

IV

(Notices)

NOTICES FROM EUROPEAN UNION INSTITUTIONS, BODIES, OFFICES AND AGENCIES

EUROPEAN COMMISSION

Commission communication in the framework of the implementation of the Directive 2006/42/EC of the European Parliament and of the Council of 17 May 2006 on machinery, and amending Directive 95/16/EC (recast)

(Text with EEA relevance)

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

(2011/C 214/01)

ESO ⁽¹⁾	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 81-3:2000+A1:2008 Safety rules for the construction and installation of lifts - Part 3: Electric and hydraulic service lifts	8.9.2009		
	EN 81-3:2000+A1:2008/AC:2009			
CEN	EN 81-31:2010 Safety rules for the construction and installation of lifts - Lifts for the transport of goods only - Part 31: Accessible goods only lifts	20.10.2010		
CEN	EN 81-40:2008 Safety rules for the construction and installation of lifts - Special lifts for the transport of persons and goods - Part 40: Stairlifts and inclined lifting platforms intended for persons with impaired mobility	8.9.2009		
CEN	EN 81-41:2010 Safety rules for the construction and installation of lifts - Special lifts for the transport of persons and goods - Part 41: Vertical lifting platforms intended for use by persons with impaired mobility	8.4.2011		
CEN	EN 81-43:2009 Safety rules for the construction and installation of lifts - Special lifts for the transport of persons and goods - Part 43: Lifts for cranes	8.9.2009		
CEN	EN 115-1:2008+A1:2010 Safety of escalators and moving walks - Part 1: Construction and installation	26.5.2010	EN 115-1:2008 Note 2.1	Date expired (30.9.2010)

ESO ⁽¹⁾	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 201:2009 Plastics and rubber machines - Injection moulding machines - Safety requirements	18.12.2009		
CEN	EN 267:2009 Automatic forced draught burners for liquid fuels	26.5.2010		
CEN	EN 280:2001+A2:2009 Mobile elevating work platforms - Design calculations - Stability criteria - Construction - Safety - Examinations and tests	18.12.2009		
CEN	EN 289:2004+A1:2008 Plastics and rubber machines - Presses - Safety requirements	8.9.2009		
CEN	EN 349:1993+A1:2008 Safety of machinery - Minimum gaps to avoid crushing of parts of the human body	8.9.2009		
CEN	EN 378-2:2008+A1:2009 Refrigerating systems and heat pumps - Safety and environmental requirements - Part 2: Design, construction, testing, marking and documentation	8.9.2009		
CEN	EN 415-1:2000+A1:2009 Packaging machines safety - Part 1: Terminology and classification of packaging machines and associated equipment	8.9.2009		
CEN	EN 415-3:1999+A1:2009 Safety of packaging machines - Part 3: Form, fill and seal machines	18.12.2009		
CEN	EN 415-5:2006+A1:2009 Safety of packaging machines - Part 5: Wrapping machines	18.12.2009		
CEN	EN 415-6:2006+A1:2009 Safety of packaging machines - Part 6: Pallet wrapping machines	18.12.2009		
CEN	EN 415-7:2006+A1:2008 Safety of packaging machines - Part 7: Group and secondary packaging machines	8.9.2009		
CEN	EN 415-8:2008 Safety of packaging machines - Part 8: Strapping machines	8.9.2009		
CEN	EN 415-9:2009 Safety of packaging machines - Part 9: Noise measurement methods for packaging machines, packaging lines and associated equipment, grade of accuracy 2 and 3	18.12.2009		
CEN	EN 422:2009 Plastics and rubber machines - Blow moulding machines - Safety requirements	8.9.2009		
CEN	EN 453:2000+A1:2009 Food processing machinery - Dough mixers - Safety and hygiene requirements	26.5.2010		

ESO (1)	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 454:2000+A1:2009 Food processing machinery - Planetary mixers - Safety and hygiene requirements	26.5.2010		
CEN	EN 474-1:2006+A1:2009 Earth-moving machinery - Safety - Part 1: General requirements	8.9.2009		
CEN	EN 474-2:2006+A1:2008 Earth-moving machinery - Safety - Part 2: Requirements for tractor-dozers	8.9.2009		
CEN	EN 474-3:2006+A1:2009 Earth-moving machinery - Safety - Part 3: Requirements for loaders	8.9.2009		
CEN	EN 474-6:2006+A1:2009 Earth-moving machinery - Safety - Part 6: Requirements for dumpers	8.9.2009		
CEN	EN 474-7:2006+A1:2009 Earth-moving machinery - Safety - Part 7: Requirements for scrapers	8.9.2009		
CEN	EN 474-8:2006+A1:2009 Earth-moving machinery - Safety - Part 8: Requirements for graders	8.9.2009		
CEN	EN 474-9:2006+A1:2009 Earth-moving machinery - Safety - Part 9: Requirements for pipelayers	8.9.2009		
CEN	EN 474-10:2006+A1:2009 Earth-moving machinery - Safety - Part 10: Requirements for trenchers	8.9.2009		
CEN	EN 474-11:2006+A1:2008 Earth-moving machinery - Safety - Part 11: Requirements for earth and landfill compactors	8.9.2009		
CEN	EN 474-12:2006+A1:2008 Earth-moving machinery - Safety - Part 12: Requirements for cable excavators	8.9.2009		
CEN	EN 500-1:2006+A1:2009 Mobile road construction machinery - Safety - Part 1: Common requirements	26.5.2010		
CEN	EN 500-2:2006+A1:2008 Mobile road construction machinery - Safety - Part 2: Specific requirements for road-milling machines	8.9.2009		
CEN	EN 500-3:2006+A1:2008 Mobile road construction machinery - Safety - Part 3: Specific requirements for soil-stabilising machines and recycling machines	8.9.2009		
CEN	EN 500-4:2011 Mobile road construction machinery - Safety - Part 4: Specific requirements for compaction machines	This is the first publication	EN 500-4:2006+A1:2009 Note 2.1	31.8.2011
CEN	EN 500-6:2006+A1:2008 Mobile road construction machinery - Safety - Part 6: Specific requirements for paver-finishers	8.9.2009		

ESO ⁽¹⁾	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 528:2008 Rail dependent storage and retrieval equipment - Safety requirements	8.9.2009		
CEN	EN 547-1:1996+A1:2008 Safety of machinery - Human body measurements - Part 1: Principles for determining the dimensions required for openings for whole body access into machinery	8.9.2009		
CEN	EN 547-2:1996+A1:2008 Safety of machinery - Human body measurements - Part 2: Principles for determining the dimensions required for access openings	8.9.2009		
CEN	EN 547-3:1996+A1:2008 Safety of machinery - Human body measurements - Part 3: Anthropometric data	8.9.2009		
CEN	EN 574:1996+A1:2008 Safety of machinery - Two-hand control devices - Functional aspects - Principles for design	8.9.2009		
CEN	EN 609-1:1999+A2:2009 Agricultural and forestry machinery - Safety of log splitters - Part 1: Wedge splitters	18.12.2009		
CEN	EN 609-2:1999+A1:2009 Agricultural and forestry machinery - Safety of log splitters - Part 2: Screw splitters	18.12.2009		
CEN	EN 614-1:2006+A1:2009 Safety of machinery - Ergonomic design principles - Part 1: Terminology and general principles	8.9.2009		
CEN	EN 614-2:2000+A1:2008 Safety of machinery - Ergonomic design principles - Part 2: Interactions between the design of machinery and work tasks	8.9.2009		
CEN	EN 617:2001+A1:2010 Continuous handling equipment and systems - Safety and EMC requirements for the equipment for the storage of bulk materials in silos, bunkers, bins and hoppers	8.4.2011		
CEN	EN 618:2002+A1:2010 Continuous handling equipment and systems - Safety and EMC requirements for equipment for mechanical handling of bulk materials except fixed belt conveyors	8.4.2011		
CEN	EN 619:2002+A1:2010 Continuous handling equipment and systems - Safety and EMC requirements for equipment for mechanical handling of unit loads	8.4.2011		
CEN	EN 620:2002+A1:2010 Continuous handling equipment and systems - Safety and EMC requirements for fixed belt conveyors for bulk materials	8.4.2011		

ESO (1)	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 626-1:1994+A1:2008 Safety of machinery - Reduction of risks to health from hazardous substances emitted by machinery - Part 1: Principles and specifications for machinery manufacturers	8.9.2009		
CEN	EN 626-2:1996+A1:2008 Safety of machinery - Reduction of risk to health from hazardous substances emitted by machinery - Part 2: Methodology leading to verification procedures	8.9.2009		
CEN	EN 676:2003+A2:2008 Automatic forced draught burners for gaseous fuels	8.9.2009		
	EN 676:2003+A2:2008/AC:2008			
CEN	EN 690:1994+A1:2009 Agricultural machinery - Manure spreaders - Safety	18.12.2009		
CEN	EN 692:2005+A1:2009 Machine tools - Mechanical presses - Safety	8.9.2009		
CEN	EN 693:2001+A1:2009 Machine tools - Safety - Hydraulic presses	8.9.2009		
CEN	EN 703:2004+A1:2009 Agricultural machinery - Silage loading, mixing and/or chopping and distributing machines - Safety	18.12.2009		
CEN	EN 706:1996+A1:2009 Agricultural machinery - Vine shoot tipping machines - Safety	18.12.2009		
CEN	EN 707:1999+A1:2009 Agricultural machinery - Slurry tankers - Safety	18.12.2009		
CEN	EN 709:1997+A4:2009 Agricultural and forestry machinery - Pedestrian controlled tractors with mounted rotary cultivators, motor hoes, motor hoes with drive wheel(s) - Safety	26.5.2010	EN 709:1997+A2:2009 Note 2.1	Date expired (31.12.2010)
CEN	EN 710:1997+A1:2010 Safety requirements for foundry moulding and coremaking machinery and plant associated equipment	20.10.2010		
CEN	EN 741:2000+A1:2010 Continuous handling equipment and systems - Safety requirements for systems and their components for pneumatic handling of bulk materials	8.4.2011		
CEN	EN 745:1999+A1:2009 Agricultural machinery - Rotary mowers and flail-mowers - Safety	18.12.2009		
CEN	EN 746-1:1997+A1:2009 Industrial thermoprocessing equipment - Part 1: Common safety requirements for industrial thermoprocessing equipment	18.12.2009		
CEN	EN 746-2:2010 Industrial thermoprocessing equipment - Part 2: Safety requirements for combustion and fuel handling systems	20.10.2010		

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CEN	EN 746-3:1997+A1:2009 Industrial thermoprocessing equipment - Part 3: Safety requirements for the generation and use of atmosphere gases	8.9.2009		
CEN	EN 786:1996+A2:2009 Garden equipment - Electrically powered walk-behind and hand-held lawn trimmers and lawn edge trimmers - Mechanical safety	18.12.2009		
CEN	EN 791:1995+A1:2009 Drill rigs - Safety	8.9.2009		
CEN	EN 792-1:2000+A1:2008 Hand-held non-electric power tools - Safety requirements - Part 1: Assembly power tools for non-threaded mechanical fasteners	8.9.2009		
CEN	EN 792-2:2000+A1:2008 Hand-held non-electric power tools - Safety requirements - Part 2: Cutting-off and crimping power tools	8.9.2009		
CEN	EN 792-5:2000+A1:2008 Hand-held non-electric power tools - Safety requirements - Part 5: Rotary percussive drills	8.9.2009		
CEN	EN 792-7:2001+A1:2008 Hand-held non-electric power tools - Safety requirements - Part 7: Grinders	8.9.2009		
CEN	EN 792-8:2001+A1:2008 Hand-held non-electric power tools - Safety requirements - Part 8: Sanders and polishers	8.9.2009		
CEN	EN 792-9:2001+A1:2008 Hand-held non-electric power tools - Safety requirements - Part 9: Die grinders	8.9.2009		
CEN	EN 792-10:2000+A1:2008 Hand-held non-electric power tools - Safety requirements - Part 10: Compression power tools	8.9.2009		
CEN	EN 792-11:2000+A1:2008 Hand-held non-electric power tools - Safety requirements - Part 11: Nibblers and shears	8.9.2009		
CEN	EN 792-12:2000+A1:2008 Hand-held non-electric power tools - Safety requirements - Part 12: Small circular, small oscillating and reciprocating saws	8.9.2009		
CEN	EN 792-13:2000+A1:2008 Hand-held non-electric power tools - Safety requirements - Part 13: Fastener driving tools	8.9.2009		
CEN	EN 809:1998+A1:2009 Pumps and pump units for liquids - Common safety requirements	18.12.2009		
	EN 809:1998+A1:2009/AC:2010			

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CEN	EN 815:1996+A2:2008 Safety of unshielded tunnel boring machines and rodless shaft boring machines for rock - Safety requirements	8.9.2009		
CEN	EN 818-1:1996+A1:2008 Short link chain for lifting purposes - Safety - Part 1: General conditions of acceptance	8.9.2009		
CEN	EN 818-2:1996+A1:2008 Short link chain for lifting purposes - Safety - Part 2: Medium tolerance chain for chain slings - Grade 8	8.9.2009		
CEN	EN 818-3:1999+A1:2008 Short link chain for lifting purposes - Safety - Part 3: Medium tolerance chain for chain slings - Grade 4	8.9.2009		
CEN	EN 818-4:1996+A1:2008 Short link chain for lifting purposes - Safety - Part 4: Chain slings - Grade 8	8.9.2009		
CEN	EN 818-5:1999+A1:2008 Short link chain for lifting purposes - Safety - Part 5: Chain slings - Grade 4	8.9.2009		
CEN	EN 818-6:2000+A1:2008 Short link chain for lifting purposes - Safety - Part 6: Chain slings - Specification for information for use and maintenance to be provided by the manufacturer	8.9.2009		
CEN	EN 818-7:2002+A1:2008 Short link chain for lifting purposes - Safety - Part 7: Fine tolerance hoist chain, Grade T (Types T, DAT and DT)	8.9.2009		
CEN	EN 842:1996+A1:2008 Safety of machinery - Visual danger signals - General requirements, design and testing	8.9.2009		
CEN	EN 848-1:2007+A1:2009 Safety of woodworking machines - One side moulding machines with rotating tool - Part 1: Single spindle vertical moulding machines	18.12.2009		
CEN	EN 848-2:2007+A1:2009 Safety of woodworking machines - One side moulding machines with rotating tool - Part 2: Single spindle hand fed/integrated fed routing machines	18.12.2009		
CEN	EN 848-3:2007+A2:2009 Safety of woodworking machines - One side moulding machines with rotating tools - Part 3: Numerically controlled (NC) boring and routing machines	18.12.2009		
CEN	EN 859:2007+A1:2009 Safety of woodworking machines - Hand fed surface planing machines	26.5.2010		

