

# UPDATE STANDARDS

## Medical device manufacturers should now get the amended QMS standard

**BS EN ISO 13485:2016+A11:2021 Medical devices. Quality management systems. Requirements for regulatory purposes** sets our regulatory requirements for quality management systems for medical devices. The 2021 amendment adds annexes showing the relationship between clauses in the standard and the requirements of the new European medical devices and IVD medical devices regulations.

**Learn more** <https://pages.bsigroup.com/BSENISO13485/2021>

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# Welcome to Update Standards

In these pages you'll find details of new, revised, draft and withdrawn standards and publications from the last month.



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## Paving the way for the improved design, construction, and maintenance of pavements

The **BS 7533 series** covering the use of clay, concrete and natural stone paving units in pavement design, construction, and maintenance is being re-structured. It will now be published in three parts, the first of which, **BS 7533-101:2021** has just been published. The revision of **BS 7533-101:2021** brings users a lot of cost-saving and risk management benefits and as a result will offer great improvement for construction organizations and the public.



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# British Standards – Quick Reference Guide

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£109.00 members, £218.00 non-members

NTI/1

**PD ISO/TS 21999:2021**

Road vehicles. Multidimensional measurement and coordinate systems definition

no current standard is superseded

ISBN 978 0 539 16694 1

£130.00 members, £260.00 non-members

AUE/7

**PD ISO/TS 22393:2021**

Security and resilience. Community resilience. Guidelines for planning recovery and renewal

no current standard is superseded

ISBN 978 0 539 15613 3

£0.00 members, £0.00 non-members

SSM/1

**PD ISO/TS 23034:2021**

Nanotechnologies. Method to estimate cellular uptake of carbon nanomaterials using optical absorption

no current standard is superseded

ISBN 978 0 580 52193 5

£109.00 members, £218.00 non-members

NTI/1

**PD ISO/TS 23818-2:2021**

Assessment of conformity of plastics piping systems for the rehabilitation of existing pipelines. Resin-fibre composite (RFC) material

no current standard is superseded

ISBN 978 0 539 16270 7

£109.00 members, £218.00 non-members

PRI/88/3

**PD ISO/TR 32220:2021**

Sustainable finance. Basic concepts and key initiatives

no current standard is superseded

ISBN 978 0 539 19035 9

£123.00 members, £246.00 non-members

SFS/1

**PD ISO/IEC TR 30117:2021**

Information technology. Standards and applications for the integration of biometrics and integrated circuit cards (ICCs)

no current standard is superseded

ISBN 978 0 539 05546 7

£93.00 members, £186.00 non-members

IST/17

## CORRIGENDA TO BRITISH STANDARDS

Most amendments are not issued separately. Those that make significant changes to a standard are incorporated into the standard which is reissued (see 'Updated British Standards'). British Standards which have been corrected via corrigenda are available on request, free of charge to past purchasers of the standard. All amendments and corrigenda to date of despatch are included within any main publication when ordered for the first time.

The following corrigenda to British Standards were made available last month.

### **BS AU 145e:2018**

Specification for retroreflecting number plates  
£93.00 members, £186.00 non-members

AUE/1

*Corrigendum, August 2021*

### **BS EN IEC 61326-1:2021**

Electrical equipment for measurement, control and laboratory use. EMC requirements. General requirements  
£93.00 members, £186.00 non-members

GEL/65/1

*Corrigendum, August 2021*

### **BS EN IEC 61753-085-02:2021**

Fibre optic interconnecting devices and passive components. Performance standard. Non-connectorized single-mode pigtailed CWDM devices for category C. Indoor controlled environment  
£67.00 members, £134.00 non-members

GEL/86/2

*Corrigendum, September 2021*

### **BS EN 4866:2021**

Aerospace series. Definitions of imperfections and defects in organic matrix composite materials  
£130.00 members, £260.00 non-members

ACE/65

*Corrigendum, August 2021*

### **BS EN 6099:2021**

Aerospace series. Rod-end, spherical, plain bearing, metal to metal. Technical specification  
£93.00 members, £186.00 non-members

ACE/12

*Corrigendum, August 2021*

### **BS EN ISO 10276:2021**

Nuclear energy. Fuel technology. Trunnion systems for packages used to transport radioactive material  
£93.00 members, £186.00 non-members

NCE/9

*Corrigendum, August 2021*

### **BS EN ISO 10651-5:2021**

Lung ventilators for medical use. Particular requirements for basic safety and essential performance. Gas-powered emergency resuscitators  
£130.00 members, £260.00 non-members

CH/121

*Corrigendum, August 2021*

### **BS EN ISO 10872:2021**

Water and soil quality. Determination of the toxic effect of sediment and soil samples on growth, fertility and reproduction of *Caenorhabditis elegans* (Nematoda)  
£93.00 members, £186.00 non-members

EH/3/5

*Corrigendum, August 2021*

### **BS EN 13819-3:2019**

Hearing protectors. Testing. Supplementary acoustic test methods  
£109.00 members, £218.00 non-members

PH/7

*Corrigendum, August 2021*

### **BS EN ISO 16647:2021**

Nuclear facilities. Criteria for design and operation of confinement systems for nuclear worksite and for nuclear installations under decommissioning  
£109.00 members, £218.00 non-members

NCE/2

*Corrigendum, August 2021*

### **BS EN ISO 18229:2021**

Essential technical requirements for mechanical components and metallic structures foreseen for Generation IV nuclear reactors  
£109.00 members, £218.00 non-members

NCE/2

*Corrigendum, August 2021*

### **BS EN ISO 18589-1:2021**

Measurement of radioactivity in the environment. Soil. General guidelines and definitions  
£93.00 members, £186.00 non-members

NCE/2

*Corrigendum, August 2021*

### **BS EN ISO 18589-4:2021**

Measurement of radioactivity in the environment. Soil. Plutonium 238 and plutonium 239 + 240. Test method using alpha spectrometry  
£93.00 members, £186.00 non-members

NCE/2

*Corrigendum, August 2021*

### **BS EN ISO 18589-5:2021**

Measurement of radioactivity in the environment. Soil. Strontium 90. Test method using proportional counting or liquid scintillation counting  
£109.00 members, £218.00 non-members

NCE/2

*Corrigendum, August 2021*

### **BS EN ISO 18589-6:2021**

Measurement of radioactivity in the environment. Soil. Gross alpha and gross beta activities. Test method using gas-flow proportional counting  
£67.00 members, £134.00 non-members

NCE/2

*Corrigendum, August 2021*

### **BS EN ISO 20785-4:2021**

Dosimetry for exposures to cosmic radiation in civilian aircraft. Validation of codes  
£67.00 members, £134.00 non-members

NCE/2

*Corrigendum, August 2021*

### **BS EN ISO 21388:2021**

Acoustics. Hearing aid fitting management (HAFM)  
£130.00 members, £260.00 non-members

EH/1/1

*Corrigendum, September 2021*

### **BS EN ISO 21676:2021**

Water quality. Determination of the dissolved fraction of selected active pharmaceutical ingredients, transformation products and other organic substances in water and treated waste water. Method using high performance liquid chromatography and mass spectrometric detection (HPLC-MS/MS or -HRMS) after direct injection  
£109.00 members, £218.00 non-members

EH/3/2

*Corrigendum, August 2021*

### **BS EN ISO 20042:2021**

Measurement of radioactivity. Gamma-ray emitting radionuclides. Generic test method using gamma-ray spectrometry  
£130.00 members, £260.00 non-members

NCE/2

*Corrigendum, August 2021*

### **PD CEN/TR 15071:2020**

Safety of toys. National translations of warnings and instructions for use in the EN 71 series  
£193.00 members, £386.00 non-members

CW/15

*Corrigendum, August 2021*

### **PD CEN ISO/TR 22930-2:2021**

Evaluating the performance of continuous air monitors. Air monitors based on flow-through sampling techniques without accumulation  
£109.00 members, £218.00 non-members

NCE/2

*Corrigendum, September 2021*

### **PD CLC IEC/TR 62541-1:2021**

OPC unified architecture. Overview and concepts  
£109.00 members, £218.00 non-members

GEL/65/3

*Corrigendum, August 2021*

### **PD CLC IEC/TS 60079-47:2021**

Explosive atmospheres. Equipment protection by 2-wire intrinsically safe Ethernet concept (2-WISE)  
£67.00 members, £134.00 non-members

EXL/31

*Corrigendum, August 2021*

## UPDATED BRITISH STANDARDS

The following standards have been amended and the amendments have been incorporated into an updated standard.

**NOTE: Updated British Standards must be reordered as the amendments are not available separately.**

### BS EN 206:2013+A2:2021

Concrete. Specification, performance, production and conformity

£149.00 members, £298.00 non-members

B/517/1

*Amendment, August 2021; Amendment, November 2016*

### BS EN IEC 60404-6:2018+A1:2021

Magnetic materials. Methods of measurement of the magnetic properties of magnetically soft metallic and powder materials at frequencies in the range 20 Hz to 100 kHz by the use of ring specimens

£93.00 members, £186.00 non-members

ISE/108

*Amendment, September 2021; Corrigendum, December 2018*

### BS EN IEC 61386-21:2021+A11:2021

Conduit systems for cable management. Particular requirements. Rigid conduit systems

£67.00 members, £134.00 non-members

PEL/213

*Amendment, August 2021; Amendment, June 2011*

### BS EN IEC 61386-22:2021+A11:2021

Conduit Systems for cable management. Particular requirements. Pliable conduit systems

£67.00 members, £134.00 non-members

PEL/213

*Amendment,*

### BS EN IEC 61386-23:2021+A11:2021

Conduit systems for cable management. Particular requirements. Flexible conduit systems

£67.00 members, £134.00 non-members

PEL/213

*Amendment,*

### BS EN 1647:2018+A1:2021

Leisure accommodation vehicles. Caravan holiday homes. Habitation requirements relating to health and safety

£109.00 members, £218.00 non-members

B/511

*Amendment, August 2021; Corrigendum, January 2019*

### BS EN 1706:2020+A1:2021

Aluminium and aluminium alloys. Castings. Chemical composition and mechanical properties

£109.00 members, £218.00 non-members

NFE/35

*Amendment, August 2021*

### BS EN ISO 4892-2:2013+A1:2021

Plastics. Methods of exposure to laboratory light sources. Xenon-arc lamps

£93.00 members, £186.00 non-members

PR/21

*Amendment, August 2021*

### BS EN ISO 13485:2016+A11:2021

Medical devices. Quality management systems. Requirements for regulatory purposes

£140.00 members, £280.00 non-members

CH/210

*Amendment, September 2021; Corrigendum, January 2017*

### BS EN 15804:2012+A2:2019

Sustainability of construction works. Environmental product declarations. Core rules for the product category of construction products

£140.00 members, £280.00 non-members

B/558

*Corrigendum, September 2021; Corrigendum, July 2020*

### BS EN 60601-1-6:2010+A2:2021

Medical electrical equipment. General requirements for basic safety and essential performance. Collateral standard: Usability

£93.00 members, £186.00 non-members

CH/62/1

*Amendment, August 2021; Amendment, July 2015*

### BS EN 60601-1-8:2007+A2:2021

Medical electrical equipment. General requirements for basic safety and essential performance. Collateral Standard: General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems

£168.00 members, £336.00 non-members

CH/62/1

*Amendment, August 2021; Amendment, July 2017*

### BS EN 60601-1-10:2008+A2:2021

Medical electrical equipment. General requirements for basic safety and essential performance. Collateral Standard: Requirements for the development of physiologic closed-loop controllers

£130.00 members, £260.00 non-members

CH/62/1

*Amendment, August 2021; Amendment, June 2015*

### BS EN 60601-1-11:2015+A1:2021

Medical electrical equipment. General requirements for basic safety and essential performance. Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment

£140.00 members, £280.00 non-members

CH/62/1

*Amendment, August 2021*

### BS EN 62563-1:2010+A2:2021

Medical electrical equipment. Medical image display systems. Evaluation methods

£140.00 members, £280.00 non-members

CH/62/2

*Amendment, September 2021; Amendment, July 2016*

### BS ISO 13091-1:2001+A2:2021

Mechanical vibration. Vibrotactile perception thresholds for the assessment of nerve dysfunction. Methods of measurement at the fingertips

£109.00 members, £218.00 non-members

GME/21/6

*Amendment, August 2021*

### BS ISO 16505:2019+A1:2021

Road vehicles. Ergonomic and performance aspects of Camera Monitor Systems. Requirements and test procedures

£175.00 members, £350.00 non-members

AUE/1

*Amendment, August 2021*

### BS ISO 19880-8:2019+A1:2021

Gaseous hydrogen. Fuelling stations. Fuel quality control

£123.00 members, £246.00 non-members

PVE/3/8

*Amendment, August 2021*

## DESIGNATED STANDARDS

The following standards have recently been designated by UK government for the purposes of regulatory conformity in England, Scotland and Wales (primarily UKCA marking). For further information on designated standards please visit [www.bsigroup.com/standardsandregulation](http://www.bsigroup.com/standardsandregulation)

### BS EN 13480-3:2017+A1:2021

Metallic industrial piping. Design and calculation

PVE/10

### BS EN 55035:2017

Electromagnetic compatibility of multimedia equipment. Immunity requirements

GEL/210

### BS EN 10217-1:2019

Welded steel tubes for pressure purposes. Technical delivery conditions. Electric welded and submerged arc welded non-alloy steel tubes with specified room temperature properties

ISE/110

### BS EN 81-20:2020

Safety rules for the construction and installation of lifts. Lifts for the transport of persons and goods. Passenger and goods passenger lifts

MHE/4

### BS EN 10217-5:2019

Welded steel tubes for pressure purposes. Technical delivery conditions. Submerged arc welded non-alloy and alloy steel tubes with specified elevated temperature properties

ISE/110

### BS EN 10217-4:2019

Welded steel tubes for pressure purposes. Technical delivery conditions. Electric welded non-alloy steel tubes with specified low temperature properties

ISE/110



**BS EN 10217-3:2019**

Welded steel tubes for pressure purposes. Technical delivery conditions. Electric welded and submerged arc welded alloy fine grain steel tubes with specified room, elevated and low temperature properties

ISE/110

**BS EN 10217-2:2019**

Welded steel tubes for pressure purposes. Technical delivery conditions. Electric welded non-alloy and alloy steel tubes with specified elevated temperature properties

ISE/110

**BS EN IEC 60947-4-1:2019**

Low-voltage switchgear and controlgear – Contactors and motor-starters. Electromechanical contactors and motor-starters

PEL/121/1

**BS EN 13480-2:2017+A7:2020**

Metallic industrial piping. Materials

PVE/10

**BS EN 15188:2020**

Determination of the spontaneous ignition behaviour of dust accumulations

EXL/23

**BS EN 10217-6:2019**

Welded steel tubes for pressure purposes. Technical delivery conditions. Submerged arc welded non-alloy steel tubes with specified low temperature properties

ISE/110

**BS EN 60204-1:2018**

Safety of machinery. Electrical equipment of machines. General requirements

MCE/3

**BS EN ISO 13485:2016+A11:2021**

Medical devices. Quality management systems. Requirements for regulatory purposes

CH/210

## BRITISH STANDARDS REVIEWED AND CONFIRMED

It is BSI policy for every standard to be reviewed by the technical committee responsible not more than five years after publication, to establish whether it is still current and, if it is not, to identify and set in hand appropriate action.

