

THE DEPARTMENT FOR BUSINESS AND TRADE
NOTICE OF PUBLICATION
0088/23
of 26 October 2023

of references to standards for equipment and protective systems intended for use in potentially explosive atmospheres in support of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016 (S.I. 2016/1107)

This notice confirms that:

- (a) The reference to the standard listed in Part 1 of Annex I to this notice is published for the purposes of regulation 2A of S.I. 2016/1107 and accordingly are designated pursuant to that regulation in relation to England and Wales and Scotland. The list of published standards set out in Annex I to notice 0082/23 is amended in accordance with Annex I to this notice from the date of this notice. For clarity, Annex I to this notice also sets out the complete list of references of standards which have been published and accordingly designated for the purposes of 2016/1107 as at the date of this notice.
- (b) The references to standards listed in Annex II to this notice (which have previously been published for the purposes of regulation 2A of S.I. 2016/1107), will be removed from publication from the date set out in that Annex. Accordingly, each of these standards will not be designated, or give rise to any presumption of conformity, on or after the date set out in respect of it. The list of references to be removed from publication, set out in Annex II to notice 0082/23, is amended in accordance with Annex II to this notice from the date of this notice. For clarity, Part 2 of Annex II to this notice sets out the complete list of references to standards which, as at the date of this notice, are due to be removed from publication.

ANNEX I

Part 1

The list of published standards as set out in Annex I to notice 0082/23 is amended as follows:

(1) the following row 89a is inserted after row 89:

89a.	EN 50104:2019 Electrical equipment for the detection and measurement of oxygen – Performance requirements and test methods EN 50104:2019/A1:2023
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Part 2

List of references of standards which have been published and accordingly designated for the purposes of S.I. 2016/1107 as at the date of this notice:

No	Reference of standard
1.	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
2.	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
3.	
4.	EN 1127-1:2019 Explosive atmospheres - Explosion prevention and protection - Part 1: Basic concepts and methodology
5.	EN 1127-2:2014 Explosive atmospheres - Explosion prevention and protection - Part 2: Basic concepts and methodology for mining
6.	EN 1755:2015 Industrial Trucks - Safety requirements and verification - Supplementary requirements for operation in potentially explosive atmospheres
7.	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
8.	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
9.	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 atmospheres

10.	EN 1839:2017 Determination of the explosion limits and the limiting oxygen concentration(LOC) for flammable gases and vapours
11.	EN 1953:2013 Atomising and spraying equipment for coating materials - Safety requirements
12.	EN 12581:2005+A1:2010 Coating plants - Machinery for dip coating and electrodeposition of organic liquid coating material - Safety requirements
13.	EN 12621:2006+A1:2010 Machinery for the supply and circulation of coating materials under pressure - Safety requirements
14.	EN 12757-1:2005+A1:2010 Mixing machinery for coating materials - Safety requirements - Part 1: Mixing machinery for use in vehicle refinishing
15.	
15a.	EN 13012:2021 Petrol filling stations – Construction and performance of automatic nozzles for use on fuel dispensers
16.	EN 13237:2012 Potentially explosive atmospheres - Terms and definitions for equipment and protective systems intended for use in potentially explosive atmospheres
17.	EN 13616-1:2016 Overfill prevention devices for static tanks for liquid fuels - Part 1: Overfill prevention devices with closure device
18.	
18a.	EN 13617-1:2021 Petrol filling stations – Part 1: Safety requirements for construction and performance of metering pumps, dispensers and remote pumping units
19.	
19a.	EN 13617-2:2021 Petrol filling stations - Part 2: Safety requirements for construction and performance of safe breaks for use on metering pumps and dispensers
20.	
20a.	EN 13617-3:2021 Petrol filling stations – Part 3: Safety requirements for construction and performance of shear valves
21.	
21a.	EN 13617-4:2021 Petrol filling stations – Part 4: Safety requirements for construction and performance of swivels for use on metering pumps and dispensers
22.	EN 13760:2003 Automotive LPG filling system for light and heavy duty vehicles - Nozzle, test requirements and dimensions <i>Notice:</i> Subject to Annex II to this notice 0088/23

