

Commission communication in the framework of the implementation of Directive 94/9/EC of the European Parliament and of the Council on the approximation of the laws of the Member States concerning equipment and protective systems intended for use in potentially explosive atmospheres

(Text with EEA relevance)

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

(2011/C 168/02)

| ESO ⁽¹⁾ | Reference and title of the harmonised standard (and reference document) | First publication OJ | Reference of superseded standard | Date of cessation of presumption of conformity of superseded standard Note 1 |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 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 | This is the first publication | EN 1010-1:2004 Note 2.1 | The date of this publication |
| 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 | 4.2.2011 | EN 1010-2:2006 Note 2.1 | Date expired (28.2.2011) |
| CEN | EN 1127-1:2007 Explosive atmospheres — Explosion prevention and protection — Part 1: Basic concepts and methodology | 11.4.2008 | EN 1127-1:1997 Note 2.1 | Date expired (28.12.2009) |
| CEN | EN 1127-2:2002+A1:2008 Explosive atmospheres — Explosion prevention and protection — Part 2: Basic concepts and methodology for mining | 20.8.2008 | EN 1127-2:2002 Note 2.1 | Date expired (28.12.2009) |
| CEN | EN 1710:2005+A1:2008 Equipment and components intended for use in potentially explosive atmospheres in underground mines | 20.8.2008 | EN 1710:2005 Note 2.1 | Date expired (28.12.2009) |
| | 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 | 16.4.2010 | EN 1755:2000 Note 2.1 | Date expired (16.4.2010) |
| CEN | EN 1834-1:2000 Reciprocating internal combustion engines — Safety requirements for design and construction of engines for use in potentially explosive atmospheres — Part 1: Group II engines for use in flammable gas and vapour atmospheres | 21.7.2001 | | |
| CEN | EN 1834-2:2000 Reciprocating internal combustion engines — Safety requirements for design and construction of engines for use in potentially explosive atmospheres — Part 2: Group I engines for use in underground workings susceptible to firedamp and/or combustible dust | 21.7.2001 | | |

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| CEN | EN 1834-3:2000 Reciprocating internal combustion engines — Safety requirements for design and construction of engines for use in potentially explosive atmospheres — Part 3: Group II engines for use in flammable dust atmos- pheres | 21.7.2001 | | |
| CEN | EN 1839:2003 Determination of explosion limits of gases and vapours | 12.8.2004 | | |
| CEN | EN 12581:2005+A1:2010 Coating plants — Machinery for dip coating and electrodeposition of organic liquid coating material — Safety requirements | 17.9.2010 | EN 12581:2005 Note 2.1 | Date expired (31.12.2010) |
| CEN | EN 12621:2006+A1:2010 Machinery for the supply and circulation of coating materials under pressure — Safety requirements | 17.9.2010 | EN 12621:2006 Note 2.1 | Date expired (31.12.2010) |
| CEN | EN 12757-1:2005+A1:2010 Mixing machinery for coating materials — Safety requirements — Part 1: Mixing machinery for use in vehicle refinishing | 17.9.2010 | EN 12757-1:2005 Note 2.1 | Date expired (31.12.2010) |
| CEN | EN 13012:2001 Petrol filling stations — Construction and performance of automatic nozzles for use on fuel dispensers | 22.1.2002 | | |
| CEN | EN 13160-1:2003 Leak detection systems — Part 1: General principles | 14.8.2003 | | |
| CEN | EN 13237:2003 Potentially explosive atmospheres — Terms and definitions for equipment and protective systems intended for use in potentially explosive atmospheres | 14.8.2003 | | |
| CEN | EN 13463-1:2009 Non-electrical equipment for use in potentially explosive atmospheres — Part 1: Basic method and requirements | 16.4.2010 | EN 13463-1:2001 Note 2.1 | Date expired (31.12.2010) |
| CEN | EN 13463-2:2004 Non-electrical equipment for use in potentially explosive atmospheres — Part 2: Protection by flow restricting enclosure 'fr' | 30.11.2005 | | |
| CEN | EN 13463-3:2005 Non-electrical equipment for use in potentially explosive atmospheres — Part 3: Protection by flameproof enclosure 'd' | 30.11.2005 | | |
| CEN | EN 13463-5:2003 Non-electrical equipment intended for use in potentially explosive atmospheres — Part 5: Protection by constructional safety 'c' | 12.8.2004 | | |