Confirmation indicates the continuing currency of a standard.

Where any standard in this list has been amended since publication, confirmation includes all amendments published to date. Reference to a particular amendment indicates that it is published concurrently with the confirmation.

**BS EN 54-28:2016**

Fire detection and fire alarm system. Non-resettable line-type heat detectors

FSH/12/2

**BS EN 59:2016**

Glass reinforced plastics. Determination of indentation hardness by means of a Barcol hardness tester

PRI/21

**BS EN ISO 105-D02:2016**

Textiles. Tests for colour fastness. Colour fastness to rubbing: Organic solvents

TCI/81

**BS EN ISO 105-G01:2016**

Textiles. Tests for colour fastness. Colour fastness to nitrogen oxides

TCI/81

**BS EN ISO 105-X12:2016**

Textiles. Tests for colour fastness. Colour fastness to rubbing

TCI/81

**BS EN ISO 105-X16:2016**

Textiles. Tests for colour fastness. Colour fastness to rubbing. Small areas

TCI/81

**BS EN ISO 105-X18:2007**

Textiles. Tests for colour fastness. Assessment of the potential to phenolic yellowing of materials

TCI/81

**BS EN ISO 216:2007**

Writing paper and certain classes of printed matter. Trimmed sizes. A and B series, and indication of machine direction

PAI/11

**BS EN 327:2014**

Heat exchangers. Forced convection air cooled refrigerant condensers. Test procedures for establishing performance

RHE/30

**BS EN 328:2014**

Heat exchangers. Forced convection unit air coolers for refrigeration. Test procedures for establishing the performance

RHE/30

**BS EN 438-1:2016**

High-pressure decorative laminates (HPL). Sheets based on thermosetting resins (usually called laminates). Introduction and general information

PRI/76

**BS EN 438-3:2016**

High-pressure decorative laminates (HPL). Sheets based on thermosetting resins (usually called laminates). Classification and specifications for laminates less than 2 mm thick intended for bonding to supporting substrates

PRI/76

**BS EN 438-4:2016**

High-pressure decorative laminates (HPL). Sheets based on thermosetting resins (usually called laminates). Classification and specifications for compact laminates of thickness 2 mm and greater

PRI/76

**BS EN 438-5:2016**

High-pressure decorative laminates (HPL). Sheets based on thermosetting resins (usually called laminates). Classification and specifications for flooring grade laminates less than 2 mm thick intended for bonding to supporting substrates

PRI/76

**BS EN 438-6:2016**

High-pressure decorative laminates (HPL). Sheets based on thermosetting resins (usually called laminates). Classification and specifications for Exterior-grade compact laminates of thickness 2 mm and greater

PRI/76

**BS EN 1026:2016**

Windows and doors. Air permeability. Test method

B/538/1

**BS EN 1027:2016**

Windows and doors. Water tightness. Test method

B/538/1

**BS EN 1048:2014**

Heat exchangers. Air cooled liquid coolers ('dry coolers'). Test procedures for establishing the performance

RHE/30

**BS EN ISO 1893:2008**

Refractory products. Determination of refractoriness under load. Differential method with rising temperature

RPI/1

**BS EN ISO 2157:2016**

Dentistry. Nominal diameters and designation code numbers for rotary instruments

CH/106/4

**BS EN ISO 2535:2002**

Plastics. Unsaturated polyester resins. Measurement of gel time at ambient temperature

PRI/42

**BS EN ISO 3040:2016**

Geometrical product specifications (GPS). Dimensioning and tolerancing. Cones

TPR/1

**BS EN ISO 3953:2011**

Metallic powders. Determination of tap density

ISE/65

**BS EN ISO 3954:2007**

Powders for powder metallurgical purposes. Sampling

ISE/65

**BS EN ISO 4527:2003**

Metallic coatings. Autocatalytic (electroless) nickel-phosphorus alloy coatings. Specification and test methods

STI/33

**BS EN ISO 4829-2:2016**

Steels. Determination of total silicon contents. Reduced molybdenosilicate spectrophotometric method. Silicon contents between 0,01 % and 0,05 %

ISE/102

**BS EN ISO 4938:2016**

Steel and iron. Determination of nickel content. Gravimetric or titrimetric method

ISE/102

**BS EN ISO 4946:2016**

Steel and cast iron. Determination of copper. 2,2'-Biquinoline spectrophotometric method

ISE/102

**BS EN ISO 5264-2:2011**

Pulps. Laboratory beating. PFI mill method

PAI/11

**BS EN ISO 6874:2015**

Dentistry. Polymer-based pit and fissure sealants

CH/106/1

**BS EN ISO 7787-1:2016**

Dentistry. Laboratory cutters. Steel laboratory cutters

CH/106/4

**BS EN ISO 8049:2016**

Ferronickel shot. Sampling for analysis

I/-

**BS EN ISO 8254-2:2016**

Paper and board. Measurement of specular gloss. 75 degree gloss with a parallel beam, DIN method

PAI/11

**BS EN ISO 9100-8:2005**

Glass containers. Vacuum lug finishes. 63, 66 and 70 regular

PKW/0/-/7

**BS EN ISO 9100-9:2005**

Glass containers. Vacuum lug finishes. 63, 66 and 70 deep

PKW/0/-/7

**BS EN 10351:2011**

Chemical analysis of ferrous materials. Inductively coupled plasma optical emission spectrometric analysis of unalloyed and low alloyed steels. Determination of Mn, P, Cu, Ni, Cr, Mo, V, Co, Al (total) and Sn [Routine method]

ISE/102

**BS EN 10361:2015**

Alloyed steels. Determination of nickel content. Inductively coupled plasma optical emission spectrometric method

ISE/102

**BS EN ISO 10656:2021**

Resistance welding equipment. Transformers. Integrated transformers for welding guns

WEE/29

**BS EN ISO 12180-1:2011**

Geometrical product specifications (GPS). Cylindricity. Vocabulary and parameters of cylindrical form

TPR/1

**BS EN ISO 12180-2:2011**

Geometrical product specifications (GPS). Cylindricity. Specification operators

TPR/1

**BS EN ISO 12181-1:2011**

Geometrical product specifications (GPS). Roundness. Vocabulary and parameters of roundness

TPR/1

**BS EN ISO 12181-2:2011**

Geometrical product specifications (GPS). Roundness. Specification operators

TPR/1

**BS EN 12210:2016**

Windows and doors. Resistance to wind load. Classification

B/538/1

**BS EN 12211:2016**

Windows and doors. Resistance to wind load. Test method

B/538/1

**BS EN ISO 12236:2006**

Geosynthetics. Static puncture test (CBR test)

B/553

**BS EN ISO 12625-8:2010**

Tissue paper and tissue products. Water-absorption time and water-absorption capacity, basket-immersion test method

PAI/11

**BS EN ISO 12683:2004**

Mechanically deposited coatings of zinc. Specification and test methods

STI/33

**BS EN 12730:2015**

Flexible sheets for waterproofing. Bitumen, plastic and rubber sheets for roof waterproofing. Determination of resistance to static loading

B/546

**BS EN ISO 12780-1:2011**

Geometrical product specifications (GPS). Straightness. Vocabulary and parameters of straightness

TPR/1

**BS EN ISO 12780-2:2011**

Geometrical product specifications (GPS). Straightness. Specification operators

TPR/1

**BS EN ISO 12781-1:2011**

Geometrical product specifications (GPS). Flatness. Vocabulary and parameters of flatness

TPR/1

**BS EN ISO 12781-2:2011**

Geometrical product specifications (GPS). Flatness. Specification operators

TPR/1

**BS EN ISO 13433:2006**

Geosynthetics. Dynamic perforation test (cone drop test)

B/553

**BS EN 13443-2:2005+A1:2007**

Water conditioning equipment inside buildings. Mechanical filters. Particle rating 1 µm to less than 80 µm. Requirements for performance, safety and testing

B/504/-/13

**BS EN 14038-1:2016**

Electrochemical realkalization and chloride extraction treatments for reinforced concrete. Realkalization

GEL/603

**BS EN ISO 14122-1:2016**

Safety of machinery. Permanent means of access to machinery. Choice of fixed means and general requirements of access

B/208/1

**BS EN ISO 14122-2:2016**

Safety of machinery. Permanent means of access to machinery. Working platforms and walkways

B/208/1

**BS EN ISO 14122-3:2016**

Safety of machinery. Permanent means of access to machinery. Stairs, stepladders and guard-rails

B/208/1

**BS EN ISO 14122-4:2016**

Safety of machinery. Permanent means of access to machinery. Fixed ladders

B/208/1

**BS EN 14303:2015**

Thermal insulation products for building equipment and industrial installations. Factory made mineral wool (MW) products. Specification

B/540

**BS EN 14304:2015**

Thermal insulation products for building equipment and industrial installations. Factory made flexible elastomeric foam (FEF) products. Specification

B/540

**BS EN 14305:2015**

Thermal insulation products for building equipment and industrial installations. Factory made cellular glass (CG) products. Specification

B/540

**BS EN 14306:2015**

Thermal insulation products for building equipment and industrial installations. Factory made calcium silicate (CS) products. Specification

B/540

**BS EN 14307:2015**

Thermal insulation products for building equipment and industrial installations. Factory made extruded polystyrene foam (XPS) products. Specification

B/540

**BS EN 14308:2015**

Thermal insulation products for building equipment and industrial installations. Factory made rigid polyurethane foam (PUR) and polyisocyanurate foam (PIR) products. Specification

B/540

**BS EN 14309:2015**

Thermal insulation products for building equipment and industrial installations. Factory made products of expanded polystyrene (EPS). Specification

B/540

**BS EN 14313:2015**

Thermal insulation products for building equipment and industrial installations. Factory made polyethylene foam (PEF) products. Specification

B/540

**BS EN 14314:2015**

Thermal insulation products for building equipment and industrial installations. Factory made phenolic foam (PF) products. Specification

B/540

**BS EN 14601:2005+A1:2010**

Railway applications. Straight and angled end cocks for brake pipe and main reservoir pipe

RAE/4

**BS EN ISO 14644-1:2015**

Cleanrooms and associated controlled environments. Classification of air cleanliness by particle concentration

LBI/30

**BS EN ISO 14644-2:2015**

Cleanrooms and associated controlled environments. Monitoring to provide evidence of cleanroom performance related to air cleanliness by particle concentration

LBI/30

**BS EN 14652:2005+A1:2007**

Water conditioning equipment inside buildings. Membrane separation devices. Requirements for performance, safety and testing

B/504/-13

**BS EN 14750-1:2006**

Railway applications. Air conditioning for urban and suburban rolling stock. Comfort parameters

RAE/1

**BS EN 14750-2:2006**

Railway applications. Air conditioning for urban and suburban rolling stock. Type tests

RAE/1

**BS EN 14897:2006+A1:2007**

Water conditioning equipment inside buildings. Devices using mercury low-pressure ultraviolet radiators. Requirements for performance, safety and testing

B/504/-13

**BS EN 14898:2006+A1:2007**

Water conditioning equipment inside buildings. Active media filters. Requirements for performance, safety and testing

B/504/-13

**BS EN 15234-1:2011**

Solid biofuels. Fuel quality assurance. General requirements

PTI/17

**BS EN 15501:2015**

Thermal insulation products for building equipment and industrial installations. Factory made expanded perlite (EP) and exfoliated vermiculite (EV) products. Specification

B/540

**BS EN ISO 15614-8:2016**

Specification and qualification of welding procedures for metallic materials. Welding procedure test. Welding of tubes to tube-plate joints

WEE/36

**BS EN ISO 16282:2008**

Methods of test for dense shaped refractory products. Determination of resistance to abrasion at ambient temperature

RPI/1

**BS EN 16404:2016**

Railway applications. Re-railing and recovery requirements for railway vehicles

RAE/3/-10

**BS EN 16602-60-13:2015**

Space product assurance. Requirements for the use of COTS components

ACE/68

**BS EN 16602-70-55:2015**

Space product assurance. Microbiological examination of flight hardware and cleanrooms

ACE/68

**BS EN 16602-70-56:2015**

Space product assurance. Vapour Phase Bioburden Reduction for Flight Hardware

ACE/68

**BS EN 16602-70-57:2015**

Space product assurance. Dry Heat Bioburden Reduction for Flight Hardware

ACE/68

**BS EN 16602-70-58:2015**

Space product assurance. Bioburden control of cleanrooms

ACE/68

**BS EN 16703:2015**

Acoustics. Test code for drywall systems of plasterboard with steel studs. Airborne sound insulation

EH/1/6

**BS EN 16724:2016**

Thermal insulation products for building applications. Instructions for mounting and fixing for determination of the reaction to fire testing of external thermal insulation composite systems (ETICS)