ESO ⁽¹⁾	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 860:2007+A1:2009 Safety of woodworking machines - One side thickness planing machines	18.12.2009		
CEN	EN 861:2007+A1:2009 Safety of woodworking machines - Surface planing and thicknessing machines	18.12.2009		
CEN	EN 869:2006+A1:2009 Safety of machinery - Safety requirements for pressure metal diecasting units	8.9.2009		
CEN	EN 894-1:1997+A1:2008 Safety of machinery - Ergonomics requirements for the design of displays and control actuators - Part 1: General principles for human interactions with displays and control actuators	8.9.2009		
CEN	EN 894-2:1997+A1:2008 Safety of machinery - Ergonomics requirements for the design of displays and control actuators - Part 2: Displays	8.9.2009		
CEN	EN 894-3:2000+A1:2008 Safety of machinery - Ergonomics requirements for the design of displays and control actuators - Part 3: Control actuators	8.9.2009		
CEN	EN 894-4:2010 Safety of machinery - Ergonomics requirements for the design of displays and control actuators - Part 4: Location and arrangement of displays and control actuators	20.10.2010		
CEN	EN 908:1999+A1:2009 Agricultural and forestry machinery - Reel machines for irrigation - Safety	18.12.2009		
CEN	EN 909:1998+A1:2009 Agricultural and forestry machinery - Centre pivot and moving lateral types irrigation machines - Safety	18.12.2009		
CEN	EN 930:1997+A2:2009 Footwear, leather and imitation leather goods manufacturing machines - Roughing, scouring, polishing and trimming machines - Safety requirements	18.12.2009		
CEN	EN 931:1997+A2:2009 Footwear manufacturing machines - Lasting machines - Safety requirements	18.12.2009		
CEN	EN 940:2009 Safety of woodworking machines - Combined woodworking machines	18.12.2009		
CEN	EN 953:1997+A1:2009 Safety of machinery - Guards - General requirements for the design and construction of fixed and movable guards	8.9.2009		

ESO (1)	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 972:1998+A1:2010 Tannery machines - Reciprocating roller machines - Safety requirements	8.4.2011		
CEN	EN 981:1996+A1:2008 Safety of machinery - System of auditory and visual danger and information signals	8.9.2009		
CEN	EN 996:1995+A3:2009 Piling equipment - Safety requirements	8.9.2009		
CEN	EN 1005-1:2001+A1:2008 Safety of machinery - Human physical performance - Part 1: Terms and definitions	8.9.2009		
CEN	EN 1005-2:2003+A1:2008 Safety of machinery - Human physical performance - Part 2: Manual handling of machinery and component parts of machinery	8.9.2009		
CEN	EN 1005-3:2002+A1:2008 Safety of machinery - Human physical performance - Part 3: Recommended force limits for machinery operation	8.9.2009		
CEN	EN 1005-4:2005+A1:2008 Safety of machinery - Human physical performance - Part 4: Evaluation of working postures and movements in relation to machinery	8.9.2009		
CEN	EN 1010-1:2004+A1:2010 Safety of machinery - Safety requirements for the design and construction of printing and paper converting machines - Part 1: Common requirements	8.4.2011		
CEN	EN 1010-2:2006+A1:2010 Safety of machinery - Safety requirements for the design and construction of printing and paper converting machines - Part 2: Printing and varnishing machines including pre-press machinery	8.4.2011		
CEN	EN 1010-3:2002+A1:2009 Safety of machinery - Safety requirements for the design and construction of printing and paper converting machines - Part 3: Cutting machines	18.12.2009		
CEN	EN 1010-4:2004+A1:2009 Safety of machinery - Safety requirements for the design and construction of printing and paper converting machines - Part 4: Bookbinding, paper converting and finishing machines	18.12.2009		
CEN	EN 1012-1:2010 Compressors and vacuum pumps - Safety requirements - Part 1: Air compressors	8.4.2011		
CEN	EN 1012-2:1996+A1:2009 Compressors and vacuum pumps - Safety requirements - Part 2: Vacuum pumps	18.12.2009		
CEN	EN 1028-1:2002+A1:2008 Fire-fighting pumps - Fire-fighting centrifugal pumps with primer - Part 1: Classification - General and safety requirements	8.9.2009		

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CEN	EN 1028-2:2002+A1:2008 Fire-fighting pumps - Fire-fighting centrifugal pumps with primer - Part 2: Verification of general and safety requirements	8.9.2009		
CEN	EN 1032:2003+A1:2008 Mechanical vibration - Testing of mobile machinery in order to determine the vibration emission value	8.9.2009		
CEN	EN 1034-1:2000+A1:2010 Safety of machinery - Safety requirements for the design and construction of paper making and finishing machines - Part 1: Common requirements	26.5.2010		
CEN	EN 1034-2:2005+A1:2009 Safety of machinery - Safety requirements for the design and construction of paper making and finishing machines - Part 2: Barking drums	26.5.2010		
CEN	EN 1034-3:1999+A1:2009 Safety of machinery - Safety requirements for the design and construction of paper making and finishing machines - Part 3: Winders and slitters, plying machines	26.5.2010		
CEN	EN 1034-4:2005+A1:2009 Safety of machinery - Safety requirements for the design and construction of paper making and finishing machines - Part 4: Pulpers and their loading facilities	26.5.2010		
CEN	EN 1034-5:2005+A1:2009 Safety of machinery - Safety requirements for the design and construction of paper making and finishing machines - Part 5: Sheeters	26.5.2010		
CEN	EN 1034-6:2005+A1:2009 Safety of machinery - Safety requirements for the design and construction of paper making and finishing machines - Part 6: Calender	26.5.2010		
CEN	EN 1034-7:2005+A1:2009 Safety of machinery - Safety requirements for the design and construction of paper making and finishing machines - Part 7: Chests	26.5.2010		
CEN	EN 1034-13:2005+A1:2009 Safety of machinery - Safety requirements for the design and construction of paper making and finishing machines - Part 13: Machines for de-wiring bales and units	26.5.2010		
CEN	EN 1034-14:2005+A1:2009 Safety of machinery - Safety requirements for the design and construction of paper making and finishing machines - Part 14: Reel splitter	26.5.2010		
CEN	EN 1034-22:2005+A1:2009 Safety of machinery - Safety requirements for the design and construction of paper making and finishing machines - Part 22: Wood Grinders	26.5.2010		

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CEN	EN 1037:1995+A1:2008 Safety of machinery - Prevention of unexpected start-up	8.9.2009		
CEN	EN 1088:1995+A2:2008 Safety of machinery - Interlocking devices associated with guards - Principles for design and selection	8.9.2009		
CEN	EN 1093-1:2008 Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 1: Selection of test methods	8.9.2009		
CEN	EN 1093-2:2006+A1:2008 Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 2: Tracer gas method for the measurement of the emission rate of a given pollutant	8.9.2009		
CEN	EN 1093-3:2006+A1:2008 Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 3: Test bench method for the measurement of the emission rate of a given pollutant	8.9.2009		
CEN	EN 1093-4:1996+A1:2008 Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 4: Capture efficiency of an exhaust system - Tracer method	8.9.2009		
CEN	EN 1093-6:1998+A1:2008 Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 6: Separation efficiency by mass, unducted outlet	8.9.2009		
CEN	EN 1093-7:1998+A1:2008 Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 7: Separation efficiency by mass, ducted outlet	8.9.2009		
CEN	EN 1093-8:1998+A1:2008 Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 8: Pollutant concentration parameter, test bench method	8.9.2009		
CEN	EN 1093-9:1998+A1:2008 Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 9: Pollutant concentration parameter, room method	8.9.2009		
CEN	EN 1093-11:2001+A1:2008 Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 11: Decontamination index	8.9.2009		
CEN	EN 1114-3:2001+A1:2008 Plastics and rubber machines - Extruders and extrusion lines - Part 3: Safety requirements for haul-offs	8.9.2009		
CEN	EN 1127-1:2007 Explosive atmospheres - Explosion prevention and protection - Part 1: Basic concepts and methodology	18.12.2009		
CEN	EN 1127-2:2002+A1:2008 Explosive atmospheres - Explosion prevention and protection - Part 2: Basic concepts and methodology for mining	8.9.2009		

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CEN	EN 1175-1:1998+A1:2010 Safety of industrial trucks - Electrical requirements - Part 1: General requirements for battery powered trucks	8.4.2011		
CEN	EN 1175-2:1998+A1:2010 Safety of industrial trucks - Electrical requirements - Part 2: General requirements of internal combustion engine powered trucks	8.4.2011		
CEN	EN 1175-3:1998+A1:2010 Safety of industrial trucks - Electrical requirements - Part 3: Specific requirements for the electric power transmission systems of internal combustion engine powered trucks	8.4.2011		
CEN	EN 1218-1:1999+A1:2009 Safety of woodworking machines - Tenoning machines - Part 1: Single end tenoning machines with sliding table	18.12.2009		
CEN	EN 1218-2:2004+A1:2009 Safety of woodworking machines - Tenoning machines - Part 2: Double end tenoning and/or profiling machines fed by chain or chains	8.9.2009		
CEN	EN 1218-3:2001+A1:2009 Safety of woodworking machines - Tenoning machines - Part 3: Hand fed tenoning machines with sliding table for cutting structural timbers	8.9.2009		
CEN	EN 1218-4:2004+A2:2009 Safety of woodworking machines - Tenoning machines - Part 4: Edge banding machines fed by chain(s)	8.9.2009		
CEN	EN 1218-5:2004+A1:2009 Safety of woodworking machines - Tenoning machines - Part 5: One side profiling machines with fixed table and feed rollers or feed chain	18.12.2009		
CEN	EN 1247:2004+A1:2010 Foundry machinery - Safety requirements for ladles, pouring equipment, centrifugal casting machines, continuous and semi continuous casting machines	8.4.2011		
CEN	EN 1248:2001+A1:2009 Foundry machinery - Safety requirements for abrasive blasting equipment	8.9.2009		
CEN	EN 1265:1999+A1:2008 Safety of machinery - Noise test code for foundry machines and equipment	8.9.2009		
CEN	EN 1299:1997+A1:2008 Mechanical vibration and shock - Vibration isolation of machines - Information for the application of source isolation	8.9.2009		
CEN	EN 1374:2000+A1:2010 Agricultural machinery - Silos stationary unloaders for round silos - Safety	20.10.2010		
CEN	EN 1398:2009 Dock levellers - Safety requirements	8.9.2009		

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CEN	EN 1417:1996+A1:2008 Plastics and rubber machines - Two roll mills - Safety requirements	8.9.2009		
	EN 1417:1996+A1:2008/AC:2009			
CEN	EN 1492-1:2000+A1:2008 Textile slings - Safety - Part 1: Flat woven webbing slings made of man-made fibres for general purpose use	8.9.2009		
CEN	EN 1492-2:2000+A1:2008 Textile slings - Safety - Part 2: Roundslings made of man-made fibres for general purpose use	8.9.2009		
CEN	EN 1492-4:2004+A1:2008 Textile slings - Safety - Part 4: Lifting slings for general service made from natural and man-made fibre ropes	8.9.2009		
CEN	EN 1493:2010 Vehicle lifts	8.4.2011	EN 1493:1998+A1:2008 Note 2.1	4.8.2011
CEN	EN 1494:2000+A1:2008 Mobile or movable jacks and associated lifting equipment	8.9.2009		
CEN	EN 1495:1997+A2:2009 Lifting platforms - Mast climbing work platforms	18.12.2009		
	EN 1495:1997+A2:2009/AC:2010			

Warning: This publication does not concern paragraph 5.3.2.4, the last subparagraph of 7.1.2.12, table 8 and figure 9 of standard EN 1495:1997, in respect of which it grants no presumption of conformity to the provisions of Directive 2006/42/EC.

CEN	EN 1501-1:1998+A2:2009 Refuse collection vehicles and their associated lifting devices - General requirements and safety requirements - Part 1: Rear-end loaded refuse collection vehicles	29.12.2009		
CEN	EN 1501-2:2005+A1:2009 Refuse collection vehicles and associated lifting devices - General requirements and safety requirements - Part 2: Side loaded refuse collection vehicles	29.12.2009		
CEN	EN 1501-3:2008 Refuse collection vehicles and their associated lifting devices - General requirements and safety requirements - Part 3: Front loaded refuse collection vehicles	8.9.2009		
CEN	EN 1501-4:2007 Refuse collection vehicles and their associated lifting devices - General requirements and safety requirements - Part 4: Noise test code for refuse collection vehicles	8.9.2009		
CEN	EN 1526:1997+A1:2008 Safety of industrial trucks - Additional requirements for automated functions on trucks	8.9.2009		
CEN	EN 1539:2009 Dryers and ovens, in which flammable substances are released - Safety requirements	26.5.2010		

ESO ⁽¹⁾	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 1547:2001+A1:2009 Industrial thermoprocessing equipment - Noise test code for industrial thermoprocessing equipment including its ancillary handling equipment	8.9.2009		
CEN	EN 1550:1997+A1:2008 Machine-tools safety - Safety requirements for the design and construction of work holding chucks	8.9.2009		
CEN	EN 1570:1998+A2:2009 Safety requirements for lifting tables	18.12.2009		
CEN	EN 1612-1:1997+A1:2008 Plastics and rubber machines - Reaction moulding machines - Part 1: Safety requirements for metering and mixing units	8.9.2009		
CEN	EN 1672-2:2005+A1:2009 Food processing machinery - Basic concepts - Part 2: Hygiene requirements	8.9.2009		
CEN	EN 1673:2000+A1:2009 Food processing machinery - Rotary rack ovens - Safety and hygiene requirements	26.5.2010		
CEN	EN 1674:2000+A1:2009 Food processing machinery - Dough and pastry brakes - Safety and hygiene requirements	26.5.2010		
CEN	EN 1677-1:2000+A1:2008 Components for slings - Safety - Part 1: Forged steel components, Grade 8	8.9.2009		
CEN	EN 1677-2:2000+A1:2008 Components for slings - Safety - Part 2: Forged steel lifting hooks with latch, Grade 8	8.9.2009		
CEN	EN 1677-3:2001+A1:2008 Components for slings - Safety - Part 3: Forged steel self-locking hooks - Grade 8	8.9.2009		
CEN	EN 1677-4:2000+A1:2008 Components for slings - Safety - Part 4: Links, Grade 8	8.9.2009		
CEN	EN 1677-5:2001+A1:2008 Components for slings - Safety - Part 5: Forged steel lifting hooks with latch - Grade 4	8.9.2009		
CEN	EN 1677-6:2001+A1:2008 Components for slings - Safety - Part 6: Links - Grade 4	8.9.2009		
CEN	EN 1678:1998+A1:2010 Food processing machinery - Vegetable cutting machines - Safety and hygiene requirements	20.10.2010		
CEN	EN 1679-1:1998+A1:2011 Reciprocating internal combustion engines - Safety - Part 1: Compression ignition engines	This is the first publication		