22a.	EN 13760:2021 LPG equipment and accessories – Automotive LPG filling system for light and heavy duty vehicles – Nozzle, test requirements and dimensions
23.	EN 13852-1:2013 Cranes - Offshore cranes - Part 1: General-purpose offshore cranes
24.	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
25.	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
26.	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
27.	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
28.	EN 14373:2005 Explosion suppression systems <i>Notice: Subject to Annex II to this notice 0088/23</i>
28a.	EN 14373:2021 Explosion suppression systems
29.	EN 14460:2018 Explosion resistant equipment
30.	EN 14491:2012 Dust explosion venting protective systems
31.	EN 14492-1:2006+A1:2009 Cranes - Power driven winches and hoists - Part 1: Power driven winches
32.	EN 14492-2:2006+A1:2009 Cranes - Power driven winches and hoists - Part 2: Power driven hoists
33.	EN 14522:2005 Determination of the auto ignition temperature of gases and vapours
34.	EN 14591-1:2004 Explosion prevention and protection in underground mines - Protective systems - Part 1: 2-bar explosion proof ventilation structure
35.	EN 14591-2:2007 Explosion prevention and protection in underground mines - Protective systems - Part 2: Passive water trough barriers
36.	EN 14591-4:2007 Explosion prevention and protection in underground mines - Protective systems - Part 4: Automatic extinguishing systems for road headers
37.	EN 14677:2008 Safety of machinery - Secondary steelmaking - Machinery and equipment for treatment of liquid steel
38.	EN 14678-1:2013 LPG equipment and accessories - Construction and performance of LPG equipment for automotive filling stations - Part 1: Dispensers
39.	EN 14681:2006+A1:2010 Safety of machinery - Safety requirements for machinery and equipment for production of steel by electric arc furnaces

40.	EN 14797:2006 Explosion venting devices
41.	EN 14973:2015 Conveyor belts for use in underground installations - Electrical and flammability safety requirements
42.	EN 14983:2007 Explosion prevention and protection in underground mines - Equipment and protective systems for firedamp drainage
43.	EN 14986:2017 Design of fans working in potentially explosive atmospheres
44.	EN 14994:2007 Gas explosion venting protective systems
45.	EN 15089:2009 Explosion isolation systems
46.	
46a.	EN 15188:2020 Determination of the spontaneous ignition behaviour of dust accumulations.
47.	EN 15198:2007 Methodology for the risk assessment of non-electrical equipment and components for intended use in potentially explosive atmospheres
48.	EN 15233:2007 Methodology for functional safety assessment of protective systems for potentially explosive atmospheres
49.	EN 15268:2008 Petrol filling stations - Safety requirements for the construction of submersible pump assemblies
50.	EN 15794:2009 Determination of explosion points of flammable liquids
51.	EN 15967:2011 Explosion isolation systems <i>Notice:</i> Subject to Annex II to this notice 0088/23
51a.	EN 15967:2022 Determination of maximum explosion pressure and the maximum rate of pressure rise of gases and vapours
52.	EN 16009:2011 Flameless explosion venting devices
53.	EN 16020:2011 Explosion diverters
54.	EN 16447:2014 Explosion isolation flap valves
55.	EN ISO 16852:2016 Flame arresters - Performance requirements, test methods and limits for use (ISO 16852:2016)
56.	EN 17077:2018 Determination of burning behaviour of dust layers
57.	EN ISO/IEC 80079-20-2:2016 Explosive atmospheres - Part 20-2: Material characteristics - Combustible dusts test methods (ISO/IEC 80079-20-2:2016) EN ISO/IEC 80079-20-2:2016/AC:2017

58.	EN ISO 80079-36:2016 Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic method and requirements (ISO 80079-36:2016)
59.	EN ISO 80079-37:2016 Explosive atmospheres - Part 37: Non-electrical equipment for explosive atmospheres - Non-electrical type of protection constructional safety "c", control of ignition sources "b", liquid immersion "k" (ISO 80079-37:2016)
60.	EN ISO/IEC 80079-38:2016 Explosive atmospheres - Part 38: Equipment and components in explosive atmospheres in underground mines (ISO/IEC 80079-38:2016) EN ISO/IEC 80079-38:2016/A1:2018
61.	EN 50050-1:2013 Electrostatic hand-held spraying equipment - Safety requirements - Part 1: Hand-held spraying equipment for ignitable liquid coating materials
62.	EN 50050-2:2013 Electrostatic hand-held spraying equipment - Safety requirements - Part 2: Hand-held spraying equipment for ignitable coating powder
63.	EN 50050-3:2013 Electrostatic hand-held spraying equipment - Safety requirements - Part 3: Hand-held spraying equipment for ignitable flock
64.	EN 50104:2010 Electrical apparatus for the detection and measurement of oxygen - Performance requirements and test methods <i>Notice: Subject to Annex II to this notice 0088/23</i>
64a.	EN 50104:2019 Electrical equipment for the detection and measurement of oxygen – Performance requirements and test methods EN 50104:2019/A1:2023
65.	EN 50176:2009 Stationary electrostatic application equipment for ignitable liquid coating material - Safety requirements
66.	EN 50177:2009 Stationary electrostatic application equipment for ignitable coating powders - Safety requirements EN 50177:2009/A1:2012
67.	EN 50223:2015 Stationary electrostatic application equipment for ignitable flock material - Safety requirements
68.	
69.	EN 50271:2018 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
70.	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
71.	EN 50303:2000 Group I, Category M1 equipment intended to remain functional in atmospheres endangered by firedamp and/or coal dust
72.	EN 50381:2004 Transportable ventilated rooms with or without an internal source of release