B/540

**BS EN 16738:2015**

Emission safety of combustible air fresheners. Test methods

EH/2/5

**BS EN 16739:2015**

Emission safety of combustible air fresheners. Methodology for the assessment of test results and application of recommended emission limits

EH/2/5

**BS EN 16740:2015**

Emission safety of combustible air fresheners. User safety information

EH/2/5

**BS EN 16761-1:2015**

Automotive fuels. Determination of methanol in automotive ethanol (E85) fuel by gas chromatography. Method using single column technique

PTI/13

**BS EN 16761-2:2015**

Automotive fuels. Determination of methanol in automotive ethanol (E85) fuel by gas chromatography. Method using heart cut technique

PTI/13

**BS EN 16795:2015**

Plastics. Method for estimating heat build up of flat surfaces by simulated solar radiation

PRI/21

**BS EN ISO 17450-3:2016**

Geometrical product specifications (GPS). General concepts. Toleranced features

TPR/1

**BS EN ISO 17662:2016**

Welding. Calibration, verification and validation of equipment used for welding, including ancillary activities

WEE/-1

**BS EN ISO 17945:2015**

Petroleum, petrochemical and natural gas industries. Metallic materials resistant to sulfide stress cracking in corrosive petroleum refining environments

PSE/17

**BS EN ISO 17989-1:2015**

Tractors and machinery for agriculture and forestry. Sustainability. Principles

AGE/6

**BS EN ISO 18254-1:2016**

Textiles. Method for the detection and determination of alkylphenol ethoxylates (APEO). Method using HPLC – MS

TCI/80

**BS EN ISO 18556:2016**

Dentistry. Intraoral spatulas

CH/106/4

**BS EN ISO 19134:2008**

Geographic information. Location-based services. Multimodal routing and navigation

IST/36

**BS EN ISO 21254-2:2011**

Lasers and laser-related equipment. Test methods for laser-induced damage threshold. Threshold determination

CPW/172

**BS EN ISO 21534:2009**

Non-active surgical implants. Joint replacement implants. Particular requirements

CH/150/4

**BS EN ISO 21013-3:2016**

Cryogenic vessels. Pressure-relief accessories for cryogenic service. Sizing and capacity determination

PVE/18

**BS EN ISO 25178-1:2016**

Geometrical product specifications (GPS). Surface texture: Areal. Indication of surface texture

TPR/1

**BS EN ISO 25378:2011**

Geometrical product specifications (GPS). Characteristics and conditions. Definitions

TPR/1

**BS EN ISO 28439:2011**

Workplace atmospheres. Characterization of ultrafine aerosols/nanoaerosols. Determination of the size distribution and number concentration using differential electrical mobility analysing systems

EH/2/2

**BS EN 50527-1:2016**

Procedure for the assessment of the exposure to electromagnetic fields of workers bearing active implantable medical devices. General

GEL/106

**BS EN 50582:2016**

Procedure to assess the circuit integrity of optical fibres in a cable under resistance to fire testing

GEL/86/1

**BS ISO 96-2:2009**

Textile machinery and accessories. Rings and travellers for ring spinning and ring twisting frames. HZ- and J-rings and their travellers

TCI/33

**BS ISO 105-F06:2000**

Textiles. Tests for colour fastness. Specification for silk adjacent fabric

TCI/81

**BS ISO 105-G04:2016**

Textiles. Tests for colour fastness. Colour fastness to nitrogen oxides in the atmosphere at high humidities

TCI/81

**BS ISO 562:2010**

Hard coal and coke. Determination of volatile matter

PTI/16

**BS ISO 639-3:2007**

Codes for the representation of names of languages. Alpha-3 code for comprehensive coverage of languages

TS/1

**BS ISO 1951:2007**

Presentation/representation of entries in dictionaries. Requirements, recommendations and information

TS/1

**BS ISO 2631-1:1997**

Mechanical vibration and shock. Evaluation of human exposure to whole-body vibration. General Requirements

GME/21/6

**BS ISO 3039:2010**

Corrugated fibreboard. Determination of grammage of the component papers after separation

PAI/11

**BS ISO 3917:2016**

Road vehicles. Safety glazing materials. Test methods for resistance to radiation, high temperature, humidity, fire and simulated weathering

AUE/1

**BS ISO 4901:2011**

Reinforced plastics based on unsaturated-polyester resins. Determination of the residual styrene monomer content, as well as the content of other volatile aromatic hydrocarbons, by gas chromatography

PRI/42

**BS ISO 4939:2016**

Steel. Determination of nickel. Dimethylglyoxime spectrophotometric method

ISE/102

**BS ISO 4942:2016**

Steels and irons. Determination of vanadium content. N-BPHA spectrophotometric method

ISE/102

**BS ISO 5667-4:2016**

Water quality. Sampling. Guidance on sampling from lakes, natural and man-made

EH/3/6

**BS ISO 5667-24:2016**

Water quality. Sampling. Guidance on the auditing of water quality sampling

EH/3/6

**BS ISO 6690:2007**

Milking machine installations. Mechanical tests

AGE/32

**BS ISO 7121:2016**

Steel ball valves for general-purpose industrial applications

PSE/18/3

**BS ISO 7176-9:2009**

Wheelchairs. Climatic tests for electric wheelchairs

CH/173/1

**BS ISO 7206-13:2016**

Implants for surgery. Partial and total hip joint prostheses. Determination of resistance to torque of head fixation of stemmed femoral components

CH/150/4

**BS ISO 7207-1:2007**

Implants for surgery. Components for partial and total knee joint prostheses. Classification, definitions and designation of dimensions

CH/150/4

**BS ISO 7451:2007**

Earth-moving machinery. Volumetric ratings for hoe-type and grab-type buckets of hydraulic excavators and backhoe loaders

B/513/1

**BS ISO 8254-3:2016**

Paper and board. Measurement of specular gloss. 20° gloss with a converging beam, TAPPI method

PAI/11

**BS ISO 8432:1987**

Essential oils. Analysis by high performance liquid chromatography. General method

AW/54

**BS ISO 8528-8:2016**

Reciprocating internal combustion engine driven alternating current generating sets. Requirements and tests for low-power generating sets

MCE/14

**BS ISO 8812:2016**

Earth-moving machinery. Backhoe loaders. Terminology and commercial specifications

B/513/1

**BS ISO 9039:2008**

Optics and photonics. Quality evaluation of optical systems. Determination of distortion

CPW/172

**BS ISO 9898:2000**

Equipment for crop protection. Test methods for air-assisted sprayers for bush and tree crops

AGE/15

**BS ISO 11418-7:2016**

Containers and accessories for pharmaceutical preparations. Screw-neck vials made of glass tubing for liquid dosage forms

CH/212

**BS ISO 11783-9:2012**

Tractors and machinery for agriculture and forestry. Serial control and communications data network. Tractor ECU

AGE/6

**BS ISO 12151-6:2009**

Connections for hydraulic fluid power and general use. Hose fittings. Hose fittings with ISO 8434-6 60° cone ends

MCE/18-/4

**BS ISO 12189:2008**

Implants for surgery. Mechanical testing of implantable spinal devices. Fatigue test method for spinal implant assemblies using an anterior support

CH/150/5

**BS ISO 12199:2000**

Alphabetical ordering of multilingual terminological and lexicographical data represented in the Latin alphabet

TS/1

**BS ISO 12641-1:2016**

Graphic technology. Prepress digital data exchange. Colour targets for input scanner calibration. Colour targets for input scanner calibration

PAI/43

**BS ISO 13073-3:2016**

Ships and marine technology. Risk assessment on anti-fouling systems on ships. Human health risk assessment method of biocidally active substances used in anti-fouling paints on ships during the application and removal processes

SME/32

**BS ISO 13543:2016**

Copper, lead, zinc and nickel sulfide concentrates. Determination of mass of contained metal in a lot

NFE/36

**BS ISO 14223-2:2010**

Radiofrequency identification of animals. Advanced transponders. Code and command structure

AGE/6/1

**BS ISO 14635-2:2004**

Gears. FZG test procedures. FZG step load test A10/16, 6R/120 for relative scuffing load-carrying capacity of high EP oils

MCE/5

**BS ISO 14739-1:2014**

Document management. 3D use of Product Representation Compact (PRC) format. PRC 10999

IDT/1

**BS ISO 14899:2001**

Plastics. Polyols for use in the production of polyurethane. Determination of basicity

PRI/42

**BS ISO 15063:2011**

Plastics. Polyols for use in the production of polyurethanes. Determination of hydroxyl number by NIR spectroscopy

PRI/42

**BS ISO 15726:2009**

Metallic coatings and other inorganic coatings. Electrodeposited zinc alloys with nickel, cobalt or iron

STI/33

**BS ISO 16000-8:2007**

Indoor air. Determination of local mean ages of air in buildings for characterizing ventilation conditions

EH/2/5

**BS ISO 16260:2016**

Paper and board. Determination of internal bond strength

PAI/11

**BS ISO 16702:2007**

Workplace air quality. Determination of total organic isocyanate groups in air using 1-(2-methoxyphenyl) piperazine and liquid chromatography

EH/2/2

**BS ISO 16878:2016**

Iron ores. Determination of metallic iron content. Iron(III) chloride titrimetric method

ISE/58

**BS ISO 16900-8:2015**

Respiratory protective devices. Methods of test and test equipment. Measurement of RPD air flow rates of assisted filtering RPD

PH/4

**BS ISO 16900-9:2015**

Respiratory protective devices. Methods of test and test equipment. Determination of carbon dioxide content of the inhaled gas

PH/4

**BS ISO 16900-10:2015**

Respiratory protective devices. Methods of test and test equipment. Resistance to ignition, flame, radiant heat and heat

PH/4

**BS ISO 16900-13:2015**

Respiratory protective devices. Methods of test and test equipment. RPD using regenerated breathable gas and special application mining escape RPD: Consolidated test for gas concentration, temperature, humidity, work of breathing, breathing resistance, el

PH/4

**BS ISO 16957:2016**

Measurement of apparent thermal conductivity of wet porous building materials by a periodic method

B/540/8

**BS ISO 17313:2004**

Soil quality. Determination of hydraulic conductivity of saturated porous materials using a flexible wall permeameter

EH/4

**BS ISO 17382:2007**

Oil of magnolia flower, China type (Michelia x alba DC)

AW/54

**BS ISO 17485:2006**

Bevel gears. ISO system of accuracy

MCE/5/-/2

**BS ISO 17561:2016**

Fine ceramics (advanced ceramics, advanced technical ceramics). Test method for elastic moduli of monolithic ceramics at room temperature by sonic resonance

RPI/13

**BS ISO 17586:2016**

Soil quality. Extraction of trace elements using dilute nitric acid

EH/4

**BS ISO 17745:2016**

Steel wire ring net panels. Definitions and specifications

ISE/106

**BS ISO 17746:2016**

Steel wire rope net panels and rolls. Definitions and specifications

ISE/106

**BS ISO 17853:2011**

Wear of implant materials. Polymer and metal wear particles. Isolation and characterization

CH/150/4

**BS ISO 17972-2:2016**

Graphic technology. Colour data exchange format (CxF/X). Scanner target data (CxF/X-2)

PAI/43

**BS ISO 18163:2016**

Clothing. Digital fittings. Vocabulary and terminology used for the virtual garment

TCI/66/-/3

**BS ISO 18620:2016**

Graphic technology. Prepress data exchange. Tone adjustment curves exchange

PAI/43

**BS ISO 18644:2016**

Fertilizers and soil conditioners. Controlled-release fertilizer. General requirements

CI/37

**BS ISO 18653:2003**

Gears. Evaluation of instruments for the measurement of individual gears

MCE/5/-/2

**BS ISO 18762:2016**

Tubes of titanium and titanium alloys. Welded tubes for condensers and heat exchangers. Technical delivery conditions

NFE/35

**BS ISO 18831:2016**

Clothing. Digital fittings. Attributes of virtual garments

TCI/66/-/3

**BS ISO 18886:2016**

Refractory test-piece preparation. Gunning refractory panels by wet gunning techniques

RPI/1

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[www.bsigroup.com/shop](http://www.bsigroup.com/shop)

**BS ISO 19445:2016**

Graphic technology. Metadata for graphic arts workflow. XMP metadata for image and document proofing

PAI/43

**BS ISO 19604:2018**

Fine ceramics (advanced ceramics, advanced technical ceramics). Mechanical properties of ceramic composites at high temperature. Determination of stress-rupture time diagram under constant tensile loading

RPI/13

**BS ISO 19635:2016**

Fine ceramics (advanced ceramics, advanced technical ceramics). Test method for antifungal activity of semiconducting photocatalytic materials

RPI/13

**BS ISO 19732:2007**

Equipment for crop protection. Sprayer filters. Colour coding for identification

AGE/15

**BS ISO 20280:2007**

Soil quality. Determination of arsenic, antimony and selenium in aqua regia soil extracts with electrothermal or hydride-generation atomic absorption spectrometry

EH/4

**BS ISO 21809-4:2009**

Petroleum and natural gas industries. External coatings for buried or submerged pipelines used in pipeline transportation systems. Polyethylene coatings (2-layer PE)

PSE/17/2

**BS ISO 22048:2004**

Surface chemical analysis. Information format for static secondary-ion mass spectrometry

CIU/60

**BS ISO 23013:2016**

Road vehicles. Determination of resistance to forced entry of security glass constructions used in vehicle glazing. Test of glazing systems

AUE/1

**BS ISO 24409-2:2014**

Ships and marine technology. Design, location and use of shipboard safety signs, safety-related signs, safety notices and safety markings. Catalogue

SME/32

**BS ISO 27027:2014**

Aerospace. Solid-state remote power controllers. General performance requirements

ACE/6

**BS ISO 29262:2011**

Production equipment for microsystems. Interface between end effector and handling system

MTE/1

**BS ISO 29861:2009**

Document management applications. Quality control for scanning office documents in colour