ESO (1)	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 1710:2005+A1:2008 Equipment and components intended for use in potentially explosive atmospheres in underground mines	8.9.2009		
	EN 1710:2005+A1:2008/AC:2010			
CEN	EN 1755:2000+A1:2009 Safety of industrial trucks - Operation in potentially explosive atmospheres - Use in flammable gas, vapour, mist and dust	8.9.2009		
CEN	EN 1756-1:2001+A1:2008 Tail lifts - Platform lifts for mounting on wheeled vehicles - Safety requirements - Part 1: Tail lifts for goods	8.9.2009		
CEN	EN 1756-2:2004+A1:2009 Tail lifts - Platform lifts for mounting on wheeled vehicles - Safety requirements - Part 2: Tail lifts for passengers	18.12.2009		
CEN	EN 1760-1:1997+A1:2009 Safety of machinery - Pressure sensitive protective devices - Part 1: General principles for the design and testing of pressure sensitive mats and pressure sensitive floors	8.9.2009		
CEN	EN 1760-2:2001+A1:2009 Safety of machinery - Pressure sensitive protective devices - Part 2: General principles for the design and testing of pressure sensitive edges and pressure sensitive bars	8.9.2009		
CEN	EN 1760-3:2004+A1:2009 Safety of machinery - Pressure sensitive protective devices - Part 3: General principles for the design and testing of pressure sensitive bumpers, plates, wires and similar devices	8.9.2009		
CEN	EN 1777:2010 Hydraulic platforms (HPs) for fire fighting and rescue services - Safety requirements and testing	26.5.2010	EN 1777:2004+A1:2009 Note 2.1	Date expired (30.9.2010)
CEN	EN 1804-1:2001+A1:2010 Machines for underground mines - Safety requirements for hydraulic powered roof supports - Part 1: Support units and general requirements	26.5.2010		
CEN	EN 1804-2:2001+A1:2010 Machines for underground mines - Safety requirements for hydraulic powered roof supports - Part 2: Power set legs and rams	26.5.2010		
CEN	EN 1804-3:2006+A1:2010 Machines for underground mines - Safety requirements for hydraulic powered roof supports - Part 3: Hydraulic control systems	26.5.2010		
CEN	EN 1807:1999+A1:2009 Safety of woodworking machines - Band sawing machines	18.12.2009		
CEN	EN 1808:1999+A1:2010 Safety requirements on Suspended Access Equipment - Design calculations, stability criteria, construction - Tests	20.10.2010		

ESO ⁽¹⁾	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 1829-1:2010 High pressure water jet machines - Safety requirements - Part 1: Machines	26.5.2010		
CEN	EN 1829-2:2008 High-pressure water jet machines - Safety requirements - Part 2: Hoses, hose lines and connectors	8.9.2009		
	EN 1829-2:2008/AC:2011			
CEN	EN 1837:1999+A1:2009 Safety of machinery - Integral lighting of machines	18.12.2009		
CEN	EN 1845:2007 Footwear manufacturing machines - Footwear moulding machines - Safety requirements	8.9.2009		
CEN	EN 1846-2:2009 Firefighting and rescue service vehicles - Part 2: Common requirements - Safety and performance	18.12.2009	EN 1846- 2:2001+A3:2009 Note 2.1	Date expired (28.2.2011)
CEN	EN 1846-3:2002+A1:2008 Firefighting and rescue service vehicles - Part 3: Permanently installed equipment - Safety and performance	8.9.2009		
CEN	EN 1853:1999+A1:2009 Agricultural machinery - Trailers with tipping body - Safety	18.12.2009		
CEN	EN 1870-1:2007+A1:2009 Safety of woodworking machines - Circular sawing machines - Part 1: Circular saw benches (with and without sliding table), dimension saws and building site saws	8.9.2009		
CEN	EN 1870-3:2001+A1:2009 Safety of woodworking machines - Circular sawing machines - Part 3: Down cutting cross-cut saws and dual purpose down cutting cross-cut saws/ circular saw benches	8.9.2009		
CEN	EN 1870-4:2001+A1:2009 Safety of woodworking machines - Circular sawing machines - Part 4: Multiblade rip sawing machines with manual loading and/or unloading	18.12.2009		
CEN	EN 1870-5:2002+A1:2009 Safety of woodworking machines - Circular sawing machines - Part 5: Circular sawbenches/up-cutting cross-cut sawing machines	18.12.2009		
CEN	EN 1870-6:2002+A1:2009 Safety of woodworking machines - Circular sawing machines - Part 6: Circular sawing machines for firewood and dual purpose circular sawing machines for firewood/circular saw benches, with manual loading and/or unloading	18.12.2009		
CEN	EN 1870-7:2002+A1:2009 Safety of woodworking machines - Circular sawing machines - Part 7: Single blade log sawing machines with integrated feed table and manual loading and/or unloading	18.12.2009		

ESO (1)	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 1870-8:2001+A1:2009 Safety of woodworking machines - Circular sawing machines - Part 8: Single blade edging circular rip sawing machines with power driven saw unit and manual loading and/or unloading	18.12.2009		
CEN	EN 1870-9:2000+A1:2009 Safety of woodworking machines - Circular sawing machines - Part 9: Double blade circular sawing machines for cross-cutting with integrated feed and with manual loading and/or unloading	18.12.2009		
CEN	EN 1870-10:2003+A1:2009 Safety of woodworking machines - Circular sawing machines - Part 10: Single blade automatic and semi-automatic up-cutting cross-cut sawing machines	18.12.2009		
CEN	EN 1870-11:2003+A1:2009 Safety of woodworking machines - Circular sawing machines - Part 11: Semi-automatic and automatic horizontal cross-cut sawing machines with one saw unit (radial arm saws)	18.12.2009		
CEN	EN 1870-12:2003+A1:2009 Safety of woodworking machines - Circular sawing machines - Part 12: Pendulum cross-cut sawing machines	18.12.2009		
CEN	EN 1870-13:2007+A1:2009 Safety of woodworking machines - Circular sawing machines - Part 13: Horizontal beam panel sawing machines	18.12.2009		
CEN	EN 1870-14:2007+A1:2009 Safety of woodworking machines - Circular sawing machines - Part 14: Vertical panel sawing machines	18.12.2009		
CEN	EN 1870-15:2004+A1:2009 Safety of woodworking machines - Circular sawing machines - Part 15: Multiblade cross-cut sawing machines with integrated feed of the workpiece and manual loading and/or unloading	18.12.2009		
CEN	EN 1870-16:2005+A1:2009 Safety of woodworking machines - Circular sawing machines - Part 16: Double mitre sawing machines for V-cutting	18.12.2009		
CEN	EN 1870-17:2007+A2:2009 Safety of woodworking machines - Circular sawing machines - Part 17: Manual horizontal cutting cross-cut sawing machines with one saw unit (manual radial arm saws)	18.12.2009		
CEN	EN 1889-2:2003+A1:2009 Machines for underground mines - Mobile machines working underground - Safety - Part 2: Rail locomotives	8.9.2009		
CEN	EN 1915-1:2001+A1:2009 Aircraft ground support equipment - General requirements - Part 1: Basic safety requirements	8.9.2009		
CEN	EN 1915-2:2001+A1:2009 Aircraft ground support equipment - General requirements - Part 2: Stability and strength requirements, calculations and test methods	8.9.2009		

ESO ⁽¹⁾	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 1915-3:2004+A1:2009 Aircraft ground support equipment - General requirements - Part 3: Vibration measurement methods and reduction	8.9.2009		
CEN	EN 1915-4:2004+A1:2009 Aircraft ground support equipment - General requirements - Part 4: Noise measurement methods and reduction	8.9.2009		
CEN	EN 1953:1998+A1:2009 Atomising and spraying equipment for coating materials - Safety requirements	18.12.2009		
CEN	EN 1974:1998+A1:2009 Food processing machinery - Slicing machines - Safety and hygiene requirements	18.12.2009		
CEN	EN ISO 2151:2008 Acoustics - Noise test code for compressors and vacuum pumps - Engin- eering method (Grade 2) (ISO 2151:2004)	8.9.2009		
CEN	EN ISO 2860:2008 Earth-moving machinery - Minimum access dimensions (ISO 2860:1992)	8.9.2009		
CEN	EN ISO 2867:2008 Earth-moving machinery - Access systems (ISO 2867:2006, including Cor 1:2008)	8.9.2009		
CEN	EN ISO 3164:2008 Earth-moving machinery - Laboratory evaluations of protective structures - Specifications for deflection-limiting volume (ISO 3164:1995)	8.9.2009		
CEN	EN ISO 3266:2010 Forged steel eyebolts grade 4 for general lifting purposes (ISO 3266:2010)	20.10.2010		
CEN	EN ISO 3411:2007 Earth-moving machinery - Physical dimensions of operators and minimum operator space envelope (ISO 3411:2007)	8.9.2009		
CEN	EN ISO 3449:2008 Earth-moving machinery - Falling-object protective structures - Laboratory tests and performance requirements (ISO 3449:2005)	8.9.2009		
CEN	EN ISO 3450:2008 Earth-moving machinery - Braking systems of rubber-tyred machines - Systems and performance requirements and test procedures (ISO 3450:1996)	8.9.2009		
CEN	EN ISO 3457:2008 Earth-moving machinery - Guards - Definitions and requirements (ISO 3457:2003)	8.9.2009		
CEN	EN ISO 3471:2008 Earth-moving machinery - Roll-over protective structures - Laboratory tests and performance requirements (ISO 3471:2008)	8.9.2009		
CEN	EN ISO 3741:2010 Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Precision methods for reverberation test rooms (ISO 3741:2010)	8.4.2011	EN ISO 3741:2009 Note 2.1	Date expired (30.4.2011)

ESO (1)	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN ISO 3743-1:2010 Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for small movable sources in reverberant fields - Part 1: Comparison method for a hard-walled test room (ISO 3743-1:2010)	8.4.2011	EN ISO 3743-1:2009 Note 2.1	Date expired (30.4.2011)
CEN	EN ISO 3743-2:2009 Acoustics - Determination of sound power levels of noise sources using sound pressure - Engineering methods for small, movable sources in reverberant fields - Part 2: Methods for special reverberation test rooms (ISO 3743-2:1994)	18.12.2009		
CEN	EN ISO 3744:2010 Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for an essentially free field over a reflecting plane (ISO 3744:2010)	8.4.2011	EN ISO 3744:2009 Note 2.1	Date expired (30.4.2011)
CEN	EN ISO 3745:2009 Acoustics - Determination of sound power levels of noise sources using sound pressure - Precision methods for anechoic and semi-anechoic rooms (ISO 3745:2003)	18.12.2009		
CEN	EN ISO 3746:2010 Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Survey method using an enveloping measurement surface over a reflecting plane (ISO 3746:2010)	8.4.2011	EN ISO 3746:2009 Note 2.1	Date expired (30.6.2011)
CEN	EN ISO 3747:2010 Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering/survey methods for use in situ in a reverberant environment (ISO 3747:2010)	8.4.2011	EN ISO 3747:2009 Note 2.1	Date expired (30.6.2011)
CEN	EN ISO 4254-1:2009 Agricultural machinery - Safety - Part 1: General requirements (ISO 4254-1:2008)	18.12.2009		
	EN ISO 4254-1:2009/AC:2010			
CEN	EN ISO 4254-5:2009 Agricultural machinery - Safety - Part 5: Power-driven soil-working machines (ISO 4254-5:2008)	26.5.2010		
	EN ISO 4254-5:2009/AC:2011			
CEN	EN ISO 4254-6:2009 Agricultural machinery - Safety - Part 6: Sprayers and liquid fertilizer distributors (ISO 4254-6:2009)	26.5.2010		
	EN ISO 4254-6:2009/AC:2010			
CEN	EN ISO 4254-7:2009 Agricultural machinery - Safety - Part 7: Combine harvesters, forage harvesters and cotton harvesters (ISO 4254-7:2008)	26.5.2010		
	EN ISO 4254-7:2009/AC:2010			

ESO ⁽¹⁾	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN ISO 4254-10:2009 Agricultural machinery - Safety - Part 10: Rotary tedders and rakes (ISO 4254-10:2009)	26.5.2010		
	EN ISO 4254-10:2009/AC:2010			
CEN	EN ISO 4254-11:2010 Agricultural machinery - Safety - Part 11: Pick-up balers (ISO 4254-11:2010)	8.4.2011	EN 704:1999+A1:2009 Note 2.1	Date expired (30.6.2011)
CEN	EN ISO 4413:2010 Hydraulic fluid power - General rules and safety requirements for systems and their components (ISO 4413:2010)	8.4.2011	EN 982:1996+A1:2008 Note 2.1	30.11.2011
CEN	EN ISO 4414:2010 Pneumatic fluid power - General rules and safety requirements for systems and their components (ISO 4414:2010)	8.4.2011	EN 983:1996+A1:2008 Note 2.1	30.11.2011
CEN	EN ISO 4871:2009 Acoustics - Declaration and verification of noise emission values of machinery and equipment (ISO 4871:1996)	18.12.2009		
CEN	EN ISO 5136:2009 Acoustics - Determination of sound power radiated into a duct by fans and other air-moving devices - In-duct method (ISO 5136:2003)	18.12.2009		
CEN	EN ISO 5674:2009 Tractors and machinery for agriculture and forestry - Guards for power take-off (PTO) drive-shafts - Strength and wear tests and acceptance criteria (ISO 5674:2004, corrected version 2005-07-01)	8.9.2009		
CEN	EN ISO 6682:2008 Earth-moving machinery - Zones of comfort and reach for controls (ISO 6682:1986, including Amd 1:1989)	8.9.2009		
CEN	EN ISO 6683:2008 Earth-moving machinery - Seat belts and seat belt anchorages - Performance requirements and tests (ISO 6683:2005)	8.9.2009		
CEN	EN ISO 7096:2008 Earth-moving machinery - Laboratory evaluation of operator seat vibration (ISO 7096:2000)	8.9.2009		
	EN ISO 7096:2008/AC:2009			
CEN	EN ISO 7235:2009 Acoustics - Laboratory measurement procedures for ducted silencers and air-terminal units - Insertion loss, flow noise and total pressure loss (ISO 7235:2003)	18.12.2009		
CEN	EN ISO 7731:2008 Ergonomics - Danger signals for public and work areas - Auditory danger signals (ISO 7731:2003)	8.9.2009		
CEN	EN ISO 8230-1:2008 Safety requirements for dry-cleaning machines - Part 1: Common safety requirements (ISO 8230-1:2008)	8.9.2009		