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| CEN | EN 13463-6:2005 Non-electrical equipment for use in potentially explosive atmospheres — Part 6: Protection by control of ignition source 'b' | 30.11.2005 | | |
| CEN | EN 13463-8:2003 Non-electrical equipment for potentially explosive atmospheres — Part 8: Protection by liquid immersion 'k' | 12.8.2004 | | |
| CEN | EN 13616:2004 Overfill prevention devices for static tanks for liquid petroleum fuels | 9.3.2006 | | |
| | EN 13616:2004/AC:2006 | | | |
| 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 | 7.7.2010 | EN 13617-1:2004 Note 2.1 | Date expired (31.12.2010) |
| CEN | EN 13617-2:2004 Petrol filling stations — Part 2: Safety requirements for construction and performance of safe breaks for use on metering pumps and dispensers | 30.11.2005 | | |
| CEN | EN 13617-3:2004 Petrol filling stations — Part 3: Safety requirements for construction and performance of shear valves | 30.11.2005 | | |
| CEN | EN 13673-1:2003 Determination of the maximum explosion pressure and the maximum rate of pressure rise of gases and vapours — Part 1: Deter- mination of the maximum explosion pressure | 14.8.2003 | | |
| CEN | EN 13673-2:2005 Determination of maximum explosion pressure and the maximum rate of pressure rise of gases and vapours — Part 2: Deter- mination of the maximum rate of explosion pressure rise | 30.11.2005 | | |
| CEN | EN 13760:2003 Automotive LPG filling system for light and heavy duty vehicles — Nozzle, test requirements and dimensions | 24.1.2004 | | |
| CEN | EN 13821:2002 Potentially explosive atmospheres — Explosion prevention and protection — Deter- mination of minimum ignition energy of dust/air mixtures | 20.5.2003 | | |

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| CEN | EN 13980:2002 Potentially explosive atmospheres — Application of quality systems | 20.5.2003 | | |
| CEN | EN 14034-1:2004+A1:2011 Determination of explosion characteristics of dust clouds — Part 1: Determination of the maximum explosion pressure p_{max} of dust clouds | This is the first publication | EN 14034-1:2004 Note 2.1 | 31.7.2011 |
| CEN | EN 14034-2:2006+A1:2011 Determination of explosion characteristics of dust clouds — Part 2: Determination of the maximum rate of explosion pressure rise $(dp/dt)_{max}$ of dust clouds | This is the first publication | EN 14034-2:2006 Note 2.1 | 31.7.2011 |
| CEN | EN 14034-3:2006+A1:2011 Determination of explosion characteristics of dust clouds — Part 3: Determination of the lower explosion limit LEL of dust clouds | This is the first publication | EN 14034-3:2006 Note 2.1 | 31.7.2011 |
| CEN | EN 14034-4:2004+A1:2011 Determination of explosion characteristics of dust clouds — Part 4: Determination of the limiting oxygen concentration LOC of dust clouds | This is the first publication | EN 14034-4:2004 Note 2.1 | 31.7.2011 |
| CEN | EN 14373:2005 Explosion suppression systems | 9.3.2006 | | |
| CEN | EN 14460:2006 Explosion resistant equipment | 15.12.2006 | | |
| CEN | EN 14491:2006 Dust explosion venting protective systems | 20.7.2006 | | |
| | EN 14491:2006/AC:2008 | | | |
| CEN | EN 14492-1:2006+A1:2009 Cranes — Power-driven winches and hoists — Part 1: Power-driven winches | 16.4.2010 | EN 14492-1:2006 Note 2.1 | Date expired (30.4.2010) |
| | 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 | 16.4.2010 | EN 14492-2:2006 Note 2.1 | Date expired (16.4.2010) |
| | EN 14492-2:2006+A1:2009/AC:2010 | | | |
| CEN | EN 14522:2005 Determination of the auto ignition temperature of gases and vapours | 30.11.2005 | | |