IDT/1

**BS 6049-3:1994**

(ISO 9768:1994)  
Methods of test for tea. Determination of water extract

AW/8

**BS 6049-9:1999**

(ISO 15598:1999)  
Methods of test for tea. Determination of crude fibre content

AW/8

**BS 6319-2:1983**

Testing of resin and polymer/cement compositions for use in construction. Method for measurement of compressive strength

B/517/8

**BS 6319-3:1990**

Testing of resin and polymer/cement compositions for use in construction. Methods for measurement of modulus of elasticity in flexure and flexural strength

B/517/8

**BS 6319-5:1984**

Testing of resin and polymer/cement compositions for use in construction. Methods for determination of density of hardened resin compositions

B/517/8

**BS 6319-6:1984**

Testing of resin and polymer/cement compositions for use in construction. Method for determination of modulus of elasticity in compression

B/517/8

**BS 6920-2.5:2000+A2:2014**

Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water. Methods of test

EH/6

**BS 6986-1:1988**

(ISO 7516-1984)  
Analysis of instant tea. Methods of sampling

AW/8

**BS 7373-1:2001**

Guide to the preparation of specifications. Guide to preparation

TPR/1/7

**BS 7373-2:2001**

Product specifications. Guide to identifying criteria for a product specification and to declaring product conformity

TPR/1/7

**BS 7373-3:2005**

Product specifications. Guide to identifying criteria for specifying a service offering

TPR/1/7

**BS 7804-1:1995**

(ISO 9884-1:1994)  
Tea sacks. Specification for a reference sack for palletized and containerized transport of tea

AW/8

**BS 7804-2:1999**

(ISO 9884-2:1999)  
Tea sacks. Performance specification for sacks for palletized and containerized transport of tea

AW/8

**BS 8423:2010+A1:2016**

Fireguards for fires and heating appliances for domestic use. Specification

CW/1

**PD CEN/TS 16817-1:2015**

Ambient air. Monitoring the effects of genetically modified organisms (GMO). Pollen monitoring. Technical pollen sampling using pollen mass filter (PMF) and Sigma-2-sampler

EH/2/3

**PD CEN/TS 17171:2018**

Management of observed hydrometric data. Recommendations

CPI/113

**PD CEN/TS 17174:2018**

Animal feeding stuffs: Methods of sampling and analysis. Performance criteria for single laboratory validated and ring-trial validated methods of analysis for the determination of heavy metals

AW/10

**PD CEN ISO/TS 15874-7:2018**

Plastics piping systems for hot and cold water installations. Polypropylene (PP). Guidance for the assessment of conformity

PRI/88/2

**PD CEN ISO/TS 15875-7:2018**

Plastics piping systems for hot and cold water installations. Crosslinked polyethylene (PE-X). Guidance for the assessment of conformity

PRI/88/2

**PD CEN ISO/TS 15876-7:2018**

Plastics piping systems for hot and cold water installations. Polybutylene (PB). Guidance for the assessment of conformity

PRI/88/2

**PD CEN ISO/TS 15877-7:2018**

Plastics piping systems for hot and cold water installations. Chlorinated poly(vinyl chloride) (PVC-C). Guidance for the assessment of conformity

PRI/88/2

**PD ISO/TS 13399-201:2014**

Cutting tool data representation and exchange. Creation and exchange of 3D models. Regular inserts

MTE/18

**PD ISO/TS 16506:2017**

Dentistry. Polymer-based luting materials containing adhesive components

CH/106/1

**PD ISO/TS 19046-1:2017**

Cheese. Determination of propionic acid level by chromatography. Method by gas chromatography

AW/5

**PD ISO/TS 19046-2:2017**

Cheese. Determination of propionic acid level by chromatography. Method by ion exchange chromatography

AW/5

**PD ISO/TS 19159-3:2018**

Geographic information. Calibration and validation of remote sensing imagery sensors and data. SAR/InSAR

IST/36

**PD ISO/TS 19930:2017**

Guidance on aspects of a risk-based approach to assuring sterility of terminally sterilized, single-use health care product that is unable to withstand processing to achieve maximally a sterility assurance level of 10<sup>-6</sup>

CH/198

**PD ISO/TS 30410:2018**

Human resource management. Impact of hire metric

HCS/1/2

**CEN/TS 17171:2018**

Management of observed hydrometric data. Recommendations

CPI/113

**CEN/TS 17174:2018**

Animal feeding stuffs: Methods of sampling and analysis. Performance criteria for single laboratory validated and ring-trial validated methods of analysis for the determination of heavy metals

AW/10

**ISO 105-D02:2016**

Textiles. Tests for colour fastness. Colour fastness to rubbing: Organic solvents

TCI/81

**ISO 105-G01:2016**

Textiles. Tests for colour fastness. Colour fastness to nitrogen oxides

TCI/81

**ISO 105-G04:2016**

Textiles. Tests for colour fastness. Colour fastness to nitrogen oxides in the atmosphere at high humidities

TCI/81

**ISO 105-X12:2016**

Textiles. Tests for colour fastness. Colour fastness to rubbing

TCI/81

**ISO 105-X16:2016**

Textiles. Tests for colour fastness. Colour fastness to rubbing. Small areas

TCI/81

**ISO 683-1:2016**

Heat-treatable steels, alloy steels and free-cutting steels. Non-alloy steels for quenching and tempering

ISE/105

**ISO 2157:2016**

Dentistry. Nominal diameters and designation code numbers for rotary instruments

CH/106/4

**ISO 3040:2016**

Geometrical product specifications (GPS). Dimensioning and tolerancing. Cones

TPR/1

**ISO 3917:2016**

Road vehicles. Safety glazing materials. Test methods for resistance to radiation, high temperature, humidity, fire and simulated weathering

AUE/1

**ISO 3008-3:2016**

Fire resistance tests. Door and shutter assemblies horizontally oriented

FSH/22

**ISO 4829-2:2016**

Steels. Determination of total silicon contents. Reduced molybdosilicate spectrophotometric method. Silicon contents between 0,01 % and 0,05 %

ISE/102

**ISO 4938:2016**

Steel and iron. Determination of nickel content. Gravimetric or titrimetric method

ISE/102

**ISO 4939:2016**

Steel. Determination of nickel. Dimethylglyoxime spectrophotometric method

ISE/102

**ISO 4942:2016**

Steels and irons. Determination of vanadium content. N-BPHA spectrophotometric method

ISE/102

**ISO 4946:2016**

Steel and cast iron. Determination of copper. 2,2'-Biquinoline spectrophotometric method

ISE/102

**ISO 4955:2016**

Heat-resistant steels

ISE/105

**ISO 5667-4:2016**

Water quality. Sampling. Guidance on sampling from lakes, natural and man-made

EH/3/6

**ISO 5667-24:2016**

Water quality. Sampling. Guidance on the auditing of water quality sampling

EH/3/6

**ISO 6874:2015**

Dentistry. Polymer-based pit and fissure sealants

CH/106/1

**ISO 6931-1:2016**

Stainless steels for springs. Wire

ISE/105

**ISO 7121:2016**

Steel ball valves for general-purpose industrial applications

PSE/18/1

**ISO 7206-13:2016**

Implants for surgery. Partial and total hip joint prostheses. Determination of resistance to torque of head fixation of stemmed femoral components

CH/150/4

**ISO 7787-1:2016**

Dentistry. Laboratory cutters. Steel laboratory cutters

CH/106/4

**ISO 8049:2016**

Ferronickel shot. Sampling for analysis

I/-

**ISO 8254-2:2016**

Paper and board. Measurement of specular gloss. 75° gloss with a parallel beam, DIN method

PAI/11

**ISO 8254-3:2016**

Paper and board. Measurement of specular gloss. 20° gloss with a converging beam, TAPPI method

PAI/11

**ISO 8528-8:2016**

Reciprocating internal combustion engine driven alternating current generating sets. Requirements and tests for low-power generating sets

MCE/14

**ISO 8528-13:2016**

Reciprocating internal combustion engine driven alternating current generating sets. Safety

MCE/14

**ISO 8653:2016**

Jewellery. Ring-sizes. Definition, measurement and designation

STI/53

**ISO 8812:2016**

Earth-moving machinery. Backhoe loaders. Terminology and commercial specifications

B/513/1

**ISO 10656:2016**

Resistance welding equipment. Transformers. Integrated transformers for welding guns

WEE/29

**ISO 11111-1:2016**

Textile machinery. Safety requirements. Common requirements

TCI/33

**ISO 11418-7:2016**

Containers and accessories for pharmaceutical preparations. Screw-neck vials made of glass tubing for liquid dosage forms

CH/212

**ISO 12641-1:2016**

Graphic technology. Prepress digital data exchange. Colour targets for input scanner calibration. Colour targets for input scanner calibration

PAI/43

**ISO 13073-3:2016**

Ships and marine technology. Risk assessment on anti-fouling systems on ships. Human health risk assessment method of biocidally active substances used in anti-fouling paints on ships during the application and removal processes

SME/32

**ISO 13543:2016**

Copper, lead, zinc and nickel sulfide concentrates. Determination of mass of contained metal in a lot

NFE/36

**ISO 14122-1:2016**

Safety of machinery. Permanent means of access to machinery. Choice of fixed means and general requirements of access

B/208/1

**ISO 14122-2:2016**

Safety of machinery. Permanent means of access to machinery. Working platforms and walkways

B/208/1

**ISO 14122-3:2016**

Safety of machinery. Permanent means of access to machinery. Stairs, stepladders and guard-rails

B/208/1

**ISO 14122-4:2016**

Safety of machinery. Permanent means of access to machinery. Fixed ladders

B/208/1

**ISO 14644-1:2015**

Cleanrooms and associated controlled environments. Classification of air cleanliness by particle concentration

LBI/30

**ISO 14644-2:2015**

Cleanrooms and associated controlled environments. Monitoring to provide evidence of cleanroom performance related to air cleanliness by particle concentration

LBI/30

**ISO 14704:2016**

Fine ceramics (advanced ceramics, advanced technical ceramics). Test method for flexural strength of monolithic ceramics at room temperature

RPI/13

**ISO 14820-1:2016**

Fertilizers and liming materials. Sampling and sample preparation. Sampling

CII/37

**ISO 14820-2:2016**

Fertilizers and liming materials. Sampling and sample preparation. Sample preparation

CII/37

**ISO 15604:2016**

Fertilizers. Determination of different forms of nitrogen in the same sample, containing nitrogen as nitric, ammoniacal, urea and cyanamide nitrogen

CII/37

**ISO 15614-8:2016**

Specification and qualification of welding procedures for metallic materials. Welding procedure test. Welding of tubes to tube-plate joints

WEE/36

**ISO/TS 15874-7:2018**

Plastics piping systems for hot and cold water installations. Polypropylene (PP). Guidance for the assessment of conformity

PRI/88/2

**ISO/TS 15875-7:2018**

Plastics piping systems for hot and cold water installations. Crosslinked polyethylene (PE-X). Guidance for the assessment of conformity

PRI/88/2

**ISO/TS 15876-7:2018**

Plastics piping systems for hot and cold water installations. Polybutene (PB). Guidance for the assessment of conformity

PRI/88/2

**ISO/TS 15877-7:2018**

Plastics piping systems for hot and cold water installations. Chlorinated poly(vinyl chloride) (PVC-C). Guidance for the assessment of conformity

PRI/88/2

**ISO 16260:2016**

Paper and board. Determination of internal bond strength

PAI/11

**ISO/TS 16506:2017**

Dentistry. Polymer-based luting materials containing adhesive components

CH/106/1

**ISO 16878:2016**

Iron ores. Determination of metallic iron content. Iron(III) chloride titrimetric method

ISE/58

**ISO 16900-9:2015**

Respiratory protective devices. Methods of test and test equipment. Determination of carbon dioxide content of the inhaled gas

PH/4

**ISO 16900-10:2015**

Respiratory protective devices. Methods of test and test equipment. Resistance to ignition, flame, radiant heat and heat

PH/4

**ISO 16900-13:2015**

Respiratory protective devices. Methods of test and test equipment. RPD using regenerated breathable gas and special application mining escape RPD: Consolidated test for gas concentration, temperature, humidity, work of breathing, breathing resistance, el

PH/4

**ISO 16957:2016**

Measurement of apparent thermal conductivity of wet porous building materials by a periodic method

B/540/8

**ISO 17450-3:2016**

Geometrical product specifications (GPS). General concepts. Toleranced features

TPR/1

**ISO 17561:2016**

Fine ceramics (advanced ceramics, advanced technical ceramics). Test method for elastic moduli of monolithic ceramics at room temperature by sonic resonance

RPI/13

**ISO 17562:2016**

Fine ceramics (advanced ceramics, advanced technical ceramics). Test method for linear thermal expansion of monolithic ceramics by push-rod technique

RPI/13

**ISO 17586:2016**

Soil quality. Extraction of trace elements using dilute nitric acid

EH/4

**ISO 17662:2016**

Welding. Calibration, verification and validation of equipment used for welding, including ancillary activities

WEE/-1

**ISO 17745:2016**

Steel wire ring net panels. Definitions and specifications

ISE/106

**ISO 17746:2016**

Steel wire rope net panels and rolls. Definitions and specifications

ISE/106

**ISO 17972-2:2016**

Graphic technology. Colour data exchange format (CxF/X). Scanner target data (CxF/X-2)

PAI/43

**ISO 17989-1:2015**

Tractors and machinery for agriculture and forestry. Sustainability. Principles

AGE/6

**ISO 18163:2016**

Clothing. Digital fittings. Vocabulary and terminology used for the virtual garment

TCI/66/-3

**ISO 18254-1:2016**

Textiles. Method for the detection and determination of alkylphenol ethoxylates (APEO). Method using HPLC-MS

TCI/80

**ISO 18556:2016**

Dentistry. Intraoral spatulas

CH/106/4

**ISO 18620:2016**

Graphic technology. Prepress data exchange. Tone adjustment curves exchange

PAI/43



**ISO 18644:2016**

Fertilizers and soil conditioners. Controlled-release fertilizer. General requirements

CII/37

**ISO 18762:2016**

Tubes of titanium and titanium alloys. Welded tubes for condensers and heat exchangers. Technical delivery conditions