ESO (1)	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN ISO 8230-2:2008 Safety requirements for dry-cleaning machines - Part 2: Machines using perchloroethylene (ISO 8230-2:2008)	8.9.2009		
CEN	EN ISO 8230-3:2008 Safety requirements for dry-cleaning machines - Part 3: Machines using combustible solvents (ISO 8230-3:2008)	8.9.2009		
CEN	EN ISO 9614-1:2009 Acoustics - Determination of sound power levels of noise sources using sound intensity - Part 1: Measurement at discrete points (ISO 9614-1:1993)	18.12.2009		
CEN	EN ISO 9614-3:2009 Acoustics - Determination of sound power levels of noise sources using sound intensity - Part 3: Precision method for measurement by scanning (ISO 9614-3:2002)	18.12.2009		
CEN	EN ISO 9902-1:2001 Textile machinery - Noise test code - Part 1: Common requirements (ISO 9902-1:2001)	18.12.2009		
	EN ISO 9902-1:2001/A1:2009	18.12.2009	Note 3	Date expired (28.12.2009)
CEN	EN ISO 9902-2:2001 Textile machinery - Noise test code - Part 2: Spinning preparatory and spinning machinery (ISO 9902-2:2001)	18.12.2009		
	EN ISO 9902-2:2001/A1:2009	18.12.2009	Note 3	Date expired (28.12.2009)
CEN	EN ISO 9902-3:2001 Textile machinery - Noise test code - Part 3: Nonwoven machinery (ISO 9902-3:2001)	18.12.2009		
	EN ISO 9902-3:2001/A1:2009	18.12.2009	Note 3	Date expired (28.12.2009)
CEN	EN ISO 9902-4:2001 Textile machinery - Noise test code - Part 4: Yarn processing, cordage and rope manufacturing machinery (ISO 9902-4:2001)	18.12.2009		
	EN ISO 9902-4:2001/A1:2009	18.12.2009	Note 3	Date expired (28.12.2009)
CEN	EN ISO 9902-5:2001 Textile machinery - Noise test code - Part 5: Weaving and knitting preparatory machinery (ISO 9902-5:2001)	18.12.2009		
	EN ISO 9902-5:2001/A1:2009	18.12.2009	Note 3	Date expired (28.12.2009)

ESO ⁽¹⁾	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN ISO 9902-6:2001 Textile machinery - Noise test code - Part 6: Fabric manufacturing machinery (ISO 9902-6:2001)	18.12.2009		
	EN ISO 9902-6:2001/A1:2009	18.12.2009	Note 3	Date expired (28.12.2009)
CEN	EN ISO 9902-7:2001 Textile machinery - Noise test code - Part 7: Dyeing and finishing machinery (ISO 9902-7:2001)	18.12.2009		
	EN ISO 9902-7:2001/A1:2009	18.12.2009	Note 3	Date expired (28.12.2009)
CEN	EN ISO 10218-1:2008 Robots for industrial environments - Safety requirements - Part 1: Robot (ISO 10218-1:2006, including Cor 1:2007)	8.9.2009		
CEN	EN ISO 10472-1:2008 Safety requirements for industrial laundry machinery - Part 1: Common requirements (ISO 10472-1:1997)	8.9.2009		
CEN	EN ISO 10472-2:2008 Safety requirements for industrial laundry machinery - Part 2: Washing machines and washer-extractors (ISO 10472-2:1997)	8.9.2009		
CEN	EN ISO 10472-3:2008 Safety requirements for industrial laundry machinery - Part 3: Washing tunnel lines including component machines (ISO 10472-3:1997)	8.9.2009		
CEN	EN ISO 10472-4:2008 Safety requirements for industrial laundry machinery - Part 4: Air dryers (ISO 10472-4:1997)	8.9.2009		
CEN	EN ISO 10472-5:2008 Safety requirements for industrial laundry machinery - Part 5: Flatwork ironers, feeders and folders (ISO 10472-5:1997)	8.9.2009		
CEN	EN ISO 10472-6:2008 Safety requirements for industrial laundry machinery - Part 6: Ironing and fusing presses (ISO 10472-6:1997)	8.9.2009		
CEN	EN ISO 10517:2009 Powered hand-held hedge trimmers - Safety (ISO 10517:2009)	18.12.2009		
CEN	EN ISO 10821:2005 Industrial sewing machines - Safety requirements for sewing machines, units and systems (ISO 10821:2005)	18.12.2009		
	EN ISO 10821:2005/A1:2009	18.12.2009	Note 3	Date expired (28.12.2009)

ESO ⁽¹⁾	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN ISO 11102-1:2009 Reciprocating internal combustion engines - Handle starting equipment - Part 1: Safety requirements and tests (ISO 11102-1:1997)	18.12.2009		
CEN	EN ISO 11102-2:2009 Reciprocating internal combustion engines - Handle starting equipment - Part 2: Method of testing the angle of disengagement (ISO 11102-2:1997)	8.9.2009		
CEN	EN ISO 11111-1:2009 Textile machinery - Safety requirements - Part 1: Common requirements (ISO 11111-1:2009)	18.12.2009		
CEN	EN ISO 11111-2:2005 Textile machinery - Safety requirements - Part 2: Spinning preparatory and spinning machines (ISO 11111-2:2005)	18.12.2009		
	EN ISO 11111-2:2005/A1:2009	18.12.2009	Note 3	Date expired (31.1.2010)
CEN	EN ISO 11111-3:2005 Textile machinery - Safety requirements - Part 3: Nonwoven machinery (ISO 11111-3:2005)	18.12.2009		
	EN ISO 11111-3:2005/A1:2009	18.12.2009	Note 3	Date expired (31.1.2010)
CEN	EN ISO 11111-4:2005 Textile machinery - Safety requirements - Part 4: Yarn processing, cordage and rope manufacturing machinery (ISO 11111-4:2005)	18.12.2009		
	EN ISO 11111-4:2005/A1:2009	18.12.2009	Note 3	Date expired (31.1.2010)
CEN	EN ISO 11111-5:2005 Textile machinery - Safety requirements - Part 5: Preparatory machinery to weaving and knitting (ISO 11111-5:2005)	18.12.2009		
	EN ISO 11111-5:2005/A1:2009	18.12.2009	Note 3	Date expired (31.1.2010)
CEN	EN ISO 11111-6:2005 Textile machinery - Safety requirements - Part 6: Fabric manufacturing machinery (ISO 11111-6:2005)	18.12.2009		
	EN ISO 11111-6:2005/A1:2009	18.12.2009	Note 3	Date expired (31.1.2010)

ESO ⁽¹⁾	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN ISO 11111-7:2005 Textile machinery - Safety requirements - Part 7: Dyeing and finishing machinery (ISO 11111-7:2005)	18.12.2009		
	EN ISO 11111-7:2005/A1:2009	18.12.2009	Note 3	Date expired (31.1.2010)
CEN	EN ISO 11145:2008 Optics and photonics - Lasers and laser-related equipment - Vocabulary and symbols (ISO 11145:2006)	8.9.2009		
CEN	EN ISO 11148-3:2010 Hand-held non-electric power tools - Safety requirements - Part 3: Drills and tappers (ISO 11148-3:2010)	8.4.2011	EN 792- 3:2000+A1:2008 Note 2.1	Date expired (30.4.2011)
CEN	EN ISO 11148-4:2010 Hand-held non-electric power tools - Safety requirements - Part 4: Nonrotary percussive power tools (ISO 11148-4:2010)	8.4.2011	EN 792- 4:2000+A1:2008 Note 2.1	Date expired (30.4.2011)
CEN	EN ISO 11148-6:2010 Hand-held non-electric power tools - Safety requirements - Part 6: Assembly power tools for threaded fasteners (ISO 11148-6:2010)	8.4.2011	EN 792- 6:2000+A1:2008 Note 2.1	Date expired (30.4.2011)
CEN	EN ISO 11161:2007 Safety of machinery - Integrated manufacturing systems - Basic requirements (ISO 11161:2007)	26.5.2010		
	EN ISO 11161:2007/A1:2010	26.5.2010	Note 3	Date expired (30.9.2010)
CEN	EN ISO 11200:2009 Acoustics - Noise emitted by machinery and equipment - Guidelines for the use of basic standards for the determination of emission sound pressure levels at a work station and at other specified positions (ISO 11200:1995, including Cor 1:1997)	18.12.2009		
CEN	EN ISO 11201:2010 Acoustics - Noise emitted by machinery and equipment - Determination of emission sound pressure levels at a work station and at other specified positions in an essentially free field over a reflecting plane with negligible environmental corrections (ISO 11201:2010)	20.10.2010	EN ISO 11201:2009 Note 2.1	Date expired (30.11.2010)
CEN	EN ISO 11202:2010 Acoustics - Noise emitted by machinery and equipment - Determination of emission sound pressure levels at a work station and at other specified positions applying approximate environmental corrections (ISO 11202:2010)	20.10.2010	EN ISO 11202:2009 Note 2.1	Date expired (30.11.2010)
CEN	EN ISO 11203:2009 Acoustics - Noise emitted by machinery and equipment - Determination of emission sound pressure levels at a work station and at other specified positions from the sound power level (ISO 11203:1995)	18.12.2009		

ESO (1)	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN ISO 11204:2010 Acoustics - Noise emitted by machinery and equipment - Determination of emission sound pressure levels at a work station and at other specified positions applying accurate environmental corrections (ISO 11204:2010)	20.10.2010	EN ISO 11204:2009 Note 2.1	Date expired (30.11.2010)
CEN	EN ISO 11205:2009 Acoustics - Noise emitted by machinery and equipment - Engineering method for the determination of emission sound pressure levels in situ at the work station and at other specified positions using sound intensity (ISO 11205:2003)	18.12.2009		
CEN	EN ISO 11252:2008 Lasers and laser-related equipment - Laser device - Minimum requirements for documentation (ISO 11252:2004)	8.9.2009		
CEN	EN ISO 11546-1:2009 Acoustics - Determination of sound insulation performances of enclosures - Part 1: Measurements under laboratory conditions (for declaration purposes) (ISO 11546-1:1995)	18.12.2009		
CEN	EN ISO 11546-2:2009 Acoustics - Determination of sound insulation performances of enclosures - Part 2: Measurements in situ (for acceptance and verification purposes) (ISO 11546-2:1995)	18.12.2009		
CEN	EN ISO 11553-1:2008 Safety of machinery - Laser processing machines - Part 1: General safety requirements (ISO 11553-1:2005)	8.9.2009		
CEN	EN ISO 11553-2:2008 Safety of machinery - Laser processing machines - Part 2: Safety requirements for hand-held laser processing devices (ISO 11553-2:2007)	8.9.2009		
CEN	EN ISO 11554:2008 Optics and photonics - Lasers and laser-related equipment - Test methods for laser beam power, energy and temporal characteristics (ISO 11554:2006)	8.9.2009		
CEN	EN ISO 11680-1:2008 Machinery for forestry - Safety requirements and testing for pole-mounted powered pruners - Part 1: Units fitted with an integral combustion engine (ISO 11680-1:2000)	8.9.2009		
CEN	EN ISO 11680-2:2008 Machinery for forestry - Safety requirements and testing for pole-mounted powered pruners - Part 2: Units for use with a back-pack power source (ISO 11680-2:2000)	8.9.2009		
CEN	EN ISO 11681-1:2008 Machinery for forestry - Portable chain-saw safety requirements and testing - Part 1: Chain-saws for forest service (ISO 11681-1:2004, including Amd 1:2007)	8.9.2009		
CEN	EN ISO 11681-2:2008 Machinery for forestry - Portable chain-saw safety requirements and testing - Part 2: Chain-saws for tree service (ISO 11681-2:2006)	8.9.2009		

ESO ⁽¹⁾	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN ISO 11688-1:2009 Acoustics - Recommended practice for the design of low-noise machinery and equipment - Part 1: Planning (ISO/TR 11688-1:1995)	18.12.2009		
CEN	EN ISO 11691:2009 Acoustics - Measurement of insertion loss of ducted silencers without flow - Laboratory survey method (ISO 11691:1995)	18.12.2009		
CEN	EN ISO 11806:2008 Agricultural and forestry machinery - Portable hand-held combustion engine driven brush cutters and grass trimmers - Safety (ISO 11806:1997)	8.9.2009		
CEN	EN ISO 11957:2009 Acoustics - Determination of sound insulation performance of cabins - Laboratory and in situ measurements (ISO 11957:1996)	18.12.2009		
CEN	EN 12001:2003+A1:2009 Conveying, spraying and placing machines for concrete and mortar - Safety requirements	26.5.2010		
CEN	EN 12012-1:2007+A1:2008 Plastics and rubber machines - Size reduction machines - Part 1: Safety requirements for blade granulators	8.9.2009		
CEN	EN 12012-3:2001+A1:2008 Plastics and rubber machines - Size reduction machines - Part 3: Safety requirements for shredders	8.9.2009		
CEN	EN 12012-4:2006+A1:2008 Plastics and rubber machines - Size reduction machines - Part 4: Safety requirements for agglomerators	8.9.2009		
CEN	EN 12013:2000+A1:2008 Plastics and rubber machines - Internal mixers - Safety requirements	8.9.2009		
CEN	EN 12016:2004+A1:2008 Electromagnetic compatibility - Product family standard for lifts, escalators and moving walks - Immunity	8.9.2009		
CEN	EN 12041:2000+A1:2009 Food processing machinery - Moulders - Safety and hygiene requirements	18.12.2009		
CEN	EN 12042:2005+A1:2010 Food processing machinery - Automatic dividers - Safety and hygiene requirements	8.4.2011		
CEN	EN 12043:2000+A1:2010 Food processing machinery - Intermediate provers - Safety and hygiene requirements	8.4.2011		
CEN	EN 12044:2005+A1:2009 Footwear, leather and imitation leather goods manufacturing machines - Cutting and punching machines - Safety requirements	18.12.2009		