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|---------|--|-------------------------------|-------------------------------------|---|
| CEN | EN 14591-1:2004 Explosion prevention and protection in under- ground mines — Protective systems — Part 1: 2-bar explosion proof ventilation structure | 9.3.2006 | | |
| | EN 14591-1:2004/AC:2006 | | | |
| CEN | EN 14591-2:2007 Explosion prevention and protection in under- ground mines — Protective systems — Part 2: Passive water trough barriers | 12.12.2007 | | |
| | EN 14591-2:2007/AC:2008 | | | |
| CEN | EN 14591-4:2007 Explosion prevention and protection in under- ground mines — Protective systems — Part 4: Automatic extinguishing systems for road headers | 12.12.2007 | | |
| | EN 14591-4:2007/AC:2008 | | | |
| CEN | EN 14677:2008 Safety of machinery — Secondary steelmaking — Machinery and equipment for treatment of liquid steel | 20.8.2008 | | |
| CEN | EN 14678-1:2006+A1:2009 LPG equipment and accessories — Construction and performance of LPG equipment for automotive filling stations — Part 1: Dispensers | 16.4.2010 | EN 14678-1:2006 Note 2.1 | Date expired (16.4.2010) |
| CEN | EN 14681:2006+A1:2010 Safety of machinery — Safety requirements for machinery and equipment for production of steel by electric arc furnaces | This is the first publication | EN 14681:2006 Note 2.1 | The date of this publication |
| CEN | EN 14756:2006 Determination of the limiting oxygen concen- tration (LOC) for flammable gases and vapours | 12.12.2007 | | |
| CEN | EN 14797:2006 Explosion venting devices | 12.12.2007 | | |
| CEN | EN 14973:2006+A1:2008 Conveyor belts for use in underground instal- lations — Electrical and flammability safety requirements | 7.7.2010 | EN 14973:2006 Note 2.1 | Date expired (31.12.2010) |
| CEN | EN 14983:2007 Explosion prevention and protection in underground mines — Equipment and protective systems for firedamp drainage | 12.12.2007 | | |
| CEN | EN 14986:2007 Design of fans working in potentially explosive atmospheres | 12.12.2007 | | |

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| CEN | EN 14994:2007 Gas explosion venting protective systems | 12.12.2007 | | |
| CEN | EN 15089:2009 Explosion isolation systems | 16.4.2010 | | |
| CEN | EN 15188:2007 Determination of the spontaneous ignition behaviour of dust accumulations | 12.12.2007 | | |
| CEN | EN 15198:2007 Methodology for the risk assessment of non- electrical equipment and components for intended use in potentially explosive atmos- pheres | 12.12.2007 | | |
| CEN | EN 15233:2007 Methodology for functional safety assessment of protective systems for potentially explosive atmospheres | 12.12.2007 | | |
| CEN | EN 15268:2008 Petrol filling stations — Safety requirements for the construction of submersible pump assemblies | 27.1.2009 | | |
| CEN | EN 15794:2009 Determination of explosion points of flammable liquids | 16.4.2010 | | |
| CEN | EN ISO 16852:2010 Flame arresters — Performance requirements, test methods and limits for use (ISO 16852:2008, including Cor 1:2008 and Cor 2:2009) | 17.9.2010 | EN 12874:2001 Note 2.1 | Date expired (31.12.2010) |
| Cenelec | EN 50050:2006 Electrical apparatus for potentially explosive atmospheres — Electrostatic hand-held spraying equipment | 20.8.2008 | | |
| Cenelec | EN 50104:2010 Electrical apparatus for the detection and measurement of oxygen — Performance requirements and test methods | 4.2.2011 | EN 50104:2002 and its amendment Note 2.1 | 1.6.2013 |
| Cenelec | EN 50176:2009 Stationary electrostatic application equipment for ignitable liquid coating material — Safety requirements | 16.4.2010 | | |
| Cenelec | EN 50177:2009 Stationary electrostatic application equipment for ignitable coating powders — Safety requirements | 16.4.2010 | | |
| Cenelec | EN 50223:2010 Stationary electrostatic application equipment for ignitable flock material — Safety requirements | 17.9.2010 | | |