NFE/35

**ISO 18831:2016**

Clothing. Digital fittings. Attributes of virtual garments

TCI/66/-/3

**ISO 18886:2016**

Refractory test-piece preparation. Gunning refractory panels by wet gunning techniques

RPI/1

**ISO/TS 19046-1:2017**

Cheese. Determination of propionic acid level by chromatography. Method by gas chromatography

AW/5

**ISO/TS 19046-2:2017**

Cheese. Determination of propionic acid level by chromatography. Method by ion exchange chromatography

AW/5

**ISO/TS 19159-3:2018**

Geographic information. Calibration and validation of remote sensing imagery sensors and data. SAR/InSAR

IST/36

**ISO 19445:2016**

Graphic technology. Metadata for graphic arts workflow. XMP metadata for image and document proofing

PAI/43

**ISO 19604:2018**

Fine ceramics (advanced ceramics, advanced technical ceramics). Mechanical properties of ceramic composites at high temperature. Determination of stress-rupture time diagram under constant tensile loading

RPI/13

**ISO 19635:2016**

Fine ceramics (advanced ceramics, advanced technical ceramics). Test method for antifungal activity of semiconducting photocatalytic materials

RPI/13

**ISO/TS 19930:2017**

Guidance on aspects of a risk-based approach to assuring sterility of terminally sterilized, single-use health care product that is unable to withstand processing to achieve maximally a sterility assurance level of 10<sup>-6</sup>

CH/198

**ISO 21013-3:2016**

Cryogenic vessels. Pressure-relief accessories for cryogenic service. Sizing and capacity determination

PVE/18

**ISO 22034-2:2016**

Steel wire and wire products. Tolerances on wire dimensions

ISE/106

**ISO/TS 22391-7:2018**

Plastics piping systems for hot and cold water installations. Polyethylene of raised temperature resistance (PE-RT). Guidance for the assessment of conformity

PRI/88/2

**ISO 23013:2016**

Road vehicles. Determination of resistance to forced entry of security glass constructions used in vehicle glazing. Test of glazing systems

AUE/1

**ISO 25178-1:2016**

Geometrical product specifications (GPS). Surface texture: Areal. Indication of surface texture

TPR/1

**ISO 25475:2016**

Fertilizers. Determination of ammoniacal nitrogen

CII/37

**ISO 25705:2016**

Fertilizers. Determination of urea condensates using high-performance liquid chromatography (HPLC). Isobutylidenediurea and crotonylidenediurea (method A) and methylenurea oligomers (method B)

CII/37

**ISO/TS 30410:2018**

Human resource management. Impact of hire metric

HCS/1/2

**BRITISH STANDARDS PROPOSED FOR WITHDRAWAL**

A note of any objections to these withdrawals should be sent to Debbie Stead, Associate Director of Operations, BSI Group, 389 Chiswick High Road, London W4 4AL or via email to [BSUKoperations.review@bsigroup.com](mailto:BSUKoperations.review@bsigroup.com) by **31 October 2021**.

Where any standard in this list has been amended since publication, a proposal to withdraw also includes all amendments published to date.

**BS ISO 16853:2010**

Textile machinery. Sliver cans, rectangular. Main dimensions and tolerances

TCI/33

**BRITISH STANDARDS WITHDRAWN**

If any standard in this list has been amended since publication, all amendments published to date are also withdrawn

**BS EN 81-22:2014**

Safety rules for the construction and installation of lifts. Lifts for the transport of persons and goods. Electric lifts with inclined path

MHE/4

*Superseded by BS EN 81-22:2021*

**BS EN ISO 787-2:1995**

General methods of test for pigments and extenders. Determination of matter volatile at 105°C

STI/1

*Formerly BS 3483:Part B6:1982.. Superseded by BS EN ISO 787-2:2021*

**BS EN IEC 60794-1-31:2018**

Optical fibre cables. Generic specification. Optical cable elements. Optical fibre ribbon

GEL/86/1

*Superseded by BS EN IEC 60794-1-31:2021*

**BS EN 1366-4:2006+A1:2010**

Fire resistance tests for service installations. Linear joint seals

FSH/22

*Superseded by BS EN 1366-4:2021*

**BS EN 1397:2015**

Heat exchangers. Hydronic room fan coil units. Test procedures for establishing the performance

RHE/17

*Superseded by BS EN 1397:2021*

**BS EN 1555-1:2010**

Plastics piping systems for the supply of gaseous fuels. Polyethylene (PE). General

PRI/88/2

*Superseded by BS EN 1555-1:2021*

**BS EN 1555-2:2010**

Plastics piping systems for the supply of gaseous fuels. Polyethylene (PE). Pipes

PRI/88/2

*Superseded by BS EN 1555-2:2021*

**BS EN 1555-3:2010+A1:2012**

Plastics piping systems for the supply of gaseous fuels. Polyethylene (PE). Fittings

PRI/88/2

*Superseded by BS EN 1555-3:2021*

**BS EN 1555-5:2010**

Plastics piping systems for the supply of gaseous fuels. Polyethylene (PE). Fitness for purpose of the system

PRI/88/2

*Superseded by BS EN 1555-5:2021*

**BS EN 1756-1:2001+A1:2008**

Tail lifts. Platform lifts for mounting on wheeled vehicles. Safety requirements. Tail lifts for goods

MHE/12

*Superseded by BS EN 1756-1:2021*

**BS EN ISO 5470-2:2003**

Rubber- or plastics-coated fabrics. Determination of abrasion resistance. Martindale abrader

TCI/24

Superseded by BS EN ISO 5470-2:2021

**BS EN ISO 6888-1:1999+A2:2018**

Microbiology of food and animal feeding stuffs. Horizontal method for the enumeration of coagulase-positive staphylococci (*Staphylococcus aureus* and other species). Technique using Baird-Parker agar medium

AW/9

Superseded by BS EN ISO 6888-1:2021

**BS EN ISO 6888-2:1999**

Microbiology of food and animal feeding stuffs. Horizontal method for the enumeration of coagulase-positive staphylococci (*Staphylococcus aureus* and other species). Technique using rabbit plasma fibrinogen agar medium

AW/9

Superseded by BS EN ISO 6888-2:2021

**BS EN ISO 7539-9:2008**

Corrosion of metals and alloys. Stress corrosion testing. Preparation and use of pre-cracked specimens for tests under rising load or rising displacement

ISENFE/8

Formerly BS ISO 7539-9:2003.. Superseded by BS EN ISO 7539-9:2021

**BS EN ISO 7668:2018**

Anodizing of aluminium and its alloys. Measurement of specular reflectance and specular gloss of anodic oxidation coatings at angles of 20 degrees, 45 degrees, 60 degrees or 85 degrees

STI/33

Superseded by BS EN ISO 7668:2021

**BS EN ISO 10360-10:2016**

Geometrical product specifications (GPS). Acceptance and reverification tests for coordinate measuring systems (CMS). Laser trackers for measuring point-to-point distances

TPR/1

Superseded by BS EN ISO 10360-10:2021

**BS EN ISO 10619-2:2018**

Rubber and plastics hoses and tubing. Measurement of flexibility and stiffness. Bending tests at sub-ambient temperatures

PR1/66

Superseded by BS EN ISO 10619-2:2021

**BS EN ISO 11855-1:2015**

Building environment design. Design, dimensioning, installation and control of embedded radiant heating and cooling systems. Definition, symbols, and comfort criteria

RHE/24

Superseded by BS EN ISO 11855-1:2021

**BS EN ISO 11855-3:2015**

Building environment design. Design, dimensioning, installation and control of embedded radiant heating and cooling systems. Design and dimensioning

RHE/24

Superseded by BS EN ISO 11855-3:2021

**BS EN ISO 11855-4:2015**

Building environment design. Design, dimensioning, installation and control of embedded radiant heating and cooling systems. Dimensioning and calculation of the dynamic heating and cooling capacity of Thermo Active Building Systems (TABS)

RHE/24

Superseded by BS EN ISO 11855-4:2021

**BS EN ISO 11855-5:2015**

Building environment design. Design, dimensioning, installation and control of embedded radiant heating and cooling systems. Installation

RHE/24

Superseded by BS EN ISO 11855-5:2021

**BS EN 12331:2015**

Food processing machinery. Mincing machines. Safety and hygiene requirements

MCE/3/5

Superseded by BS EN 12331:2021

**BS EN 12353:2013**

Chemical disinfectants and antiseptics. Preservation of test organisms used for the determination of bactericidal (including *Legionella*), mycobactericidal, sporicidal, fungicidal and virucidal (including bacteriophages) activity

CH/216

Superseded by BS EN 12353:2021

**BS EN 12447:2021**

Geotextiles and geotextile-related products. Screening test method for determining the resistance to hydrolysis in water

B/553

Superseded by BS EN 12447:2021

**BS EN 12464-1:2011**

Light and lighting. Lighting of work places. Indoor work places

EL/1

Superseded by BS EN 12464-1:2021

**BS EN ISO 12625-7:2014**

Tissue paper and tissue products. Determination of optical properties. Measurement of brightness and colour with D65/10° (outdoor daylight)

PAI/11

Superseded by BS EN ISO 12625-7:2021

**BS EN 12809:2001+A1:2004**

Residential independent boilers fired by solid fuel. Nominal heat output up to 50 kW. Requirements and test methods

RHE/28

Superseded by BS EN 16510-1:2018

**BS EN 12815:2001+A1:2004**

Residential cookers fired by solid fuel. Requirements and test methods

RHE/28

Superseded by BS EN 16510-1:2018

**BS EN ISO 13000-1:2005**

Plastics. Polytetrafluoroethylene (PTFE) semi-finished products. Requirements and designation

PR1/82

Superseded by BS EN ISO 13000-1:2021

**BS EN ISO 13000-2:2005**

Plastics. Polytetrafluoroethylene (PTFE) semi-finished products. Preparation of test specimens and determination of properties

PR1/82

Superseded by BS EN ISO 13000-2:2021

**BS EN 13229:2001+A2:2004**

Inset appliances including open fires fired by solid fuels. Requirements and test methods

RHE/28

Superseded by BS EN 16510-1:2018

**BS EN 13240:2001+A2:2004**

Room heaters fired by solid fuel. Requirements and test methods

RHE/28

Superseded by BS EN 16510-1:2018

**BS EN 13617-3:2012**

Petrol filling stations. Safety requirements for construction and performance of shear valves

PVE/393

Superseded by BS EN 13617-3:2021

**BS EN 14254:2004**

In vitro diagnostic medical devices. Single-use receptacles for the collection of specimens, other than blood, from humans

CH/212

Superseded by BS EN ISO 6717:2021

**BS EN 15169:2007**

Characterization of waste. Determination of loss on ignition in waste, sludge and sediments

B/508/3

Superseded by BS EN 15935:2021

**BS EN 15927:2010**

Services offered by hearing aid professionals

EH/1/1

Superseded by BS EN ISO 21388:2021

**BS EN 15935:2012**

Sludge, treated biowaste, soil and waste. Determination of loss on ignition

EH/4

Superseded by BS EN 15935:2021

**BS EN ISO 17664:2017**

Processing of health care products. Information to be provided by the medical device manufacturer for the processing of medical devices. Devices that require cleaning followed by disinfection and/or sterilization

CH/198

Superseded by BS EN ISO 17664-1:2021

**BS EN ISO 18513:2003**

Tourism services. Hotels and other types of tourism accommodation. Terminology

SVS/2

Superseded by BS EN ISO 18513:2021

**BS EN ISO 21563:2013**

Dentistry. Hydrocolloid impression materials

CH/106/2

Superseded by BS EN ISO 21563:2021

**BS EN ISO 39993:2012**

Textiles. Qualification symbols for labelling workwear to be industrially laundered

TCI/82

Formerly BS ISO 39993:2010. Superseded by BS EN ISO 30023:2021

**BS EN 50491-6-1:2014**

General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS). HBES installations. Installation and planning

IST/6/-12

Superseded by BS EN IEC 63044-6:2021

**BS EN 50524:2009**

Data sheet and name plate for photovoltaic inverters

GEL/82

Superseded by BS EN 50524:2021

**BS EN 60332-3-10:2009**

Tests on electric and optical fibre cables under fire conditions. Test for vertical flame spread of vertically-mounted bunched wires or cables.