ESO (1)	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 12053:2001+A1:2008 Safety of industrial trucks - Test methods for measuring noise emissions	8.9.2009		
CEN	EN 12077-2:1998+A1:2008 Cranes safety - Requirements for health and safety - Part 2: Limiting and indicating devices	8.9.2009		
CEN	EN ISO 12100:2010 Safety of machinery - General principles for design - Risk assessment and risk reduction (ISO 12100:2010)	8.4.2011	EN ISO 12100-1:2003 EN ISO 12100-2:2003 EN ISO 14121-1:2007 Note 2.1	30.11.2013
CEN	EN 12110:2002+A1:2008 Tunnelling machines - Air locks - Safety requirements	8.9.2009		
CEN	EN 12111:2002+A1:2009 Tunnelling machines - Road headers, continuous miners and impact rippers - Safety requirements	18.12.2009		
CEN	EN 12158-1:2000+A1:2010 Builders' hoists for goods - Part 1: Hoists with accessible platforms	8.4.2011		
CEN	EN 12158-2:2000+A1:2010 Builders' hoists for goods - Part 2: Inclined hoists with non-accessible load carrying devices	8.4.2011		
CEN	EN 12159:2000+A1:2009 Builders hoists for persons and materials with vertically guided cages	18.12.2009		
CEN	EN 12162:2001+A1:2009 Liquid pumps - Safety requirements - Procedure for hydrostatic testing	8.9.2009		
CEN	EN 12198-1:2000+A1:2008 Safety of machinery - Assessment and reduction of risks arising from radiation emitted by machinery - Part 1: General principles	8.9.2009		
CEN	EN 12198-2:2002+A1:2008 Safety of machinery - Assessment and reduction of risks arising from radiation emitted by machinery - Part 2: Radiation emission measurement procedure	8.9.2009		
CEN	EN 12198-3:2002+A1:2008 Safety of machinery - Assessment and reduction of risks arising from radiation emitted by machinery - Part 3: Reduction of radiation by attenuation or screening	8.9.2009		
CEN	EN 12203:2003+A1:2009 Footwear, leather and imitation leather goods manufacturing machines - Shoe and leather presses - Safety requirements	18.12.2009		

ESO ⁽¹⁾	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 12254:2010 Screens for laser working places - Safety requirements and testing	26.5.2010	EN 12254:1998+A2:2008 Note 2.1	Date expired (30.9.2010)
CEN	EN 12267:2003+A1:2010 Food processing machinery - Circular saw machines - Safety and hygiene requirements	20.10.2010		
CEN	EN 12268:2003+A1:2010 Food processing machinery - Band saw machines - Safety and hygiene requirements	20.10.2010		
CEN	EN 12301:2000+A1:2008 Plastics and rubber machines - Calenders - Safety requirements	8.9.2009		
CEN	EN 12312-1:2001+A1:2009 Aircraft ground support equipment - Specific requirements - Part 1: Passenger stairs	8.9.2009		
CEN	EN 12312-2:2002+A1:2009 Aircraft ground support equipment - Specific requirements - Part 2: Catering vehicles	8.9.2009		
CEN	EN 12312-3:2003+A1:2009 Aircraft ground support equipment - Specific requirements - Part 3: Conveyor belt vehicles	8.9.2009		
CEN	EN 12312-4:2003+A1:2009 Aircraft ground support equipment - Specific requirements - Part 4: Passenger boarding bridges	8.9.2009		
CEN	EN 12312-5:2005+A1:2009 Aircraft ground support equipment - Specific requirements - Part 5: Aircraft fuelling equipment	8.9.2009		
CEN	EN 12312-6:2004+A1:2009 Aircraft ground support equipment - Specific requirements - Part 6: Deicers and deicing/antiicing equipment	8.9.2009		
CEN	EN 12312-7:2005+A1:2009 Aircraft ground support equipment - Specific requirements - Part 7: Air-craft movement equipment	8.9.2009		
CEN	EN 12312-8:2005+A1:2009 Aircraft ground support equipment - Specific requirements - Part 8: Main- tenance stairs and platforms	8.9.2009		
CEN	EN 12312-9:2005+A1:2009 Aircraft ground support equipment - Specific requirements - Part 9: Container/Pallet loaders	8.9.2009		
Warning: This publication does not concern clause 5.6 of the standard, the application of which does not confer a presumption of conformity with the essential health and safety requirement 1.5.15 of Annex I to Directive 2006/42/EC, in conjunction with the requirement 1.1.2(b) of that Annex.				
CEN	EN 12312-10:2005+A1:2009 Aircraft ground support equipment - Specific requirements - Part 10: Container/Pallet transfer transporters	8.9.2009		

ESO (1)	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 12312-12:2002+A1:2009 Aircraft ground support equipment - Specific requirements - Part 12: Potable water service equipment	8.9.2009		
CEN	EN 12312-13:2002+A1:2009 Aircraft ground support equipment - Specific requirements - Part 13: Lavatory service equipment	8.9.2009		
CEN	EN 12312-14:2006+A1:2009 Aircraft ground support equipment - Specific requirements - Part 14: Disabled/incapacitated passenger boarding vehicles	8.9.2009		
CEN	EN 12312-15:2006+A1:2009 Aircraft ground support equipment - Specific requirements - Part 15: Baggage and equipment tractors	8.9.2009		
CEN	EN 12312-16:2005+A1:2009 Aircraft ground support equipment - Specific requirements - Part 16: Air start equipment	8.9.2009		
CEN	EN 12312-17:2004+A1:2009 Aircraft ground support equipment - Specific requirements - Part 17: Air conditioning equipment	8.9.2009		
CEN	EN 12312-18:2005+A1:2009 Aircraft ground support equipment - Specific requirements - Part 18: Nitrogen or Oxygen units	8.9.2009		
CEN	EN 12312-19:2005+A1:2009 Aircraft ground support equipment - Specific requirements - Part 19: Aircraft jacks, axle jacks and hydraulic tail stanchions	8.9.2009		
CEN	EN 12312-20:2005+A1:2009 Aircraft ground support equipment - Specific requirements - Part 20: Electrical ground power units	8.9.2009		
CEN	EN 12321:2003+A1:2009 Underground mining machinery - Specification for the safety requirements of armoured face conveyors	8.9.2009		
CEN	EN 12331:2003+A2:2010 Food processing machinery - Mincing machines - Safety and hygiene requirements	20.10.2010		
CEN	EN 12336:2005+A1:2008 Tunnelling machines - Shield machines, thrust boring machines, auger boring machines, lining erection equipment - Safety requirements	8.9.2009		
CEN	EN 12348:2000+A1:2009 Core drilling machines on stand - Safety	8.9.2009		
CEN	EN 12355:2003+A1:2010 Food processing machinery - Derinding-, skinning- and membrane removal machines - Safety and hygiene requirements	20.10.2010		
CEN	EN 12385-1:2002+A1:2008 Steel wire ropes - Safety - Part 1: General requirements	8.9.2009		

ESO ⁽¹⁾	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 12385-2:2002+A1:2008 Steel wire ropes - Safety - Part 2: Definitions, designation and classification	8.9.2009		
CEN	EN 12385-3:2004+A1:2008 Steel wire ropes - Safety - Part 3: Information for use and maintenance	8.9.2009		
CEN	EN 12385-4:2002+A1:2008 Steel wire ropes - Safety - Part 4: Stranded ropes for general lifting applications	8.9.2009		
CEN	EN 12385-10:2003+A1:2008 Steel wire ropes - Safety - Part 10: Spiral ropes for general structural applications	8.9.2009		
CEN	EN 12387:2005+A1:2009 Footwear, leather and imitation leather goods manufacturing machines - Modular shoe repair equipment - Safety requirements	18.12.2009		
CEN	EN 12409:2008 Plastics and rubber machines - Thermoforming machines - Safety requirements	8.9.2009		
CEN	EN 12417:2001+A2:2009 Machine tools - Safety - Machining centres	8.9.2009		
	EN 12417:2001+A2:2009/AC:2010			
CEN	EN 12418:2000+A1:2009 Masonry and stone cutting-off machines for job site - Safety	8.9.2009		
CEN	EN 12463:2004+A1:2011 Food processing machinery - Filling machines and auxiliary machines - Safety and hygiene requirements	This is the first publication		
CEN	EN 12505:2000+A1:2009 Food processing machinery - Centrifugal machines for processing edible oils and fats - Safety and hygiene requirements	18.12.2009		
CEN	EN 12525:2000+A2:2010 Agricultural machinery - Front loaders - Safety	26.5.2010		
CEN	EN 12545:2000+A1:2009 Footwear, leather and imitation leather goods manufacturing machines - Noise test code - Common requirements	8.9.2009		
CEN	EN 12547:1999+A1:2009 Centrifuges - Common safety requirements	8.9.2009		
CEN	EN 12549:1999+A1:2008 Acoustics - Noise test code for fastener driving tools - Engineering method	8.9.2009		

ESO (*)	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 12581:2005+A1:2010 Coating plants - Machinery for dip coating and electrodeposition of organic liquid coating material - Safety requirements	20.10.2010		
CEN	EN 12601:2010 Reciprocating internal combustion engine driven generating sets - Safety	8.4.2011		
CEN	EN 12621:2006+A1:2010 Machinery for the supply and circulation of coating materials under pressure - Safety requirements	20.10.2010		
CEN	EN 12622:2009 Safety of machine tools - Hydraulic press brakes	26.5.2010		
CEN	EN 12629-1:2000+A1:2010 Machines for the manufacture of constructional products from concrete and calcium-silicate - Safety - Part 1: Common requirements	8.4.2011		
CEN	EN 12629-2:2002+A1:2010 Machines for the manufacture of constructional products from concrete and calcium-silicate - Safety - Part 2: Block making machines	8.4.2011		
CEN	EN 12629-3:2002+A1:2010 Machines for the manufacture of constructional products from concrete and calcium-silicate - Safety - Part 3: Slide and turntable machines	8.4.2011		
CEN	EN 12629-4:2001+A1:2010 Machines for the manufacture of constructional products from concrete and calcium-silicate - Safety - Part 4: Concrete roof tile making machines	8.4.2011		
CEN	EN 12629-5-1:2003+A1:2010 Machines for the manufacture of constructional products from concrete and calcium-silicate - Safety - Part 5-1: Pipe making machines manufacturing in the vertical axis	8.4.2011		
CEN	EN 12629-5-2:2003+A1:2010 Machines for the manufacture of constructional products from concrete and calcium-silicate - Safety - Part 5-2: Pipe making machines manufacturing in the horizontal axis	8.4.2011		
CEN	EN 12629-5-3:2003+A1:2010 Machines for the manufacture of constructional products from concrete and calcium-silicate - Safety - Part 5-3: Pipe prestressing machines	8.4.2011		
CEN	EN 12629-5-4:2003+A1:2010 Machines for the manufacture of constructional products from concrete and calcium-silicate - Safety - Part 5-4: Concrete pipe coating machines	8.4.2011		
CEN	EN 12629-6:2004+A1:2010 Machines for the manufacture of constructional products from concrete and calcium-silicate - Safety - Part 6: Stationary and mobile equipment for the manufacture of precast reinforced products	8.4.2011		

ESO ⁽¹⁾	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 12629-7:2004+A1:2010 Machines for the manufacture of constructional products from concrete and calcium-silicate - Safety - Part 7: Stationary and mobile equipment for long line manufacture of prestressed products	8.4.2011		
CEN	EN 12629-8:2002+A1:2010 Machines for the manufacture of constructional products from concrete and calcium-silicate - Safety - Part 8: Machines and equipment for the manufacture of constructional products from calcium-silicate (and concrete)	8.4.2011		
CEN	EN 12635:2002+A1:2008 Industrial, commercial and garage doors and gates - Installation and use	8.9.2009		
CEN	EN 12643:1997+A1:2008 Earth-moving machinery - Rubber-tyred machines - Steering requirements (ISO 5010:1992 modified)	8.9.2009		
CEN	EN 12644-1:2001+A1:2008 Cranes - Information for use and testing - Part 1: Instructions	8.9.2009		
CEN	EN 12644-2:2000+A1:2008 Cranes - Information for use and testing - Part 2: Marking	8.9.2009		
CEN	EN 12649:2008 Concrete compactors and smoothing machines - Safety	8.9.2009		
CEN	EN 12653:1999+A2:2009 Footwear, leather and imitation leather manufacturing machines - Nailing machines - Safety requirements	18.12.2009		
CEN	EN 12693:2008 Refrigerating systems and heat pumps - Safety and environmental requirements - Positive displacement refrigerant compressors	8.9.2009		
CEN	EN 12717:2001+A1:2009 Safety of machine tools - Drilling machines	8.9.2009		
CEN	EN 12733:2001+A1:2009 Agricultural and forestry machinery - Pedestrian controlled motor mowers - Safety	8.9.2009		
CEN	EN 12750:2001+A1:2009 Safety of woodworking machines - Four-sided moulding machines	18.12.2009		
CEN	EN 12753:2005+A1:2010 Thermal cleaning systems for exhaust gas from surface treatment equipment - Safety requirements	20.10.2010		
CEN	EN 12757-1:2005+A1:2010 Mixing machinery for coating materials - Safety requirements - Part 1: Mixing machinery for use in vehicle refinishing	20.10.2010		