73.	EN 50495:2010 Safety devices required for the safe functioning of equipment with respect to explosion risks
74.	
75.	EN IEC 60079-0:2018 Explosive atmospheres - Part 0: Equipment - General requirements
76.	EN 60079-1:2014 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
77.	EN 60079-2:2014 Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure "p"
78.	EN 60079-5:2015 Explosive atmospheres - Part 5: Equipment protection by powder filling "q"
79.	EN 60079-6:2015 Explosive atmospheres - Part 6: Equipment protection by liquid immersion "o"
80.	
81.	EN 60079-7:2015 Explosive atmospheres - Part 7: Equipment protection by increased safety "e" EN IEC 60079-7:2015/A1:2018
82.	EN 60079-11:2012 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
83.	EN 60079-15:2010 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
84.	EN 60079-18:2015 Explosive atmospheres - Part 18: Equipment protection by encapsulation "m" EN 60079-18:2015/A1:2017
85.	EN 60079-20-1:2010 Explosive atmospheres - Part 20-1: Material characteristics for gas and vapour classification - Test methods and data
86.	EN 60079-25:2010 Explosive atmospheres - Part 25: Intrinsically safe electrical systems
87.	EN 60079-26:2015 Explosive atmospheres - Part 26: Equipment with Equipment Protection Level (EPL) Ga
88.	EN 60079-28:2015 Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
89.	EN 60079-29-1:2016 Explosive atmospheres - Part 29-1: Gas detectors - Performance requirements of detectors for flammable gases <i>Notice: Subject to Annex II to this notice 0088/23</i>
89a.	EN 60079-29-1:2016 Explosive atmospheres – Part 29-1: Gas detectors – Performance requirements of detectors for flammable gases EN 60079-29-1:2016/A1:2022 EN 60079-29-1:2016/A11:2022
90.	EN 60079-29-4:2010 Explosive atmospheres - Part 29-4: Gas detectors - Performance requirements of open path detectors for flammable gases

91.	EN 60079-30-1:2017 Explosive atmospheres - Part 30-1: Electrical resistance trace heating - General and testing requirements
92.	EN 60079-31:2014 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
93.	EN 60079-35-1:2011 Explosive atmospheres - Part 35-1: Caplights for use in mines susceptible to firedamp - General requirements - Construction and testing in relation to the risk of explosion
94.	EN ISO/IEC 80079-34:2020 Explosive atmospheres - Part 34: Application of quality systems for ex product manufacture (ISO/IEC 80079-34:2018)
95.	EN 13852-3:2021 Offshore cranes – Part 3: Light offshore cranes <i>Informative note 1:</i> The normative references referred to in clause 2 of designated standard EN IEC 60079-0:2018 shall be read as EN IEC 60079-0:2018 corrected by EN IEC 60079-0:2018/AC:2020-02 <i>Informative note 2:</i> The normative references referred to in clause 2 of designated standard EN ISO 80079-36:2016 shall be read as EN ISO 80079-36:2016 corrected by EN ISO 80079-36:2016/AC:2019 <i>Restriction:</i> This publication does not cover the following part of the standard: column "Remarks/Notes" of Table ZB.1'
96.	EN 17348:2022 Requirements for design and testing of vacuum cleaners for use in potentially explosive atmospheres.

ANNEX II

Part 1

The list of standards for removal from publication, as set out in Annex II to notice 0082/23, is amended as follows:

(1) rows 1 to 5 inclusive are removed.

(2) row 6 to 9 inclusive are renumbered 1 to 4.

(3) the following entry is added:

No.	Reference of Standard	Date of removal from publication
5.	EN 50104:2010 Electrical apparatus for the detection and measurement of oxygen - Performance requirements and test methods	2 February 2025

Part 2

List of references to standards which, as at the date of this notice, are due to be removed from publication.

No.	Reference of Standard	Date of removal from publication
1.	EN 13760:2003 Automotive LPG filling system for light and heavy duty vehicles – Nozzle, test requirements and dimensions	19 November 2023
2.	EN 14373:2005 Explosion suppression systems	19 November 2023
3.	EN 15967:2011 Determination of maximum explosion pressure and the maximum rate of pressure rise of gases and vapours	29 March 2024
4.	EN 60079-29-1:2016 Explosive atmospheres - Part 29-1: Gas detectors - Performance requirements of detectors for flammable gases	17 September 2024
5.	EN 50104:2010 Electrical apparatus for the detection and measurement of oxygen - Performance requirements and test methods	2 February 2025