Apparatus

GEL/20/18

Superseded by BS EN IEC 60332-3-10:2018

**BS EN 60332-3-21:2009**

Tests on electric and optical fibre cables under fire conditions. Test for vertical flame spread of vertically-mounted bunched wires or cables. Category A F/R

GEL/20/18

Superseded by BS EN IEC 60332-3-21:2018

**BS EN 60332-3-22:2009**

Tests on electric and optical fibre cables under fire conditions. Test for vertical flame spread of vertically-mounted bunched wires or cables. Category A

GEL/20/18

Superseded by BS EN IEC 60332-3-22:2018

**BS EN 60332-3-23:2009**

Tests on electric and optical fibre cables under fire conditions. Test for vertical flame spread of vertically-mounted bunched wires or cables. Category B

GEL/20/18

Superseded by BS EN IEC 60332-3-23:2018

**BS EN 60332-3-24:2009**

Tests on electric and optical fibre cables under fire conditions. Test for vertical flame spread of vertically-mounted bunched wires or cables. Category C

GEL/20/18

Superseded by BS EN IEC 60332-3-24:2018

**BS EN 60332-3-25:2009**

Tests on electric and optical fibre cables under fire conditions. Test for vertical flame spread of vertically-mounted bunched wires or cables. Category D

GEL/20/18

Superseded by BS EN IEC 60332-3-25:2018

**BS EN 60335-1:2012+A13:2017**

Household and similar electrical appliances. Safety. General requirements

CPL/61

Superseded by BS EN 60335-1:2012+A2:2019

**BS EN 60335-2-4:2010+A1:2015**

Household and similar electrical appliances. Safety. Particular requirements for spin extractors

CPL/61

Superseded by BS EN 60335-2-4:2010+A11:2018

**BS EN 60335-2-109:2010**

Household and similar electrical appliances. Safety. Particular requirements for UV radiation water treatment appliances

CPL/61/1

Superseded by BS EN 60335-2-109:2010+A2:2018

**BS EN 60384-1:2016**

Fixed capacitors for use in electronic equipment. Generic specification

WI-

Superseded by BS EN IEC 60384-1:2021

**BS EN 60384-24:2015**

Fixed capacitors for use in electronic equipment. Sectional specification. Surface mount fixed tantalum electrolytic capacitors with conductive polymer solid electrolyte

WI-

Superseded by BS EN IEC 60384-24:2021

**BS EN 60384-25:2015**

Fixed capacitors for use in electronic equipment. Sectional specification. Surface mount fixed aluminium electrolytic capacitors with conductive polymer solid electrolyte

WI-

Superseded by BS EN IEC 60384-25:2021

**BS EN 60404-11:2013**

Magnetic materials. Method of test for the determination of surface insulation resistance of magnetic sheet and strip

ISE/108

Superseded by BS EN IEC 60404-11:2021

**BS EN 60445:2017**

Basic and safety principles for man-machine interface, marking and identification. Identification of equipment terminals, conductor terminations and conductors

GEL/3

Superseded by BS EN IEC 60445:2021

**BS EN 60455-3-8:2013**

Resin based reactive compounds used for electrical insulation. Specifications for individual materials. Sheet 8: Resins for cable accessories

GEL/15

Superseded by BS EN IEC 60455-3-8:2021

**BS EN 60601-1-11:2015**

Medical electrical equipment. General requirements for basic safety and essential performance. Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment

CH/62/1

Superseded by BS EN 60601-1-11:2015+A1:2021

**BS EN 60601-2-1:2015**

Medical electrical equipment. Particular requirements for the basic safety and essential performance of electron accelerators in the range 1 MeV to 50 MeV

CH/62/3

Superseded by BS EN IEC 60601-2-1:2021

**BS EN 60601-2-19:2009+A1:2016**

Medical electrical equipment. Particular requirements for the basic safety and essential performance of infant incubators

CH/62/4

Superseded by BS EN IEC 60601-2-19:2021

**BS EN 60601-2-21:2009+A1:2016**

Medical electrical equipment. Particular requirements for the basic safety and essential performance of infant radiant warmers

CH/62/4

Superseded by BS EN IEC 60601-2-21:2021

**BS EN 60601-2-50:2009+A1:2016**

Medical electrical equipment. Particular requirements for the basic safety and essential performance of infant phototherapy equipment

CH/62/4

Superseded by BS EN IEC 60601-2-50:2021

**BS EN 60695-4:2012**

Fire hazard testing. Terminology concerning fire tests for electrotechnical products

GEL/89

Superseded by BS EN IEC 60695-4:2021

**BS EN 60851-1:1996+A2:2009**

Winding wires. Test methods. General

LI/99

Formerly BS EN 60851-1:1998. Superseded by BS EN IEC 60851-1:2021

**BS EN 60938-1:2000**

(IEC 60938-1:1999)

Fixed inductors for electromagnetic interference suppression. Generic specification

WI-

Superseded by BS EN IEC 60938-1:2021

**BS EN 60938-2:2000**

(IEC 60938-2:1999)

Fixed inductors for electromagnetic interference suppression. Sectional specification

WI-

Superseded by BS EN IEC 60938-2:2021

**BS EN 61280-1-3:2010**

Fibre optic communication subsystem test procedures. General communication subsystems. Central wavelength and spectral width measurement

GEL/86/3

Superseded by BS EN IEC 61280-1-3:2021

**BS EN 61300-3-7:2012**

Fibre optic interconnecting devices and passive components. Basic test and measurement procedures. Examinations and measurements. Wavelength dependence of attenuation and return loss of single mode components

GEL/86/2

Superseded by BS EN IEC 61300-3-7:2021

**BS EN 61318:2008**

Live working. Conformity assessment applicable to tools, devices and equipment

PEL/78

Superseded by BS EN IEC 61318:2021

**BS EN 61724-1:2017**

Photovoltaic system performance. Monitoring  
GEL/82  
*Superseded by BS EN IEC 61724-1:2021*

**BS EN 61760-2:2007**

Surface mounting technology. Transportation and storage conditions of surface mounting devices (SMD). Application guide  
EPL/501  
*Superseded by BS EN IEC 61760-2:2021*

**BS EN 61760-3:2010**

Surface mounting technology. Standard method for the specification of components for through hole reflow (THR) soldering  
EPL/501  
*Superseded by BS EN IEC 61760-3:2021*

**BS EN 61936-1:2010+A1:2014**

Power installations exceeding 1 kV a.c. Common rules  
PEL/99  
*Superseded by BS EN IEC 61936-1:2021*

**BS EN 61993-2:2013**

Maritime navigation and radiocommunication equipment and systems. Automatic Identification Systems (AIS). Class A shipborne equipment of the automatic identification system (AIS). Operational and performance requirements, methods of test and performance test  
EPL/80  
*Superseded by BS EN IEC 61993-2:2018*

**BS EN 62056-3-1:2014**

Electricity metering data exchange. The DLMS/COSEM suite. Use of local area networks on twisted pair with carrier signalling  
PEL/13  
*Superseded by BS EN IEC 62056-3-1:2021*

**BS EN 62061:2005+A2:2015**

Safety of machinery. Functional safety of safety-related electrical, electronic and programmable electronic control systems  
MCE/3  
*Superseded by BS EN IEC 62061:2021*

**BS EN 62271-100:2009+A2:2017**

High-voltage switchgear and controlgear. Alternating-current circuit-breakers  
PEL/17  
*Superseded by BS EN IEC 62271-100:2021*

**BS EN 62442-2:2014+A11:2017**

Energy performance of lamp controlgear. Controlgear for high intensity discharge lamps (excluding fluorescent lamps). Method of measurement to determine the efficiency of the controlgear  
CPL/34/3  
*Superseded by BS EN IEC 62442-2:2018*

**BS EN 60068-2-21:2006**

Environmental testing. Tests. Test U: Robustness of terminations and integral mounting devices  
EPL/501  
*Superseded by BS EN IEC 60068-2-21:2021*

**BS EN 80601-2-35:2009+A1:2016**

Medical electrical equipment. Particular requirements for the basic safety and essential performance of heating devices using blankets, pads and mattresses and intended for heating in medical use  
CH/62/4  
*Superseded by BS EN IEC 60601-2-35:2021*

**BS IEC 62530:2011**

SystemVerilog. Unified hardware design, specification, and verification language  
EPL/501  
*Superseded by BS IEC 62530:2021*

**BS IEC 63999:2016**

Identification and communication interoperability method for external power supplies used with portable computing devices  
EPL/100  
*Superseded by BS EN IEC 63999:2021*

**BS ISO 1143:2010**

Metallic materials. Rotating bar bending fatigue testing  
ISE/101/6  
*Superseded by BS ISO 1143:2021*

**BS ISO 2403:2014**

Textiles. Cotton fibres. Determination of micronaire value  
TCI/24  
*Superseded by BS ISO 2403:2021*

**BS ISO 2889:2010**

Sampling airborne radioactive materials from the stacks and ducts of nuclear facilities  
NCE/2  
*Superseded by BS ISO 2889:2021*

**BS ISO 4000-1:2015**

Passenger car tyres and rims. Tyres (metric series)  
AUE/4  
*Superseded by BS ISO 4000-1:2021*

**BS ISO 4568:2006**

Shipbuilding. Sea-going vessels. Windlasses and anchor capstans  
SME/32  
*Superseded by BS ISO 4568:2021*

**BS ISO 6622-1:2003**

Internal combustion engines. Piston rings. Rectangular rings made of cast iron  
MCE/14/-/10  
*Superseded by BS ISO 6622-1:2021*

**BS ISO 7299-2:2009**

Diesel engines. End-mounting flanges for pumps. High-pressure supply pumps for common rail fuel injection systems  
MCE/22  
*Superseded by BS ISO 7299-2:2021*

**BS ISO/IEC 7816-8:2019**

Identification cards. Integrated circuit cards. Commands and mechanisms for security operations  
IST/17  
*Superseded by BS ISO/IEC 7816-8:2021*

**BS ISO 9982:1998**

Belt drives. Pulleys and V-ribbed belts for industrial applications. PH, PJ, PK, PL and PM profiles. Dimensions  
MCE/10  
*Superseded by BS ISO 9982:2021*

**BS ISO 10191:2010**

Passenger car tyres. Verifying tyre capabilities. Laboratory test methods  
AUE/4  
*Superseded by BS ISO 10191:2021*

**BS ISO 10261:2002+A1:2015**

Earth-moving machinery. Product identification numbering system  
B/513/1  
*Superseded by BS ISO 10261:2021*

**BS ISO 11901-3:2014**

Tools for pressing. Gas springs. Gas spring with increased spring force and compact built height  
MTE/12  
*Superseded by BS ISO 11901-3:2021*

**BS ISO 11901-4:2014**

Tools for pressing. Gas springs. Gas springs with increased spring force and same built height  
MTE/12  
*Superseded by BS ISO 11901-4:2021*

**BS ISO 12219-1:2012**

Indoor air of road vehicles. Whole vehicle test chamber. Specification and method for the determination of volatile organic compounds in cabin interiors  
EH/2/3  
*Superseded by BS ISO 12219-1:2021*

**BS ISO 13988:2008**

Passenger vehicle wheels. Clip balance weight and rim flange nomenclature, test procedures and performance requirements  
AUE/4  
*Superseded by BS ISO 13988:2021*

**BS ISO 14298:2013**

Graphic technology. Management of security printing processes  
PAI/43  
*Superseded by BS ISO 14298:2021*

**BS ISO 15177:2012**

Hot-rolled twin-roll cast carbon steel sheet of commercial quality  
ISE/109  
*Superseded by BS ISO 15177:2021*

**BS ISO 15230:2007**

Mechanical vibration and shock. Coupling forces at the man-machine interface for hand-transmitted vibration  
GME/21/6  
*Superseded by BS ISO 15230-1:2021*

**BS ISO 16000-6:2011**

Indoor air. Determination of volatile organic compounds in indoor and test chamber air by active sampling on Tenax TA sorbent, thermal desorption and gas chromatography using MS or MS-FID  
EH/2/3  
*Superseded by BS ISO 16000-6:2021*

**BS ISO 16438:2012**

Agricultural irrigation equipment. Thermoplastic collapsible hoses for irrigation. Specifications and test methods

AGE/30

*Superseded by BS ISO 16438:2021*

**BS ISO 16632:2013**

Tobacco and tobacco products. Determination of water content. Gas-chromatographic method

AW/40

*Superseded by BS ISO 16632:2021*

**BS ISO 18436-1:2012**

Condition monitoring and diagnostics of machines. Requirements for qualification and assessment of personnel. Requirements for assessment bodies and the assessment process

GME/21/7

*Superseded by BS ISO 18436-1:2021*

**BS ISO 18669-1:2013**

Internal combustion engines. Piston pins. General specifications

MCE/14/-/10

*Superseded by BS ISO 18669-1:2021*

**BS ISO 18804:2017**

Rims for agricultural, forestry and construction machines

AUE/4

*Superseded by BS ISO 18804:2021*

**BS ISO 21047:2009**

Information and documentation. International standard text code (ISTC)

IDT/2/18

*This standard is withdrawn the withdrawal of base international standard ISO 21047:2009 on 9 August 2021*

**BS ISO 22514-7:2012**

Statistical methods in process management. Capability and performance. Capability of measurement processes

SS/4

*Superseded by BS ISO 22514-7:2021*

**BS ISO 22669:2013**

Space data and information transfer systems. Space link extension (SLE). Return-all-frames service

ACE/68

*Superseded by BS ISO 22669:2021*

**BS ISO 23081-2:2009**

Information and documentation. Managing metadata for records. Conceptual and implementation issues

IDT/2/17

*Superseded by BS ISO 23081-2:2021*

**BS ISO 23274-2:2012**

Hybrid-electric road vehicles. Exhaust emissions and fuel consumption measurements. Externally chargeable vehicles

PEL/69

*Superseded by BS ISO 23274-2:2021*

**BS ISO 24095:2009**

Workplace air. Guidance for the measurement of respirable crystalline silica

EH/2/2

*Superseded by BS ISO 24095:2021*

**BS ISO/IEC 29142-1:2013**

Information technology. Print cartridge characterization. General: terms, symbols, notations and cartridge characterization framework

IST/3

*Superseded by BS ISO/IEC 29142-1:2021*

**BS 1016-108.3:1995**

(ISO 567:1995)

Methods for analysis and testing of coal and coke. Tests special to coke. Determination of bulk density (small container)

PTI/16

*Superseded by BS ISO 567:2021*

**BS 4401-17:1998**

(ISO 13493:1998)

Methods of test for meat and meat products. Determination of chloramphenicol content (liquid chromatographic method)

AW/6

*Superseded by BS ISO 13493:2021*

**BS 5671:1979**

(IEC 60545:1976)

Guide for commissioning, operation and maintenance of hydraulic turbines

MCE/15

*Superseded by BS EN IEC 60545:2021*

**BS 5839-9:2011**

Fire detection and fire alarm systems for buildings. Code of practice for the design, installation, commissioning and maintenance of emergency voice communication systems

FSH/12/5

*Superseded by BS 5839-9:2021*

**BS 5911-1:2002+A2:2010**

Concrete pipes and ancillary concrete products. Specification for unreinforced and reinforced concrete pipes (including jacking pipes) and fittings with flexible joints (complementary to BS EN 1916:2002)

B/505

*Superseded by BS 5911-1:2021*

**BS 5911-6:2004+A1:2010**

Concrete pipes and ancillary concrete products. Specification for road gullies and gully cover slabs

B/505

*Superseded by BS 5911-6:2021*

**BS 7533-1:2001**

Pavements constructed with clay, natural stone or concrete pavers. Guide for the structural design of heavy duty pavements constructed of clay pavers or precast concrete paving blocks

B/507

*Superseded by BS 7533-101:2021*

**BS 7533-2:2001**

Pavements constructed with clay, natural stone or concrete pavers. Guide for the structural design of lightly trafficked pavements constructed of clay pavers or precast concrete paving blocks

