS			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256082	Track. Acceptance of works.Part.1: Work on tracks		prEN 13231-1 04/2011
256083	Track. Acceptance of works.Part.2: Work on switches and crossings		EN 13231-2 05/2006 PUBBLICATA
256084	Track. Acceptance of works.Part.3:Acceptance of rail		FprEN 13231-3 05/2011

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	grinding , milling- and planing-work in track		
256479	Track.Acceptance of works.Part 4: Acceptance of reprofiling rails in switches and crossings		PrEN 13231-4 04/2011

WG 26 FREIGHT WAGONS			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256105	Measuring of new and modified freight wagons. Part 1: Measuring principles		EN 13775-1 06/2003 Pubblicata
256106	Measuring of new and modified freight wagons. Part .2: Freight wagons with bogies		EN 13775-2 06/2003 Pubblicata
256107	Measuring of new and modified freight wagons. Part. 3: Freight wagons with two wheelsets		EN 13775-3 06/2003 Pubblicata
256119	Measuring of new and modified freight wagons. Part .4: Bogies with two wheelsets		EN 13775-4 06/2004 PUBBLICATA
256120	Measuring of new and modified freight wagons. Part .5: Bogies with three wheelsets		EN 13775-5 06/2004 PUBBLICATA
256221	Measuring of new and modified freight wagons. Part .6: Freight wagons-Articulated and tight coupled		EN 13775-6 06/2004 PUBBLICATA
256202	Classification of lines. Corresponding load limits for railway vehicles and payload for freight wagons		EN 15528 03/2008 Pubblicata
256221	Freight wagons. Buffers		EN 15551:2009+A1:2010 09/2010
256225	Closing and locking devices for payload protecting devices against environmental influences. Requirements for durability, operation, indication, maintenance, recycling		EN 15723 01/2010 PUBBLICATA
256290	Marking on railway vehicles: Part 1: Freight wagons		PrEN 15877-1 08/2009
256337	Testing for the acceptance of running characteristics of railway vehicles.Freight wagons.Conditions for dispensation of freight wagons with denined characteristics from on-track tests according to EN 14363		PrEN 16235 01/2011
256351	Marking on railway vehicles.Part 2:Extremal markins on coacheri motives power units locomotives and on track machines		PrEN 15877-2 01/2011

WG 27 DOORS			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256112	Door systems for rolling stock		EN 14752 12/2005 PUBBLICATA

WG 28 TRACK GEOMETRY QUALITY			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256137	Track. Track geometry quality .Part 1:Characterisation of the track		EN 13848-1/2003/prA1 05/2008 Pubblicata
256138	Track. Track geometry quality. Part 2: Specification of measuring		EN 13848-2 06/2006- PUBBLICATA
256188	Track.Track geometry quality.Part 5:Geometric qualità assessment		EN 13848-5:2008/FprA1 04/2010 PUBBLICATA
256250	Track. Track geometry quality. Part 3: Measuring systems. Track construction and maintenance machines		EN 13848-3 04/2009 PUBBLICATA
256382	Track.Track geometrical quality. Part:4:Measuring systems manual and lightweight devices		PrEN 13848-4 08/2011

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WG 31 WELDING OF RAILWAY VEHICLES			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256164	Welding of railway vehicles and components. Part 1: General		EN 15085-1:2007/FprA1 07/2011
256179	C.S. Part 2:Quality requirements and certification of welding		EN 15085-2 10/2007 Pubblicata
256165	C.S. Part 3:Design requirements		EN 15085-3:2007/AC 12/2009 PUBBLICATA
256180	C.S. Part 4:Production requirements		EN 15085-4 10/2007 Pubblicata
256167	C.S. Part 5 :Inspection, testing and documentation		EN 15085-5 10/2007 Pubblicata

WG32 GAUGES			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256150	Gauge.Part 1: Generalities. Common rules for infrastructure and rolling stock		PrEN 15273-1 12/2009 PUBBLICATA
256151	Gauge. Part 2: Rolling stock gauges		EN 15273-2 12/2009 PUBBLICATA
256152	Gauge. Parte 3: Obstruction gauges		EN 15273-3 12/2009 PUBBLICATA

WG 33 COUPLING DEVICES			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256157	Spare coupler. Performance requirements, specific interface geometry and test methods		EN 15020 :2006+A1:2010 09/2010
256222	Railway rolling stock. Draw gear and screw coupling		EN 15566:2009+A1:2010 09/2010
256385	Automatic coupler. Performance requirements, specific interface geometry and test method		PrEN 16019 11/2009