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| Cenelec | EN 50241-1:1999 Specification for open path apparatus for the detection of combustible or toxic gases and vapours — Part 1: General requirements and test methods | 6.11.1999 | | |
| | EN 50241-1:1999/A1:2004 | 12.8.2004 | Note 3 | Date expired (12.8.2004) |
| Cenelec | EN 50241-2:1999 Specification for open path apparatus for the detection of combustible or toxic gases and vapours — Part 2: Performance requirements for apparatus for the detection of combustible gases | 6.11.1999 | | |
| Cenelec | EN 50271:2010 Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen — Requirements and tests for apparatus using software and/or digital technologies | 4.2.2011 | | |
| Cenelec | EN 50281-2-1:1998 Electrical apparatus for use in the presence of combustible dust — Part 2-1: Test methods — Methods for determining the minimum ignition temperatures of dust | 6.11.1999 | | |
| | EN 50281-2-1:1998/AC:1999 | | | |
| Cenelec | EN 50303:2000 Group I, Category M1 equipment intended to remain functional in atmospheres endangered by firedamp and/or coal dust | 16.2.2001 | | |
| Cenelec | EN 50381:2004 Transportable ventilated rooms with or without an internal source of release | 9.3.2006 | | |
| | EN 50381:2004/AC:2005 | | | |
| Cenelec | EN 50495:2010 Safety devices required for the safe functioning of equipment with respect to explosion risks | 17.9.2010 | | |
| Cenelec | EN 60079-0:2009 Explosive atmospheres — Part 0: Equipment — General requirements IEC 60079-0:2007 | 16.4.2010 | EN 60079-0:2006 + EN 61241-0:2006 Note 2.1 | 1.6.2012 |
| Cenelec | EN 60079-1:2007 Explosive atmospheres — Part 1: Equipment protection by flameproof enclosures 'd' IEC 60079-1:2007 | 20.8.2008 | EN 60079-1:2004 Note 2.1 | Date expired (1.7.2010) |
| Cenelec | EN 60079-2:2007 Explosive atmospheres — Part 2: Equipment protection by pressurised enclosure 'p' IEC 60079-2:2007 | 20.8.2008 | EN 60079-2:2004 Note 2.1 | Date expired (1.11.2010) |