B/507

*Superseded by BS 7533-101:2021*

**BS 7533-8:2003**

Pavements constructed with clay, natural stone or concrete pavers. Guide for the structural design of lightly trafficked pavements of precast concrete flags and natural stone flags

B/507

*Superseded by BS 7533-101:2021*

**BS 7533-10:2010**

Pavements constructed with clay, natural stone or concrete pavers. Guide for the structural design of trafficked pavements constructed of natural stone setts and bound construction with concrete paving blocks

B/507

*Superseded by BS 7533-101:2021*

**BS 7533-12:2006**

Pavements constructed with clay, natural stone or concrete pavers. Guide to the structural design of trafficked pavements constructed on a bound base using concrete paving flags and natural stone slabs

B/507

*Superseded by BS 7533-101:2021*

**BS 7645:1993**

(IEC 60757:1983)

Code for designation of colours

GEL/3

*Superseded by BS EN IEC 60757:2021*

**BS 661210:2018**

Graduated compression hosiery, anti-embolism hosiery and graduated support hosiery. Specification. Graduated compression hosiery, anti-embolism hosiery and graduated support hosiery \* Specification

CH/205/1

*Superseded by BS 6612:1985, BS 7672:1993 and BS 7563:1999*

**PD CEN/TR 16915:2015**

Postal Services. Quality of service. Damage to postal items

SVS/4

*This standard is withdrawn as from Projex Online this TR was withdrawn by CEN 2020-01-23*

**Help Us to Help  
You!**

**Always quote your  
Customer Number**

**Don't know your  
number?**

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**PD CLC/TR 50600-99-1:2020**

Information technology. Data centre facilities and infrastructures. Recommended practices for energy management

TCT/7

Superseded by PD CLC/TR 50600-99-1:2021

**PD CLC/TR 50600-99-2:2019**

Information technology. Data centre facilities and infrastructures. Recommended practices for environmental sustainability

TCT/7

Superseded by PD CLC/TR 50600-99-2:2021

**PD IEC/TS 61970-600-1:2017**

Energy management system application program interface (EMS-API). Common Grid Model Exchange Specification (CGMES). Structure and rules

PEL/57

Superseded by BS EN IEC 61970-600-1:2021

**PD IEC/TS 61970-600-2:2017**

Energy management system application program interface (EMS-API). Common Grid Model Exchange Specification (CGMES). Exchange profiles specification

PEL/57

Superseded by BS EN IEC 61970-600-2:2021

**PD CLC/TR 62541-1:2010**

OPC unified architecture. Overview and concepts

GEL/65/3

Superseded by PD CLC IEC/TR 62541-1:2021

**PD IEC/TR 62999-1:2016**

High-voltage direct current (HVDC) systems. Guidance to the specification and design evaluation of AC filters. Overview

PEL/22

Superseded by PD IEC TR 62999-1:2021

**PD ISO/TS 17137:2019**

Cardiovascular implants and extracorporeal systems. Cardiovascular absorbable implants

CH/150/2

Superseded by PD ISO/TS 17137:2021

**PD ISO/IEC TR 19075-1:2011**

Information technology. Database languages. SQL technical reports. XQuery regular expression support in SQL

IST/40

Superseded by BS ISO/IEC 19075-1:2021

**PD ISO/IEC TR 19075-2:2015**

Information technology. Database languages. SQL Technical Reports. SQL Support for Time-Related Information

IST/40

Superseded by BS ISO/IEC 19075-2:2021

**PD ISO/IEC TR 19075-3:2015**

Information technology. Database languages. SQL Technical Reports. SQL Embedded in Programs using the Java™ programming language

IST/40

Superseded by BS ISO/IEC 19075-3:2021

**PD ISO/IEC TR 19075-4:2015**

Information technology. Database languages. SQL Technical Reports. SQL with Routines and types using the Java™ programming language

IST/40

Superseded by BS ISO/IEC 19075-4:2021

**PD ISO/IEC TR 19075-5:2016**

Information technology. Database languages. SQL Technical Reports. Row Pattern Recognition in SQL

IST/40

Superseded by BS ISO/IEC 19075-5:2021

**PD ISO/IEC TR 19075-6:2017**

Information technology. Database languages. SQL Technical Reports. SQL support for JavaScript Object Notation (JSON)

IST/40

Superseded by BS ISO/IEC 19075-6:2021

**PD ISO/IEC TR 19075-7:2017**

Information technology. Database languages. SQL Technical Reports. Polymorphic table functions in SQL

IST/40

Superseded by BS ISO/IEC 19075-7:2021

**PD ISO/IEC TR 19075-8:2019**

Information technology database languages. SQL technical reports. Multi-dimensional arrays (SQL/MDA)

IST/40

Superseded by BS ISO/IEC 19075-8:2021

**PD ISO/TR 22930-1:2020**

Evaluating the performance of continuous air monitors. Air monitors based on accumulation sampling techniques

NCE/2

Superseded by PD CEN ISO/TR 22930-1:2021

**BRITISH STANDARDS UNDER REVIEW**

The following British Standards implement International and/or European Standards which are currently under review to see if they should be confirmed, revised or withdrawn.

Comments should be sent to Debbie Stead, Associate Director of Operations, BSI Group, 389 Chiswick High Road, London W4 4AL or via email to BSUKoperations.review@bsigroup.com by **31 October 2021**, in order to be considered by the relevant UK Committee.

**BS ISO 24018:2020**

Jewellery and precious metals. Specifications for 1 kilogram gold bar

STI/53

**NEW WORK STARTED**

The reference number of the committee responsible for each item of new work started is given after each entry.

Where a work item has the temporary designation "EN XXXX", it has not yet been allocated a standard number by the European standards body.

All national standards (BS XXXX), apart from corrigenda, will be issued for public comment in due course. All drafts for public comment are available at <http://drafts.bsigroup.com>, where you can register and comment free of charge.

**EN 19**

Industrial valves. Marking of metallic valves will supersede BS EN 19:2016  
PSE/18/1

**EN WI 99978588**

Intelligent transport systems. eSafety. eCall OAD for equipment limitations will supersede None  
EPL/278

**EN 302-3**

Adhesives for load-bearing timber structures. Test methods. Determination of the effect of acid damage to wood fibres by temperature and humidity cycling on the transverse tensile strength will supersede BS EN 302-3:2017  
PRI/52

**EN 480-1**

Admixtures for concrete, mortar and grout. Test methods. Reference concrete and reference mortar for testing will supersede None  
B/517/3

**EN 480-15**

Admixtures for concrete, mortar and grout. Test methods. Reference concrete and method for testing viscosity modifying admixtures will supersede None  
B/517/3

**EN ISO 788**

Ultramarine pigments will supersede BS ISO 788:2021  
STI/1

**EN 927-14**

Paints and varnishes. Coating materials and coating systems for exterior wood. Determination of tensile properties of coating films will supersede None  
STI/28

**EN IEC 62040-1:2019+A11:2021/A12**

Uninterruptible power systems (UPS). Safety requirements will supersede None  
PEL/22

**EN 1501-4**

Refuse collection vehicles and their associated lifting devices. General requirements and safety requirements. Noise test code for refuse collection vehicles

will supersede BS EN 1501-4:2007

B/508/1

**EN 1502**

Inland navigation vessels. Boarding stairs

will supersede None

SME/32

**EN 1594**

Gas infrastructure. Pipelines for maximum operating pressure over 16 bar. Functional requirements

will supersede BS EN 1594:2013

GSE/33

**EN 1860-2**

Appliances, solid fuels and firelighters for barbecuing. Barbecue charcoal and barbecue charcoal briquettes. Requirements and test methods

will supersede None

RHE/28/1

**EN 1860-3**

Appliances, solid fuels and firelighters for barbecuing. Firelighters for igniting solid fuels for use in barbecue appliances. Requirement sand test methods

will supersede None

RHE/28/1

**EN 1860-4**

Appliances, solid fuels and firelighters for barbecuing. Single use barbecues burning solid fuels. Requirements and test methods

will supersede None

RHE/28/1

**EN 1888-3**

Wheeled child conveyances. Pushchairs for heavier children intended for sport activities

will supersede None

CW/1

**EN ISO 3691-4**

Industrial trucks. Safety requirements and verification. Driverless industrial trucks and their systems

will supersede BS EN ISO 3691-4:2020

MHE/7

**EN 4258**

Aerospace series. Metallic materials. General organization of standardization. Link between types of European Standards and their use

will supersede None

ACE/61

**EN ISO 4618**

Paints and varnishes. Terms and definitions

will supersede BS EN ISO 4618:2014

STI/10

**EN 4863**

Rotorcraft. Constant Wear Lifejackets. Requirements, testing and marking

will supersede None

ACE/1

**EN ISO 9073-1**

Nonwovens. Test methods. Determination of mass per unit area

will supersede None

TCI/100

**EN ISO 9073-3**

Nonwovens. Test methods. Determination of tensile strength and elongation

will supersede None

TCI/100

**EN ISO 9073-13**

Nonwovens. Test methods. Repeated liquid strike-through time

will supersede BS EN ISO 9073-13:2007

TCI/100

**EN ISO 9073-14**

Nonwovens. Test methods. Coverstock wetback

will supersede BS EN ISO 9073-14:2007

TCI/100

**EN ISO 9073-18**

Nonwovens. Test methods. Determination of breaking strength and elongation of nonwoven materials using the grab tensile test

will supersede BS EN ISO 9073-18:2008

TCI/100

**EN ISO 9241-394**

Ergonomics of human-system interaction. Ergonomic requirements for reducing undesirable biomedical effects of visually induced motion sickness during watching electronic images

will supersede None

IST/15

**EN ISO 9241-940**

Ergonomics of human-computer interaction. Evaluation of tactile and haptic interactions

will supersede None

IST/15

**EN ISO 9241-971**

Ergonomics of human-system interaction. Accessibility of tactile/haptic interactive systems

will supersede None

IST/15

**EN 10278**

Dimensions and tolerances of bright stainless and other cold drawn products

will supersede None

ISE/105

**EN 12004-3**

Adhesives for ceramic tiles. Terminology, specifications, designation and marking

will supersede None

B/539

**EN 13204**

Powered rescue tools for fire and rescue service use. Safety and performance requirements

will supersede None

FSH/17

**EN 13281**

Inland navigation vessels. Safety requirements for walkways and working places

will supersede None

SME/32

**EN 13288**

Food processing machinery. Bowl lifting and tilting machines. Safety and hygiene requirements

will supersede None

MCE/3/5

**EN ISO 13297:2020/A1**

Small craft. Electrical systems. Alternating and direct current installations

will supersede BS EN ISO 13297:2021

GME/33

**EN 13442**

Wood flooring and wood panelling and cladding. Determination of the resistance to chemical agents

will supersede BS EN 13442:2013

B/543

**EN 13489**

Wood-flooring and parquet. Multi-layer parquet elements

will supersede BS EN 13489:2017

B/543

**EN 13922:2020/A1**

Tanks for transport of dangerous goods. Service equipment for tanks. Overfill prevention systems for liquid fuels

will supersede BS EN 13922:2020

AUE/18

**EN 13979-1**

Railway applications. Wheelsets and bogies. Monobloc Wheels. Technical approval procedure. Forged and rolled wheels

will supersede BS EN 13979-1:2020

RAE/3/-1

**EN 14033-1**

Railway applications. Infrastructure. Railbound construction and maintenance machines. Technical requirements for running

will supersede BS EN 14033-1:2017

RAE/2

**EN 14033-2**

Railway applications. Infrastructure. Railbound construction and maintenance machines. Technical requirements for travelling and working

will supersede BS EN 14033-2:2017

RAE/2

**EN 14033-3**

Railway applications. Infrastructure. Railbound construction and maintenance machines. General safety requirements

will supersede BS EN 14033-3:2017

RAE/2

**EN 14236**

Ultrasonic domestic gas meters

will supersede None

GSE/25

**EN 14363:2016+A1:2018/A2**

Railway applications. Testing and Simulation for the acceptance of running characteristics of railway vehicles. Running Behaviour and stationary tests

will supersede BS EN 14363:2016+A1:2018

RAE/1/-/8

**EN 14470-1**

Fire safety storage cabinets. Safety storage cabinets for flammable liquids

will supersede None

LBI/1/1

**EN 14570**

LPG equipment and accessories. Equipping of overground and underground LPG vessels

will supersede BS EN 14570:2014

PVE/19

**EN ISO 14644-5**

Cleanrooms and associated controlled environments. Operations

will supersede BS EN ISO 14644-5:2004

LBI/30

**EN 14682**

Safety of children's clothing. Cords and drawstrings on children's clothing. Specifications

will supersede BS EN 14682:2014

TCI/66/-/2

**EN 14770**

Bitumen and bituminous binders. Determination of complex shear modulus and phase angle. Dynamic Shear Rheometer (DSR)

will supersede BS EN 14770:2012

PTI/13

**EN 14891-2**

Liquid applied water impermeable products for use beneath ceramic tiling bonded with adhesives. Terminology, specifications, designation and marking

will supersede None

B/539

**EN 15016-1**

Railway applications. Technical documents. General Principles

will supersede BS EN 15016-1:2004

RAE/1

**EN 15016-2**

Railway applications. Technical documents. Parts lists

will supersede BS EN 15016-2:2004

RAE/1

**EN 15016-3**

Railway applications. Technical documents. Handling of modifications of technical documents

will supersede BS EN 15016-3:2004

RAE/1

**EN 15194:2017/A1**

Cycles. Electrically power assisted cycles. EPAC Bicycles

will supersede BS EN 15194:2017

GME/25

**EN 15218**

Air conditioners and liquid chilling packages with evaporatively cooled condenser and with electrically driven compressors for space cooling. Terms, definitions, test conditions, test methods and requirements

will supersede None

RHE/17

**EN 15313**

Railway applications. In-service wheelset operation requirements. In-service and off-vehicle wheelset maintenance