WG 34 QUALIFICATION OF TRACKWORKERS			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256178	Track.. Qualification of trackwork contractors		EN 14969 08/2006 PUBBLICATA

WG 35 HOT BOX DETECTION			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256158	Axlebox condition monitoring. Interface and design requirements. Part 1: Track side equipment and rolling stock axlebox		EN 15437-1 03/2009 PUBBLICATA
256231	Axlebox condition monitoring.Performance requirements. Part 2: Onboard systems for temperature monitoring		PrEn 15437-2 05/2010

WG 36 EMERGENCY AND ALARM SYSTEMS			
Numero WI	Titolo del progetto	Stato di	Documenti in possesso di

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o prEN		avanzamento	UNIFER e data di emissioni
256144	Passenger alarm subsystem. Part 1: General requirements and passenger interface for the passenger emergency brake system		PEN 15327-1 01/2009 PUBBLICATA

WG 37 DRIVER'S CABS AND WINDSCREENS			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256183	Railway applications.Cab windscreens of high speed trains		EN 15152 08/2007 Pubblicata
256350	Driver's cab.Part 1: Visibility, layout, access		PrEN 16186-1 10/2010

WG 38 FLANGE LUBRICATION			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256261	Wheel/rail friction management. Lubricants for trainborne and trackside applications		PrEN 16028 11/2009

WG 39 SAFETY PROTECTION ON THE TRACK DURING WORK			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni

WG 40 NOISE BARRIERS			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256409	Track noise barriers and related devices acting on airborne sound propagation test method for determining the acoust performance. Part 1:Normalized railway noise spectrum and single number ratings for diffuse field applications		PrEN 16272:3-1 04/2011
256406	Track noise barriers and related devices acting on airborne sound propagation test method for determining the acoust performance. Part 1: Intrinsic characteristics. Sound absorption in the laboratory under diffuse sound field conditions		PrEN 16272-1 04/2011
256438	Track noise barriers and related devices acting on airborne sound propagation test method for determining the acoust performance. Part 2:Intrinsic characteristics airborne sound insulation in the laboratory under diffuse sound field conditions		PrEN 16272-2 04/2011

WG 41 PASSENGER GANGWAYS			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256386	Gangway systems between vehicles. Part 1: Main applications		PrEN 16286-1 05/2011

WG 42 VEHICLE LIFTING			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni

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WG 43 GROUND BASED SERVICES			
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WG 44 PEOPLE WITH REDUCED MOBILTY			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256382	Design requirements for steps, handralis and associated staff access. Part 1: Passenger vehicles luggage vans and locomotives		PrEn 16116-1
256384	Design requirements for steps, handralis and associated staff access.Part 2: Freight wagons		PrEN 16116-2
WG 45 ENVIRONMENTAL CONDITIONS			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
WG 46 BALLASTLESS TRACK			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
WG 47 BRAKING			
Numero WI o prEN	Titolo del progetto	Stato di avanzamento	Documenti in possesso di UNIFER e data di emissioni
256085	Braking-brake systems on locomotive hauled trains		EN 14198 12/2004 PUBBLICATA
256086	Braking-Brake systems for passengers coaches		EN 15179 09/2007 Pubblicata
256272	Braking systems of high speed trains-Part 1: Requirements and definitions		EN 15734-1 11/2010 PUBBLICATA
256237	Braking systems of high speed trains.Part:2. Test methods		EN 15734-2 11/2010 PUBBLICATA
256142	Braking systems of high speed trains.Part 3: Test methods		
256521	Braking functional and performance criteria of electromagnetic track brake systems for use in railway rolling stock		PrEN 16207 11/2010
256087	Railway applications. Braking. Mass transit brake systems. Part 1:Performance requirements		EN 13452-1 03/2003 Pubblicata
256122	Railway applications. Braking. Mass transit brake systems. Part 2:The methods		EN 13452-2 03/2003 Pubblicata
256088	Braking. Brake discs lining and brake-shoe inserts for rail vehicles. Part 1: Brake blocks		EN 14535-1:2005+A1:2011 03/2011
256089	Braking. Disc brake linings and brake-shoe inserts for rail vehicles. Part 2: Block holders		PrEN 15329 08/2005
256173	Braking. Disc brake lining and brake-shoe inserts for rail vehicles. Part 3: Brake pads		PrEN 15328 08/2005
	C.S. Part 4: Pad holders		
256090	Braking. Straight and angle end cocks for brake pipe		EN 14601:2005 +A1:2010

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