ESO (1)	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 12779:2004+A1:2009 Safety of woodworking machines - Chip and dust extraction systems with fixed installation - Safety related performances and safety requirements	18.12.2009		
CEN	EN 12851:2005+A1:2010 Food processing machinery - Catering attachments for machines having an auxiliary drive hub - Safety and hygiene requirements	26.5.2010		
CEN	EN 12852:2001+A1:2010 Food processing machinery - Food processors and blenders - Safety and hygiene requirements	20.10.2010		
CEN	EN 12853:2001+A1:2010 Food processing machinery - Hand-held blenders and whisks - Safety and hygiene requirements	20.10.2010		
	EN 12853:2001+A1:2010/AC:2010			
CEN	EN 12854:2003+A1:2010 Food processing machinery - Beam mixers - Safety and hygiene requirements	26.5.2010		
CEN	EN 12855:2003+A1:2010 Food processing machinery - Rotating bowl cutters - Safety and hygiene requirements	20.10.2010		
CEN	EN 12881-1:2005+A1:2008 Conveyor belts - Fire simulation flammability testing - Part 1: Propane burner tests	8.9.2009		
CEN	EN 12881-2:2005+A1:2008 Conveyor belts - Fire simulation flammability testing - Part 2: Large scale fire test	8.9.2009		
CEN	EN 12882:2008 Conveyor belts for general purpose use - Electrical and flammability safety requirements	8.9.2009		
CEN	EN 12921-1:2005+A1:2010 Machines for surface cleaning and pre-treatment of industrial items using liquids or vapours - Part 1: Common safety requirements	20.10.2010		
CEN	EN 12921-2:2005+A1:2008 Machines for surface cleaning and pre-treatment of industrial items using liquids or vapours - Part 2: Safety of machines using water based cleaning liquids	8.9.2009		
CEN	EN 12921-3:2005+A1:2008 Machines for surface cleaning and pre-treatment of industrial items using liquids or vapours - Part 3: Safety of machines using flammable cleaning liquids	8.9.2009		
CEN	EN 12921-4:2005+A1:2008 Machines for surface cleaning and pretreatment of industrial items using liquids and vapours - Part 4: Safety of machines using halogenated solvents	8.9.2009		

ESO ⁽¹⁾	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 12957:2001+A1:2009 Machine tools - Safety - Electro discharge machines	8.9.2009		
CEN	EN 12965:2003+A2:2009 Tractors and machinery for agriculture and forestry - Power take-off (PTO) drive shafts and their guards - Safety	18.12.2009		
CEN	EN 12978:2003+A1:2009 Industrial, commercial and garage doors and gates - Safety devices for power operated doors and gates - Requirements and test methods	18.12.2009		
CEN	EN 12981:2005+A1:2009 Coating plants - Spray booths for application of organic powder coating material - Safety requirements	8.9.2009		
CEN	EN 12984:2005+A1:2010 Food processing machinery - Portable and/or hand-guided machines and appliances with mechanically driven cutting tools - Safety and hygiene requirements	20.10.2010		
CEN	EN 12999:2011 Cranes - Loader cranes	8.4.2011		
CEN	EN 13000:2010 Cranes - Mobile cranes	26.5.2010		
	EN 13000:2010/AC:2010			
CEN	EN 13001-1:2004+A1:2009 Cranes - General design - Part 1: General principles and requirements	8.9.2009		
	EN 13001-1:2004+A1:2009/AC:2009			
CEN	EN 13001-2:2004+A3:2009 Crane safety - General design - Part 2: Load effects	8.9.2009	EN 13001-2:2004+A2:2009 Note 2.1	Date expired (28.12.2009)
CEN	EN 13015:2001+A1:2008 Maintenance for lifts and escalators - Rules for maintenance instructions	8.9.2009		
CEN	EN 13019:2001+A1:2008 Machines for road surface cleaning - Safety requirements	8.9.2009		
CEN	EN 13020:2004+A1:2010 Road surface treatment machines - Safety requirements	20.10.2010		
CEN	EN 13021:2003+A1:2008 Winter service machines - Safety requirements	8.9.2009		
CEN	EN 13023:2003+A1:2010 Noise measurement methods for printing, paper converting, paper making machines and auxiliary equipment - Accuracy grades 2 and 3	26.5.2010		

ESO (1)	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 13035-1:2008 Machines and plants for the manufacture, treatment and processing of flat glass - Safety requirements - Part 1: Storage, handling and transportation equipment inside the factory	8.9.2009		
CEN	EN 13035-2:2008 Machines and plants for the manufacture, treatment and processing of flat glass - Safety requirements - Part 2: Storage, handling and transportation equipment outside the factory	8.9.2009		
CEN	EN 13035-3:2003+A1:2009 Machines and plants for the manufacture, treatment and processing of flat glass - Safety requirements - Part 3: Cutting machines	18.12.2009		
	EN 13035-3:2003+A1:2009/AC:2010			
CEN	EN 13035-4:2003+A1:2009 Machines and plants for the manufacture, treatment and processing of flat glass - Safety requirements - Part 4: Tilting tables	26.5.2010		
CEN	EN 13035-5:2006+A1:2009 Machines and plants for the manufacture, treatment and processing of flat glass - Safety requirements - Part 5: Machines and installations for stacking and de-stacking	26.5.2010		
CEN	EN 13035-6:2006+A1:2009 Machines and plants for the manufacture, treatment and processing of flat glass - Safety requirements - Part 6: Machines for break-out	26.5.2010		
CEN	EN 13035-7:2006+A1:2009 Machines and plants for the manufacture, treatment and processing of flat glass - Safety requirements - Part 7: Cutting machines for laminated glass	26.5.2010		
CEN	EN 13035-9:2006+A1:2010 Machines and plants for the manufacture, treatment and processing of flat glass - Safety requirements - Part 9: Washing installations	26.5.2010		
CEN	EN 13035-11:2006+A1:2010 Machines and plants for the manufacture, treatment and processing of flat glass - Safety requirements - Part 11: Drilling machines	26.5.2010		
CEN	EN 13042-1:2007+A1:2009 Machines and plants for the manufacture, treatment and processing of hollow glass - Safety requirements - Part 1: Gob feeder	18.12.2009		
CEN	EN 13042-2:2004+A1:2009 Machines and plants for the manufacture, treatment and processing of hollow glass - Safety requirements - Part 2: Handling machines for feeding	18.12.2009		
CEN	EN 13042-3:2007+A1:2009 Machines and plants for the manufacture, treatment and processing of hollow glass - Safety requirements - Part 3: IS machines	18.12.2009		
CEN	EN 13042-5:2003+A1:2009 Machines and plants for the manufacture, treatment and processing of hollow glass - Safety requirements - Part 5: Presses	18.12.2009		

ESO ⁽¹⁾	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 13059:2002+A1:2008 Safety of industrial trucks - Test methods for measuring vibration	8.9.2009		
CEN	EN 13102:2005+A1:2008 Ceramic machines - Safety - Loading and unloading of fine clay tiles	8.9.2009		
CEN	EN 13112:2002+A1:2009 Tannery machines - Splitting and bandknife shearing machines - Safety requirements	26.5.2010		
CEN	EN 13113:2002+A1:2010 Tannery machines - Roller coating machines - Safety requirements	8.4.2011		
CEN	EN 13114:2002+A1:2009 Tannery machines - Rotating process vessels - Safety requirements	26.5.2010		
CEN	EN 13118:2000+A1:2009 Agricultural machinery - Potato harvesting equipment - Safety	18.12.2009		
CEN	EN 13120:2009 Internal blinds - Performance requirements including safety	8.9.2009		
CEN	EN 13128:2001+A2:2009 Safety of machine tools - Milling machines (including boring machines)	8.9.2009		
	EN 13128:2001+A2:2009/AC:2010			
CEN	EN 13135-1:2003+A1:2010 Cranes - Equipment - Part 1: Electrotechnical equipment	20.10.2010		
CEN	EN 13135-2:2004+A1:2010 Cranes - Equipment - Part 2: Non-electrotechnical equipment	8.4.2011		
CEN	EN 13140:2000+A1:2009 Agricultural machinery - Sugar beet and fodder beet harvesting equipment - Safety	18.12.2009		
CEN	EN 13155:2003+A2:2009 Cranes - Safety - Non-fixed load lifting attachments	8.9.2009		
CEN	EN 13157:2004+A1:2009 Cranes - Safety - Hand powered cranes	18.12.2009		
CEN	EN 13208:2003+A1:2010 Food processing machinery - Vegetable peelers - Safety and hygiene requirements	20.10.2010		
CEN	EN 13218:2002+A1:2008 Machine tools - Safety - Stationary grinding machines	8.9.2009		
	EN 13218:2002+A1:2008/AC:2010			

ESO (1)	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 13288:2005+A1:2009 Food processing machinery - Bowl lifting and tilting machines - Safety and hygiene requirements	26.5.2010		
CEN	EN 13355:2004+A1:2009 Coating plants - Combined booths - Safety requirements	8.9.2009		
CEN	EN 13367:2005+A1:2008 Ceramic machines - Safety - Transfer platforms and cars	8.9.2009		
	EN 13367:2005+A1:2008/AC:2009			
CEN	EN 13389:2005+A1:2009 Food processing machinery - Mixers with horizontal shafts - Safety and hygiene requirements	26.5.2010		
CEN	EN 13390:2002+A1:2009 Food processing machinery - Pie and tart machines - Safety and hygiene requirements	26.5.2010		
CEN	EN 13411-1:2002+A1:2008 Terminations for steel wire ropes - Safety - Part 1: Thimbles for steel wire rope slings	8.9.2009		
CEN	EN 13411-2:2001+A1:2008 Terminations for steel wire ropes - Safety - Part 2: Splicing of eyes for wire rope slings	8.9.2009		
CEN	EN 13411-3:2004+A1:2008 Terminations for steel wire ropes - Safety - Part 3: Ferrules and ferrule-securing	8.9.2009		
CEN	EN 13411-4:2011 Terminations for steel wire ropes - Safety - Part 4: Metal and resin socketing	This is the first publication	EN 13411-4:2002+A1:2008 Note 2.1	30.9.2011
CEN	EN 13411-5:2003+A1:2008 Terminations for steel wire ropes - Safety - Part 5: U-bolt wire rope grips	8.9.2009		
CEN	EN 13411-6:2004+A1:2008 Terminations for steel wire ropes - Safety - Part 6: Asymmetric wedge socket	8.9.2009		
CEN	EN 13411-7:2006+A1:2008 Terminations for steel wire ropes - Safety - Part 7: Symmetric wedge socket	8.9.2009		
CEN	EN 13414-1:2003+A2:2008 Steel wire rope slings - Safety - Part 1: Slings for general lifting service	8.9.2009		
CEN	EN 13414-2:2003+A2:2008 Steel wire rope slings - Safety - Part 2: Specification for information for use and maintenance to be provided by the manufacturer	8.9.2009		

ESO ⁽¹⁾	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 13414-3:2003+A1:2008 Steel wire rope slings - Safety - Part 3: Grommets and cable-laid slings	8.9.2009		
CEN	EN 13418:2004+A1:2008 Plastics and rubber machines - Winding machines for film or sheet - Safety requirements	8.9.2009		
CEN	EN 13448:2001+A1:2009 Agricultural and forestry machinery - Inter-row mowing units - Safety	18.12.2009		
CEN	EN 13457:2004+A1:2010 Footwear, leather and imitation leather goods manufacturing machines - Splitting, skiving, cutting, cementing and cement drying machines - Safety requirements	20.10.2010		
CEN	EN 13478:2001+A1:2008 Safety of machinery - Fire prevention and protection	8.9.2009		
CEN	EN 13490:2001+A1:2008 Mechanical vibration - Industrial trucks - Laboratory evaluation and specification of operator seat vibration	8.9.2009		
CEN	EN 13524:2003+A1:2009 Highway maintenance machines - Safety requirements	8.9.2009		
CEN	EN 13525:2005+A2:2009 Forestry machinery - Wood chippers - Safety	18.12.2009		
CEN	EN 13531:2001+A1:2008 Earth-moving machinery - Tip-over protection structure (TOPS) for compact excavators - Laboratory tests and performance requirements (ISO 12117:1997 modified)	8.9.2009		
CEN	EN 13534:2006+A1:2010 Food processing machinery - Curing injection machines - Safety and hygiene requirements	20.10.2010		
CEN	EN 13557:2003+A2:2008 Cranes - Controls and control stations	8.9.2009		
CEN	EN 13561:2004+A1:2008 External blinds - Performance requirements including safety	8.9.2009		
CEN	EN 13570:2005+A1:2010 Food processing machinery - Mixing machines - Safety and hygiene requirements	20.10.2010		
CEN	EN 13586:2004+A1:2008 Cranes - Access	8.9.2009		
CEN	EN 13591:2005+A1:2009 Food processing machinery - Fixed deck oven loaders - Safety and hygiene requirements	26.5.2010		

ESO (*)	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 13617-1:2004+A1:2009 Petrol filling stations - Part 1: Safety requirements for construction and performance of metering pumps, dispensers and remote pumping units	8.9.2009		
CEN	EN 13621:2004+A1:2010 Food processing machinery - Salad dryers - Safety and hygiene requirements	20.10.2010		
CEN	EN 13659:2004+A1:2008 Shutters - Performance requirements including safety	8.9.2009		
CEN	EN 13675:2004+A1:2010 Safety of machinery - Safety requirements for tube forming and rolling mills and their finishing line equipment	20.10.2010		
CEN	EN 13683:2003+A2:2011 Garden equipment - Integrally powered shredders/chippers - Safety	This is the first publication		
CEN	EN 13684:2004+A3:2009 Garden equipment - Pedestrian controlled lawn aerators and scarifiers - Safety	26.5.2010	EN 13684:2004+A2:2009 Note 2.1	Date expired (30.6.2010)
CEN	EN 13731:2007 Lifting bag systems for fire and rescue service use - Safety and performance requirements	8.9.2009		
CEN	EN 13732:2002+A2:2009 Food processing machinery - Bulk Milk Coolers on Farms - Requirements for construction, performance, suitability for use, safety and hygiene	8.9.2009		
CEN	EN ISO 13732-1:2008 Ergonomics of the thermal environment - Methods for the assessment of human responses to contact with surfaces - Part 1: Hot surfaces (ISO 13732-1:2006)	8.9.2009		
CEN	EN ISO 13732-3:2008 Ergonomics of the thermal environment - Methods for the assessment of human responses to contact with surfaces - Part 3: Cold surfaces (ISO 13732-3:2005)	8.9.2009		
CEN	EN 13736:2003+A1:2009 Safety of machine tools - Pneumatic presses	8.9.2009		
CEN	EN ISO 13753:2008 Mechanical vibration and shock - Hand-arm vibration - Method for measuring the vibration transmissibility of resilient materials when loaded by the hand-arm system (ISO 13753:1998)	8.9.2009		
CEN	EN ISO 13849-1:2008 Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design (ISO 13849-1:2006)	8.9.2009		31.12.2011
	EN ISO 13849-1:2008/AC:2009			