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| Cenelec | EN 60079-5:2007 Explosive atmospheres — Part 5: Equipment protection by powder filling 'q' IEC 60079-5:2007 | 20.8.2008 | EN 50017:1998 Note 2.1 | Date expired (1.11.2010) |
| Cenelec | EN 60079-6:2007 Explosive atmospheres — Part 6: Equipment protection by oil immersion 'o' IEC 60079-6:2007 | 20.8.2008 | EN 50015:1998 Note 2.1 | Date expired (1.5.2010) |
| Cenelec | EN 60079-7:2007 Explosive atmospheres — Part 7: Equipment protection by increased safety 'e' IEC 60079-7:2006 | 11.4.2008 | EN 60079-7:2003 Note 2.1 | Date expired (1.10.2009) |
| Cenelec | EN 60079-11:2007 Explosive atmospheres — Part 11: Equipment protection by intrinsic safety 'i' IEC 60079-11:2006 | 11.4.2008 | EN 50020:2002 Note 2.1 | Date expired (1.10.2009) |
| Cenelec | EN 60079-15:2010 Explosive atmospheres — Part 15: Equipment protection by type of protection 'n' IEC 60079-15:2010 | This is the first publication | EN 60079-15:2005 Note 2.1 | 1.5.2013 |
| Cenelec | EN 60079-18:2009 Explosive atmospheres — Part 18: Equipment protection by encapsulation 'm' IEC 60079-18:2009 | 7.7.2010 | EN 60079-18:2004 + EN 61241-18:2004 Note 2.1 | 1.10.2012 |
| Cenelec | EN 60079-20-1:2010 Explosive atmospheres — Part 20-1: Material characteristics for gas and vapour classification — Test methods and data IEC 60079-20-1:2010 | 17.9.2010 | | |
| Cenelec | EN 60079-25:2010 Explosive atmospheres — Part 25: Intrinsically safe electrical systems IEC 60079-25:2010 | This is the first publication | EN 60079-25:2004 Note 2.1 | 1.10.2013 |
| Cenelec | EN 60079-26:2007 Explosive atmospheres — Part 26: Equipment with equipment protection level (EPL) Ga IEC 60079-26:2006 | 20.8.2008 | | |
| Cenelec | EN 60079-27:2008 Explosive atmospheres — Part 27: Fieldbus intrinsically safe concept (FISCO) IEC 60079-27:2008 | 16.4.2010 | EN 60079-27:2006 Note 2.1 | Date expired (1.4.2011) |
| Cenelec | EN 60079-28:2007 Explosive atmospheres — Part 28: Protection of equipment and transmission systems using optical radiation IEC 60079-28:2006 | 11.4.2008 | | |

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| Cenelec | EN 60079-29-1:2007 Explosive atmospheres — Part 29-1: Gas detectors — Performance requirements of detectors for flammable gases IEC 60079-29-1:2007 (Modified) | 20.8.2008 | EN 61779-1:2000 + A11:2004 + EN 61779-2:2000 + EN 61779-3:2000 + EN 61779-4:2000 + EN 61779-5:2000 Note 2.1 | Date expired (1.11.2010) |
| Cenelec | EN 60079-29-4:2010 Explosive atmospheres — Part 29-4: Gas detectors — Performance requirements of open path detectors for flammable gases IEC 60079-29-4:2009 (Modified) | This is the first publication | EN 50241-1:1999 and its amendment + EN 50241-2:1999 Note 2.1 | 1.4.2013 |
| Cenelec | EN 60079-30-1:2007 Explosive atmospheres — Part 30-1: Electrical resistance trace heating — General and testing requirements IEC 60079-30-1:2007 | 20.8.2008 | | |
| Cenelec | EN 60079-31:2009 Explosive atmospheres — Part 31: Equipment dust ignition protection by enclosure 't' IEC 60079-31:2008 | 7.7.2010 | EN 61241-1:2004 Note 2.1 | 1.10.2012 |
| Cenelec | EN 61241-4:2006 Electrical apparatus for use in the presence of combustible dust — Part 4: Type of protection 'pD' IEC 61241-4:2001 | 20.8.2008 | | |
| Cenelec | EN 61241-11:2006 Electrical apparatus for use in the presence of combustible dust — Part 11: Protection by intrinsic safety 'iD' IEC 61241-11:2005 | 11.4.2008 | | |
| Cenelec | EN 62013-1:2006 Caplights for use in mines susceptible to firedamp — Part 1: General requirements — Construction and testing in relation to the risk of explosion IEC 62013-1:2005 | 20.8.2008 | EN 62013-1:2002 Note 2.1 | Date expired (1.2.2009) |

⁽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 of the Council amended by the Directive 98/48/EC.
 - 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
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