ESO ⁽¹⁾	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN ISO 13849-2:2008 Safety of machinery - Safety-related parts of control systems - Part 2: Validation (ISO 13849-2:2003)	8.9.2009		
CEN	EN ISO 13850:2008 Safety of machinery - Emergency stop - Principles for design (ISO 13850:2006)	8.9.2009		
CEN	EN ISO 13855:2010 Safety of machinery - Positioning of safeguards with respect to the approach speeds of parts of the human body (ISO 13855:2010)	20.10.2010	EN 999:1998+A1:2008 Note 2.1	Date expired (30.11.2010)
CEN	EN ISO 13857:2008 Safety of machinery - Safety distances to prevent hazard zones being reached by upper and lower limbs (ISO 13857:2008)	8.9.2009		
CEN	EN 13862:2001+A1:2009 Floor cutting-off machines - Safety	8.9.2009		
CEN	EN 13870:2005+A1:2010 Food processing machinery - Chop cutting machines - Safety and hygiene requirements	20.10.2010		
CEN	EN 13871:2005+A1:2010 Food processing machinery - Cubes cutting machinery - Safety and hygiene requirements	20.10.2010		
CEN	EN 13885:2005+A1:2010 Food processing machinery - Clipping machines - Safety and hygiene requirements	20.10.2010		
CEN	EN 13886:2005+A1:2010 Food processing machinery - Cooking kettles equipped with powered stirrer and/or mixer - Safety and hygiene requirements	26.5.2010		
CEN	EN 13889:2003+A1:2008 Forged steel shackles for general lifting purposes - Dee shackles and bow shackles - Grade 6 - Safety	8.9.2009		
CEN	EN 13898:2003+A1:2009 Machine tools - Safety - Sawing machines for cold metal	8.9.2009		
	EN 13898:2003+A1:2009/AC:2010			
CEN	EN 13951:2003+A1:2008 Liquid pumps - Safety requirements - Agrifoodstuffs equipment - Design rules to ensure hygiene in use	8.9.2009		
CEN	EN 13954:2005+A1:2010 Food processing machinery - Bread slicers - Safety and hygiene requirements	26.5.2010		

ESO (1)	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 13977:2011 Railway applications - Track - Safety requirements for portable machines and trolleys for construction and maintenance	This is the first publication		
CEN	EN 13985:2003+A1:2009 Machine tools - Safety - Guillotine shears	8.9.2009		
CEN	EN 14010:2003+A1:2009 Safety of machinery - Equipment for power driven parking of motor vehicles - Safety and EMC requirements for design, manufacturing, erection and commissioning stages	18.12.2009		
CEN	EN 14017:2005+A2:2009 Agricultural and forestry machinery - Solid fertilizer distributors - Safety	18.12.2009	EN 14017:2005+A1:2008 Note 2.1	Date expired (31.1.2010)
CEN	EN 14018:2005+A1:2009 Agricultural and forestry machinery - Seed drills - Safety	18.12.2009		
CEN	EN 14033-3:2009 Railway applications - Track - Railbound construction and maintenance machines - Part 3: General safety requirements	26.5.2010		
CEN	EN 14043:2005+A1:2009 High rise aerial appliances for fire service use - Turntable ladders with combined movements - Safety and performance requirements and test methods	8.9.2009		
CEN	EN 14044:2005+A1:2009 High rise aerial appliances for fire service use - Turntable ladders with sequential movements - Safety and performance requirements and test methods	8.9.2009		
CEN	EN 14070:2003+A1:2009 Safety of machine tools - Transfer and special-purpose machines	8.9.2009		
	EN 14070:2003+A1:2009/AC:2010			
CEN	EN ISO 14122-1:2001 Safety of machinery - Permanent means of access to machinery - Part 1: Choice of fixed means of access between two levels (ISO 14122-1:2001)	20.10.2010		
	EN ISO 14122-1:2001/A1:2010	20.10.2010	Note 3	Date expired (31.10.2010)
CEN	EN ISO 14122-2:2001 Safety of machinery - Permanent means of access to machinery - Part 2: Working platforms and walkways (ISO 14122-2:2001)	20.10.2010		
	EN ISO 14122-2:2001/A1:2010	20.10.2010	Note 3	Date expired (31.10.2010)

ESO ⁽¹⁾	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN ISO 14122-3:2001 Safety of machinery - Permanent means of access to machinery - Part 3: Stairs, stepladders and guard-rails (ISO 14122-3:2001)	20.10.2010		
	EN ISO 14122-3:2001/A1:2010	20.10.2010	Note 3	Date expired (31.10.2010)
CEN	EN ISO 14122-4:2004 Safety of machinery - Permanent means of access to machinery - Part 4: Fixed ladders (ISO 14122-4:2004)	8.4.2011		
	EN ISO 14122-4:2004/A1:2010	8.4.2011	Note 3	Date expired (20.7.2011)
CEN	EN ISO 14159:2008 Safety of machinery - Hygiene requirements for the design of machinery (ISO 14159:2002)	8.9.2009		
CEN	EN 14238:2004+A1:2009 Cranes - Manually controlled load manipulating devices	18.12.2009		
CEN	EN ISO 14314:2009 Reciprocal internal combustion engines - Recoil starting equipment - General safety requirements (ISO 14314:2004)	18.12.2009		
CEN	EN 14439:2006+A2:2009 Cranes - Safety - Tower cranes	8.9.2009		
CEN	EN 14462:2005+A1:2009 Surface treatment equipment - Noise test code for surface treatment equipment including its ancillary handling equipment - Accuracy grades 2 and 3	8.9.2009		
CEN	EN 14466:2005+A1:2008 Fire-fighting pumps - Portable pumps - Safety and performance requirements, tests	8.9.2009		
CEN	EN 14492-1:2006+A1:2009 Cranes - Power driven winches and hoists - Part 1: Power driven winches	18.12.2009		
	EN 14492-1:2006+A1:2009/AC:2010			
CEN	EN 14492-2:2006+A1:2009 Cranes - Power driven winches and hoists - Part 2: Power driven hoists	18.12.2009		
	EN 14492-2:2006+A1:2009/AC:2010			
CEN	EN 14502-2:2005+A1:2008 Cranes - Equipment for the lifting of persons - Part 2: Elevating control stations	8.9.2009		

ESO (1)	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 14655:2005+A1:2010 Food processing machinery - Baguette slicers - Safety and hygiene requirements	26.5.2010		
CEN	EN 14656:2006+A1:2010 Safety of machinery - Safety requirements for extrusion presses for steel and non-ferrous metals	20.10.2010		
CEN	EN 14658:2005+A1:2010 Continuous handling equipment and systems - General safety requirements for continuous handling equipment for opencast lignite mining	26.5.2010		
CEN	EN 14673:2006+A1:2010 Safety of machinery - Safety requirements for hydraulically powered open die hot forging presses for the forging of steel and non-ferrous metals	20.10.2010		
CEN	EN 14677:2008 Safety of machinery - Secondary steelmaking - Machinery and equipment for treatment of liquid steel	8.9.2009		
CEN	EN 14681:2006+A1:2010 Safety of machinery - Safety requirements for machinery and equipment for production of steel by electric arc furnaces	20.10.2010		
CEN	EN 14710-1:2005+A2:2008 Fire-fighting pumps - Fire-fighting centrifugal pumps without primer - Part 1: Classification, general and safety requirements	8.9.2009		
CEN	EN 14710-2:2005+A2:2008 Fire-fighting pumps - Fire-fighting centrifugal pumps without primer - Part 2: Verification of general and safety requirements	8.9.2009		
CEN	EN ISO 14738:2008 Safety of machinery - Anthropometric requirements for the design of workstations at machinery (ISO 14738:2002, including Cor 1:2003 and Cor 2:2005)	8.9.2009		
CEN	EN 14753:2007 Safety of machinery - Safety requirements for machinery and equipment for continuous casting of steel	8.9.2009		
CEN	EN 14861:2004+A1:2009 Forest machinery - Self propelled machinery - Safety requirements	18.12.2009		
CEN	EN 14886:2008 Plastics and rubber machines - Bandknife cutting machines for block foams - Safety requirements	8.9.2009		
CEN	EN 14910:2007+A1:2009 Garden equipment - Walk-behind combustion engine powered trimmers - Safety	8.9.2009		
CEN	EN 14930:2007+A1:2009 Agricultural and forestry machinery and gardening equipment - Pedestrian controlled and hand-held machines - Determination of accessibility of hot surfaces	8.9.2009		

ESO ⁽¹⁾	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 14957:2006+A1:2010 Food processing machinery - Dishwashing machines with conveyor - Safety and hygiene requirements	26.5.2010		
CEN	EN 14958:2006+A1:2009 Food processing machinery - Machinery for grinding and processing flour and semolina - Safety and hygiene requirements	8.9.2009		
CEN	EN 14973:2006+A1:2008 Conveyor belts for use in underground installations - Electrical and flammability safety requirements	8.9.2009		
CEN	EN ISO 14982:2009 Agricultural and forestry machinery - Electromagnetic compatibility - Test methods and acceptance criteria (ISO 14982:1998)	8.9.2009		
CEN	EN 15000:2008 Safety of industrial trucks - Self propelled variable reach trucks - Specification, performance and test requirements for longitudinal load moment indicators and longitudinal load moment limiters	8.9.2009		
CEN	EN 15011:2011 Cranes - Bridge and gantry cranes	This is the first publication		
CEN	EN 15027:2007+A1:2009 Transportable wall saw and wire saw equipment for job site - Safety	8.9.2009		
CEN	EN 15056:2006+A1:2009 Cranes - Requirements for container handling spreaders	8.9.2009		
CEN	EN 15059:2009 Snow grooming equipment - Safety requirements	8.9.2009		
CEN	EN 15061:2007+A1:2008 Safety of machinery - Safety requirements for strip processing line machinery and equipment	8.9.2009		
CEN	EN 15067:2007 Plastics and rubber machines - Film converting machines for bags and sacks - Safety requirements	8.9.2009		
CEN	EN 15093:2008 Safety of Machinery - Safety requirements for hot flat rolling mills	8.9.2009		
CEN	EN 15094:2008 Safety of Machinery - Safety requirements for cold flat rolling mills	8.9.2009		
CEN	EN 15095:2007+A1:2008 Power-operated mobile racking and shelving, carousels and storage lifts - Safety requirements	8.9.2009		
CEN	EN 15162:2008 Machines and plants for mining and tooling of natural stone - Safety requirements for gang saws	8.9.2009		

ESO (1)	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 15163:2008 Machines and installations for the exploitation and processing of natural stone - Safety - Requirements for diamond wire saws	8.9.2009		
CEN	EN 15164:2008 Machines and plants for mining and tooling of natural stone - Safety - Requirements for chain- and belt-slotting machines	8.9.2009		
CEN	EN 15166:2008 Food processing machinery - Automatic back splitting machines of butchery carcasses - Safety and hygiene requirements	8.9.2009		
CEN	EN 15268:2008 Petrol filling stations - Safety requirements for the construction of submersible pump assemblies	8.9.2009		
CEN	EN 15503:2009 Garden equipment - Garden blowers, vacuums and blower/vacuums - Safety	26.5.2010		
CEN	EN ISO 15536-1:2008 Ergonomics - Computer manikins and body templates - Part 1: General requirements (ISO 15536-1:2005)	8.9.2009		
CEN	EN 15695-1:2009 Agricultural tractors and self-propelled sprayers - Protection of the operator (driver) against hazardous substances - Part 1: Cab classification, requirements and test procedures	26.5.2010		
CEN	EN 15695-2:2009 Agricultural tractors and self-propelled sprayers - Protection of the operator (driver) against hazardous substances - Part 2: Filters, requirements and test procedures	26.5.2010		
CEN	EN ISO 15744:2008 Hand-held non-electric power tools - Noise measurement code - Engineering method (grade 2) (ISO 15744:2002)	8.9.2009		
CEN	EN 15746-2:2010 Railway applications - Track - Road-rail machines and associated equipment - Part 2: General safety requirements	20.10.2010		
CEN	EN 15774:2010 Food processing machinery - Machines for processing fresh and filled pasta (tagliatelle, cannelloni, ravioli, tortellini, orecchiette and gnocchi) - Safety and hygiene requirements	8.4.2011		
CEN	EN 15811:2009 Agricultural machinery - Guards for moving parts of power transmission - Guard opening with tool (ISO/TS 28923:2007 modified)	18.12.2009		
	EN 15811:2009/AC:2010			
CEN	EN ISO 19432:2008 Building construction machinery and equipment - Portable, hand-held, internal combustion engine driven cut-off machines - Safety requirements and testing (ISO 19432:2006)	8.9.2009		

ESO ⁽¹⁾	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN ISO 20361:2009 Liquid pumps and pump units - Noise test code - Grades 2 and 3 of accuracy (ISO 20361:2007)	8.9.2009		
	EN ISO 20361:2009/AC:2010			
CEN	EN ISO 20643:2008 Mechanical vibration - Hand-held and hand-guided machinery - Principles for evaluation of vibration emission (ISO 20643:2005)	8.9.2009		
CEN	EN ISO 22867:2008 Forestry machinery - Vibration test code for portable hand-held machines with internal combustion engine - Vibration at the handles (ISO 22867:2004, including Cor 1:2006)	8.9.2009		
CEN	EN ISO 22868:2011 Forestry and garden machinery - Noise test code for portable hand-held machines with internal combustion engine - Engineering method (Grade 2 accuracy) (ISO 22868:2011)	This is the first publication	EN ISO 22868:2008 Note 2.1	30.9.2011
CEN	EN ISO 23125:2010 Machine tools - Safety - Turning machines (ISO 23125:2010)	20.10.2010		
CEN	EN ISO 28139:2009 Agricultural and forestry machinery - Knapsack combustion-engine-driven mistblowers - Safety requirements (ISO 28139:2009)	18.12.2009		
CEN	EN ISO 28927-1:2009 Hand-held portable power tools - Test methods for evaluation of vibration emission - Part 1: Angle and vertical grinders (ISO 28927-1:2009)	26.5.2010		
CEN	EN ISO 28927-2:2009 Hand-held portable power tools - Test methods for evaluation of vibration emission - Part 2: Wrenches, nutrunners and screwdrivers (ISO 28927-2:2009)	26.5.2010		
CEN	EN ISO 28927-3:2009 Hand-held portable power tools - Test methods for evaluation of vibration emission - Part 3: Polishers and rotary, orbital and random orbital sanders (ISO 28927-3:2009)	26.5.2010		
CEN	EN ISO 28927-4:2010 Hand-held portable power tools - Test methods for evaluation of vibration emission - Part 4: Straight grinders (ISO 28927-4:2010)	8.4.2011		
CEN	EN ISO 28927-5:2009 Hand-held portable power tools - Test methods for evaluation of vibration emission - Part 5: Drills and impact drills (ISO 28927-5:2009)	26.5.2010		
CEN	EN ISO 28927-6:2009 Hand-held portable power tools - Test methods for evaluation of vibration emission - Part 6: Rammers (ISO 28927-6:2009)	26.5.2010		

ESO (1)	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN ISO 28927-7:2009 Hand-held portable power tools - Test methods for evaluation of vibration emission - Part 7: Nibblers and shears (ISO 28927-7:2009)	26.5.2010		
CEN	EN ISO 28927-8:2009 Hand-held portable power tools - Test methods for evaluation of vibration emission - Part 8: Saws, polishing and filing machines with reciprocating action and saws with oscillating or rotating action (ISO 28927-8:2009)	26.5.2010		
CEN	EN ISO 28927-9:2009 Hand-held portable power tools - Test methods for evaluation of vibration emission - Part 9: Scaling hammers and needle scalers (ISO 28927-9:2009)	26.5.2010		
CEN	EN ISO 28927-11:2011 Hand-held portable power tools - Test methods for evaluation of vibration emission - Part 11: Stone hammers (ISO 28927-11:2011)	This is the first publication		
CEN	EN 30326-1:1994 Mechanical vibration - Laboratory method for evaluating vehicle seat vibration - Part 1: Basic requirements (ISO 10326-1:1992)	8.9.2009		
	EN 30326-1:1994/A1:2007	8.9.2009	Note 3	Date expired (28.12.2009)
Cenelec	EN 50223:2010 Stationary electrostatic application equipment for ignitable flock material - Safety requirements	20.10.2010		
Cenelec	EN 50348:2010 Stationary electrostatic application equipment for non-ignitable liquid coating material - Safety requirements	26.5.2010		
	EN 50348:2010/AC:2010			
Cenelec	EN 60204-1:2006 Safety of machinery - Electrical equipment of machines Part 1: General requirements IEC 60204-1:2005 (Modified)	26.5.2010		
	EN 60204-1:2006/A1:2009 IEC 60204-1:2005/A1:2008	26.5.2010	Note 3	1.2.2012
	EN 60204-1:2006/AC:2010			
Cenelec	EN 60204-11:2000 Safety of machinery - Electrical equipment of machines Part 11: Requirements for HV equipment for voltages above 1 000 V a.c. or 1 500 V d.c. and not exceeding 36 kV IEC 60204-11:2000	26.5.2010		
	EN 60204-11:2000/AC:2010			

ESO (1)	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
Cenelec	EN 60204-32:2008 Safety of machinery - Electrical equipment of machines Part 32: Requirements for hoisting machines IEC 60204-32:2008	18.12.2009		
Cenelec	EN 60335-1:2002 Household and similar electrical appliances - Safety Part 1: General requirements IEC 60335-1:2001 (Modified)	20.10.2010		
	EN 60335-1:2002/A11:2004	20.10.2010	Note 3	
	EN 60335-1:2002/A1:2004 IEC 60335-1:2001/A1:2004	20.10.2010	Note 3	
	EN 60335-1:2002/A12:2006	20.10.2010	Note 3	
	EN 60335-1:2002/A13:2008	20.10.2010	Note 3	
	EN 60335-1:2002/A14:2010	20.10.2010	Note 3	
	EN 60335-1:2002/AC:2009			
	EN 60335-1:2002/AC:2010			
Cenelec	EN 60335-2-67:2009 Household and similar electrical appliances - Safety Part 2-67: Particular requirements for floor treatment and floor cleaning machines for commercial use IEC 60335-2-67:2002 (Modified) + A1:2005 (Modified)	18.12.2009		
Cenelec	EN 60335-2-68:2009 Household and similar electrical appliances - Safety Part 2-68: Particular requirements for spray extraction machines for commercial use IEC 60335-2-68:2002 (Modified) + A1:2005 (Modified) + A2:2007 (Modified)	18.12.2009		
Cenelec	EN 60335-2-69:2009 Household and similar electrical appliances - Safety Part 2-69: Particular requirements for wet and dry vacuum cleaners, including power brush, for commercial use IEC 60335-2-69:2002 (Modified) + A1:2004 (Modified) + A2:2007 (Modified)	18.12.2009		
Cenelec	EN 60335-2-72:2009 Household and similar electrical appliances - Safety Part 2-72: Particular requirements for automatic machines for floor treatment for commercial use IEC 60335-2-72:2002 (Modified) + A1:2005 (Modified)	18.12.2009		
Cenelec	EN 60335-2-77:2010 Safety of household and similar appliances Part 2-77: Particular requirements for pedestrian-controlled walk-behind electrically powered lawn mowers IEC 60335-2-77:2002 (Modified)	8.4.2011		

ESO (*)	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
Cenelec	EN 60335-2-79:2009 Household and similar electrical appliances - Safety Part 2-79: Particular requirements for high pressure cleaners and steam cleaners IEC 60335-2-79:2002 (Modified) + A1:2004 (Modified) + A2:2007 (Modified)	18.12.2009		
Cenelec	EN 60745-1:2009 Hand-held motor-operated electric tools - Safety Part 1: General requirements IEC 60745-1:2006 (Modified)	18.12.2009		
	EN 60745-1:2009/A11:2010	8.4.2011	Note 3	1.10.2013
	EN 60745-1:2009/AC:2009			
Cenelec	EN 60745-2-1:2010 Hand-held motor-operated electric tools - Safety Part 2-1: Particular requirements for drills and impact drills IEC 60745-2-1:2003 (Modified) + A1:2008	20.10.2010		
Cenelec	EN 60745-2-2:2010 Hand-held motor-operated electric tools - Safety Part 2-2: Particular requirements for screwdrivers and impact wrenches IEC 60745-2-2:2003 (Modified) + A1:2008	20.10.2010		
Cenelec	EN 60745-2-4:2009 Hand-held motor-operated electric tools - Safety Part 2-4: Particular requirements for sanders and polishers other than disk type IEC 60745-2-4:2002 (Modified) + A1:2008 (Modified)	26.5.2010		
Cenelec	EN 60745-2-5:2010 Hand-held motor-operated electric tools - Safety Part 2-5: Particular requirements for circular saws IEC 60745-2-5:2010 (Modified)	8.4.2011		
Cenelec	EN 60745-2-6:2010 Hand-held motor-operated electric tools - Safety Part 2-6: Particular requirements for hammers IEC 60745-2-6:2003 (Modified) + A1:2006 + A2:2008	20.10.2010		
Cenelec	EN 60745-2-8:2009 Hand-held motor-operated electric tools - Safety Part 2-8: Particular requirements for shears and nibblers IEC 60745-2-8:2003 (Modified) + A1:2008	18.12.2009		
Cenelec	EN 60745-2-9:2009 Hand-held motor-operated electric tools - Safety Part 2-9: Particular requirements for tappers IEC 60745-2-9:2003 (Modified) + A1:2008	18.12.2009		
Cenelec	EN 60745-2-11:2010 Hand-held motor-operated electric tools - Safety Part 2-11: Particular requirements for reciprocating saws (jig and sabre saws) IEC 60745-2-11:2003 (Modified) + A1:2008	20.10.2010		

ESO (1)	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
Cenelec	EN 60745-2-12:2009 Hand-held motor-operated electric tools - Safety Part 2-12: Particular requirements for concrete vibrators IEC 60745-2-12:2003 (Modified) + A1:2008	18.12.2009		
Cenelec	EN 60745-2-13:2009 Hand-held motor-operated electric tools - Safety Part 2-13: Particular requirements for chain saws IEC 60745-2-13:2006 (Modified)	18.12.2009		
	EN 60745-2-13:2009/A1:2010 IEC 60745-2-13:2006/A1:2009	This is the first publication	Note 3	1.12.2013
Cenelec	EN 60745-2-14:2009 Hand-held motor-operated electric tools - Safety Part 2-14: Particular requirements for planers IEC 60745-2-14:2003 (Modified) + A1:2006 (Modified)	18.12.2009		
	EN 60745-2-14:2009/A2:2010 IEC 60745-2-14:2003/A2:2010	8.4.2011	Note 3	1.6.2013
Cenelec	EN 60745-2-15:2009 Hand-held motor-operated electric tools - Safety Part 2-15: Particular requirements for hedge trimmers IEC 60745-2-15:2006 (Modified)	18.12.2009		
Cenelec	EN 60745-2-16:2010 Hand-held motor-operated electric tools - Safety Part 2-16: Particular requirements for tackers IEC 60745-2-16:2008 (Modified)	8.4.2011		
Cenelec	EN 60745-2-17:2010 Hand-held motor-operated electric tools - Safety Part 2-17: Particular requirements for routers and trimmers IEC 60745-2-17:2010 (Modified)	8.4.2011		
Cenelec	EN 60745-2-18:2009 Hand-held motor-operated electric tools - Safety Part 2-18: Particular requirements for strapping tools IEC 60745-2-18:2003 (Modified) + A1:2008	18.12.2009		
Cenelec	EN 60745-2-19:2009 Hand-held motor-operated electric tools - Safety Part 2-19: Particular requirements for jointers IEC 60745-2-19:2005 (Modified)	18.12.2009		
	EN 60745-2-19:2009/A1:2010 IEC 60745-2-19:2005/A1:2010	8.4.2011	Note 3	1.6.2013
Cenelec	EN 60745-2-20:2009 Hand-held motor-operated electric tools - Safety Part 2-20: Particular requirements for band saws IEC 60745-2-20:2003 (Modified) + A1:2008	18.12.2009		

ESO (*)	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
Cenelec	EN 60745-2-21:2009 Hand-held motor-operated electric tools - Safety Part 2-21: Particular requirements for drain cleaners IEC 60745-2-21:2002 (Modified)	18.12.2009		
	EN 60745-2-21:2009/A1:2010 IEC 60745-2-21:2002/A1:2008	This is the first publication	Note 3	1.12.2013
Cenelec	EN 61029-1:2009 Safety of transportable motor-operated electric tools Part 1: General requirements IEC 61029-1:1990 (Modified)	18.12.2009		
	EN 61029-1:2009/A11:2010	8.4.2011	Note 3	1.11.2013
	EN 61029-1:2009/AC:2009			
Cenelec	EN 61029-2-1:2010 Safety of transportable motor-operated electric tools Part 2-1: Particular requirements for circular saw benches IEC 61029-2-1:1993 (Modified) + A1:1999 + A2:2001	20.10.2010		
Cenelec	EN 61029-2-6:2010 Safety of transportable motor-operated electric tools Part 2-6: Particular requirements for diamond drills with water supply IEC 61029-2-6:1993 (Modified)	20.10.2010		
Cenelec	EN 61029-2-8:2010 Safety of transportable motor-operated electric tools Part 2-8: Particular requirements for single spindle vertical moulders IEC 61029-2-8:1995 (Modified) + A1:1999 + A2:2001	20.10.2010		
Cenelec	EN 61029-2-9:2009 Safety of transportable motor-operated electric tools Part 2-9: Particular requirements for mitre saws IEC 61029-2-9:1995 (Modified)	18.12.2009		
Cenelec	EN 61029-2-10:2010 Safety of transportable motor-operated electric tools Part 2-10: Particular requirements for cutting-off grinders IEC 61029-2-10:1998 (Modified)	20.10.2010		
Cenelec	EN 61029-2-11:2009 Safety of transportable motor-operated electric tools Part 2-11: Particular requirements for combined mitre and bench saws IEC 61029-2-11:2001 (Modified)	18.12.2009		
Cenelec	EN 61310-1:2008 Safety of machinery - Indication, marking and actuation Part 1: Requirements for visual, acoustic and tactile signals IEC 61310-1:2007	18.12.2009		
Cenelec	EN 61310-2:2008 Safety of machinery - Indication, marking and actuation Part 2: Requirements for marking IEC 61310-2:2007	18.12.2009		

ESO ⁽¹⁾	Reference and title of the harmonised standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
Cenelec	EN 61310-3:2008 Safety of machinery - Indication, marking and actuation Part 3: Requirements for the location and operation of actuators IEC 61310-3:2007	18.12.2009		
Cenelec	EN 61496-1:2004 Safety of machinery - Electro-sensitive protective equipment Part 1: General requirements and tests IEC 61496-1:2004 (Modified)	26.5.2010		
	EN 61496-1:2004/A1:2008 IEC 61496-1:2004/A1:2007	26.5.2010	Note 3	Date expired (1.6.2011)
	EN 61496-1:2004/AC:2010			
Cenelec	EN 61800-5-2:2007 Adjustable speed electrical power drive systems Part 5-2: Safety requirements - Functional IEC 61800-5-2:2007	18.12.2009		
Cenelec	EN 62061:2005 Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems IEC 62061:2005	26.5.2010		
	EN 62061:2005/AC:2010			

⁽¹⁾ ESO: European Standards Organisation:

- CEN: Avenue Marnix 17, 1000 Bruxelles/Brussel, BELGIQUE/BELGIË, Tel. +32 25500811; fax +32 25500819 (<http://www.cen.eu>)
- Cenelec: Avenue Marnix 17, 1000 Bruxelles/Brussel, BELGIQUE/BELGIË, Tel. +32 25196871; fax +32 25196919 (<http://www.cenelec.eu>)
- ETSI: 650 route des Lucioles, 06921 Sophia Antipolis, FRANCE, Tel. +33 492944200; 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 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 ⁽¹⁾ amended by the Directive 98/48/EC ⁽²⁾.
- 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

⁽¹⁾ OJ L 204, 21.7.1998, p. 37.

⁽²⁾ OJ L 217, 5.8.1998, p. 18.