will supersede BS EN 15313:2016

RAE/3/-/1

**EN 15316-4-2**

Energy performance of buildings. Method for calculation of system energy requirements and system efficiencies. Space heating generation systems, heat pump systems, Module M3-8-2, M8-8-2

will supersede None

RHE/24

**EN 15316-5**

Energy performance of buildings. Method for calculation of system energy requirements and system efficiencies. Space heating and DHW storage systems (not cooling), Module M3-7, M8-7

will supersede None

RHE/24

**EN 16272-1**

Railway applications. Infrastructure. Noise barriers and related devices acting on airborne sound propagation. Test method for determining the acoustic performance. Intrinsic characteristics. Sound absorption in the laboratory under diffuse sound field conditions

will supersede BS EN 16272-1:2012

RAE/2

**EN 16272-2**

Railway applications. Infrastructure. Noise barriers and related devices acting on airborne sound propagation. Test method for determining the acoustic performance. Intrinsic characteristics. Airborne sound insulation in the laboratory under diffuse sound field conditions

will supersede BS EN 16272-2:2012

RAE/2

**EN 16272-3-1**

Railway applications. Infrastructure. Noise barriers and related devices acting on airborne sound propagation. Test method for determining the acoustic performance. Intrinsic characteristics. Normalized railway noise spectrum and single number ratings for diffuse sound field applications

will supersede BS EN 16272-3-1:2012

RAE/2

**EN 16272-3-2**

Railway applications. Infrastructure. Noise barriers and related devices acting on airborne sound propagation. Test method for determining the acoustic performance. Normalized railway noise spectrum and single number ratings for direct field applications

will supersede BS EN 16272-3-2:2014

RAE/2

**EN 16272-5**

Railway applications. Infrastructure. Noise barriers and related devices acting on airborne sound propagation. Test method for determining the acoustic performance. Intrinsic characteristics. Sound absorption under direct sound field conditions

will supersede PD CEN/TS 16272-5:2014

RAE/2

**EN 16272-6**

Railway applications. Infrastructure. Noise barriers and related devices acting on airborne sound propagation. Test method for determining the acoustic performance. Intrinsic characteristics. In situ values of airborne sound insulation under direct sound field conditions

will supersede BS EN 16272-6:2014

RAE/2

**EN 16668**

Industrial valves. Requirements and testing for metallic valves as pressure accessories

will supersede BS EN 16668:2016+A1:2018

PSE/18/1

**EN 16905-5**

Gas-fired endothermic engine driven heat pumps. Calculation of seasonal performances in heating and cooling mode

will supersede None

GSE/37

**EN 16986**

Electronic fee collection. Interoperable application profiles for information exchange between Service Provision and Toll Charging

will supersede None

EPL/278

**EN 17361**

Inland navigation vessels. Outboard ladders

will supersede None

SME/32

**EN ISO 17751-1**

Textiles. Quantitative analysis of cashmere, wool, other specialty animal fibers and their blends. Light microscopy method

will supersede BS EN ISO 17751-2:2016

TCI/80



**EN ISO 17751-2**

Textiles. Quantitative analysis of cashmere, wool, other specialty animal fibers and their blends. Scanning electron microscopy method  
will supersede BS EN ISO 17751-2:2016

TCI/80

**EN 17795**

Entertainment Technology. Codes of Practice. Lifting and motion Operations in the Event Industry

will supersede None

MHE/3/13

**EN 17800**

Life cycle cost (LCC) and Life cycle assessment (LCA) for ductile iron pipe systems

will supersede None

PSE/10

**EN ISO 19157-3**

Geographic information. Data quality. Data quality measures register

will supersede None

IST/36

**EN ISO 21420:2020/A1**

Protective gloves. General requirements and test methods

will supersede None

PH/3

**EN ISO 25197:2020/A1**

Small craft. Electrical/electronic control systems for steering, shift and throttle

will supersede BS EN ISO 25197:2020

GME/33

**EN 60512-28-100**

Connectors for electrical and electronic equipment. Tests and measurements. Signal integrity tests up to 2 000 MHz- Tests 28a to 28g

will supersede None

EPL/48

**EN 61169-72**

Radio-Frequency Connectors. Sectional specification for Precision SMP3 series coaxial connectors as test connector

will supersede None

EPL/46

**EN 61300-2-11 E**

Fibre optic interconnecting devices and passive components. Basic test and measurement procedures. Tests. Axial compression

will supersede None

GEL/86/2

**EN 61442 Ed 3.0**

Test methods for accessories for power cables with rated voltages from 6 kV ( $U_m = 7, 2$  kV) up to 30 kV ( $U_m = 36$  kV)

will supersede BS EN 61442:2005

GEL/20/11

**EN 61558-2-20**

Safety of transformers; reactors; power supply units and combinations thereof. Particular requirements and tests for small reactors

will supersede BS EN 61558-2-20:2011

PEL/96

**EN 61851-23-3**

Electric vehicle conductive charging system. DC electric vehicle supply equipment for Megawatt charging systems

will supersede None

PEL/69

**EN 62271-102:2002+A2:2013/A3**

High-voltage switchgear and controlgear. Alternating current disconnectors and earthing switches

will supersede BS EN IEC 62271-102:2018

PEL/17

**EN 62282-3-100**

Fuel cell technologies. Stationary fuel cell power systems. Safety

will supersede BS EN IEC 62282-3-100:2020

GEL/105

**EN 62620:2015/A1**

Secondary cells and batteries containing alkaline or other non-acid electrolytes. Secondary lithium cells and batteries for use in industrial applications

will supersede BS EN 62620:2015

PEL/21

**EN 62841-4-6**

Electric motor-operated hand-held tools; transportable tools and lawn and garden machinery. Safety. Particular requirements for garden blowers; garden vacuums and garden blower/vacuums

will supersede None

CPL/116

**EN 62841-4-7**

Electric motor-operated hand-held tools; transportable tools and lawn and garden machinery. Safety. Particular requirements for pedestrian controlled walk-behind lawn scarifiers and aerators

will supersede None

CPL/116

**EN 63232-1-2**

Live working. Hand protective devices against the thermal hazards of an electric arc directed arc (box test)

will supersede None

PEL/78

**EN 63281-2-1**

Personal e-Transporters. Test method for total run time of e-scooter with consideration to environmental conditions of actual use

will supersede None

PEL/69

**EN 63378-3**

Thermal standardization on semiconductor packages. Thermal circuit simulation models of semiconductor packages for transient analysis

will supersede None

EPL/47

**EN 63405**

High-voltage test techniques. Dielectric loss measurements proposed horizontal standard

will supersede None

PEL/42

**EN 63407**

Conductive charging of electric vehicles. Contact interface for automated connection device (ACD)

will supersede None

PEL/23/3

**EN 63408**

Optical transmission systems using RFOG technology (WG5)

will supersede None

EPL/100

**EN 63409-1**

Photovoltaic power generating systems connection with grid. Conformity assessment for power conversion equipment. Overall description of conformity assessment for grid connection

will supersede None

GEL/82

**EN 63409-4**

Photovoltaic power generating systems connection with grid. Conformity assessment for power conversion equipment. Interface protection and fault ride through

will supersede None

GEL/82

**EN 63409-6**

Photovoltaic power generating systems connection with grid. Conformity assessment for power conversion equipment. Power control functions and grid support

will supersede None

GEL/82

**EN 60068-2-17**

Basic environmental testing procedures. Tests. Test Q. Sealing

will supersede BS EN 60068-2-17:1995

GEL/104

**EN 60068-3-1**

Environmental testing. Supporting documentation and guidance. Cold and dry heat tests

will supersede BS EN 60068-3-1:2011

GEL/104

**EN 60068-3-4**

Environmental testing. Supporting documentation and guidance. Damp heat tests

will supersede BS EN 60068-3-4:2002

GEL/104

**ISO 2328**

Fork-lift trucks. Hook-on type fork arms and fork arm carriages. Mounting dimensions

will supersede BS ISO 2328:2011

MHE/7

**ISO 4906**

Fine-cut tobacco. Determination of filling power for preparation of fine-cut tobacco smoking articles. Constant-weight pressurization

will supersede None

AW/40

**ISO 5103**

Tourism and related services. Dry stack boat storage. Minimum requirements for operations and service provision

will supersede None  
SVS/2/11

**ISO 5489**

Ships and marine technology. Embarkation ladders

will supersede None  
SME/32

**ISO 5861**

Surface chemical analysis. X-ray photoelectron spectroscopy. Method of intensity calibration for quartz-crystal monochromated Al K $\alpha$  XPS instruments

will supersede None  
CIU/60

**ISO 6819**

Steel wire rod for bridge cable wire

will supersede None  
ISE/106

**ISO 7097-2**

Nuclear fuel technology. Determination of uranium in solutions, uranium hexafluoride and solids. Iron(II) reduction/ cerium(IV) oxidation titrimetric method

will supersede None  
NCE/9

**ISO 7209**

Titanium and titanium alloys-Plate, sheet and strip-Technical delivery conditions

will supersede None  
NFE/35

**ISO 7217**

Titanium and titanium alloys. Bar, rod and billet-Technical delivery conditions

will supersede None  
NFE/35

**ISO 7582**

Metallic coatings for electromagnetic interference shielding. Designation and characterization method

will supersede None  
STI/33

**ISO 7683**

Design guidelines and test methods for removable shrink labels applied to plastic bottles

will supersede None  
PKW/0/-/10

**ISO 7935**

Stationary source emissions. Determination of the mass concentration of sulfur dioxide in flue gases. Performance characteristics of automated measuring systems

will supersede None  
EH/2/1

**ISO 7972**

Adhesives. Absorption of water into an adhesive layer using an open-faced specimen and determination of shear strength by secondary bonding

will supersede None  
PRI/75

**ISO 7010:2019/A128**

Graphical symbols. Safety colours and safety signs. Registered safety signs

will supersede None  
PH/8/1

**ISO 7010:2019/A129**

Graphical symbols. Safety colours and safety signs. Registered safety signs

will supersede None  
PH/8/1

**ISO 7010:2019/A130**

Graphical symbols. Safety colours and safety signs. Registered safety signs

will supersede None  
PH/8/1

**ISO 7010:2019/A131**

Graphical symbols. Safety colours and safety signs. Registered safety signs

will supersede None  
PH/8/1

**ISO 8025**

Ergonomics of the thermal environment. Management of working conditions in hot environments

will supersede None  
PH/9/-/1

**ISO 8057**

Determination of galvanic corrosion rate for assembled forms of carbon fibre reinforced plastics (CFRPs) and protection-coated metal. Electrochemical tests in neutral sodium chloride solution

will supersede None  
PRI/42

**ISO 8060**

Composites and reinforcements fibres. Carbon fibre reinforced plastics (CFRPs) and metal assemblies. Characterization of durability of adhesive interfaces by wedge rupture test

will supersede None  
PRI/42

**ISO 8065**

Composites and reinforcements fibres. Mechanoluminescent visualization method of crack propagation for joint evaluation

will supersede None  
PRI/42

**ISO 8181**

Atomic Layer Deposition. Terminology

will supersede None  
STI/33

**ISO 8237-1**

Optical materials and components. Specification of chalcogenide glass used in the infrared spectrum. Definitions and general

will supersede None  
CPW/172

**ISO/IEC 8652**

Information technology. Programming languages. Ada

will supersede BS ISO/IEC 8652:2012  
IST/5

**ISO 11311:2011/A1**

Nuclear criticality safety. Critical values for homogeneous plutonium-uranium oxide fuel mixtures outside of reactors

will supersede BS ISO 11311:2011  
NCE/9

**ISO 12480-1**

Cranes. Safe use. General

will supersede None  
MHE/3/11

**ISO 12759-6**

Fans. Efficiency classification for fans. Calculation of the fan energy index

will supersede None  
MCE/17

**ISO 13459:2012/A1**

Earth-moving machinery. Trainer seat. Deflection limiting volume, space envelope and performance requirements

will supersede None  
B/513/1

**ISO/IEC 14882**

Programming languages. C++

will supersede BS ISO/IEC 14882:2020  
IST/5

**ISO 15380**

Lubricants, industrial oils and related products (class L). Family H (Hydraulic systems). Specifications for hydraulic fluids in categories HETG, HEPG, HEES and HEPR

will supersede BS ISO 15380:2016  
PTI/2

**ISO 16840-6**

Wheelchair seating. Simulated use and determination of the changes in properties of seat cushions

will supersede BS ISO 16840-6:2015  
CH/173/1

**ISO/IEC 18042-5**

Information technology. Computer graphics and image processing. Spatial Reference Model (SRM) language bindings. C++

will supersede None  
IST/31/2

**ISO 19123-3**

Geographic information. Schema for coverage geometry and functions. Processing fundamentals

will supersede None  
IST/36

**ISO 20715**

Tea classification  
will supersede None  
AW/8

**ISO 20766-6:2019/A1**

Road vehicles. Liquefied petroleum gas (LPG) fuel systems components. Pressure relief valves (PRV)  
will supersede BS ISO 20766-6:2019  
GSE/40

**ISO 21978**

Heat pump water heater. Testing and rating at. Part load conditions and calculation of seasonal coefficient of performance for space heating  
will supersede BS ISO 21978:2021  
RHE/17

**ISO 22705-3**

Springs. Measurement and test parameters. Cold formed cylindrical helical torsion springs  
will supersede None  
FME/9/3

**ISO 24438**

Ships and marine technology. Maritime education and training. Maritime career guidance  
will supersede None  
SME/32

**ISO 24505-2**

Ergonomics. Accessible design. Method for creating colour combinations. For people with defective colour vision and people with low vision  
will supersede None  
PH/9/-1

**ISO 24644**

Mass customization value chain management  
will supersede None  
AMT/5

**ISO 24682**

Ships and marine technology. Technical requirements for B-class fire-resistant compartment system of composite rock wool panel  
will supersede None  
SME/32

**6349-1-1**

Maritime works. General. Code of practice for assessment of actions  
will supersede BS 6349-1-1:2013  
CB/502

**8298-5**

Design and installation of natural stone cladding and lining. Traditional handset internal cladding  
will supersede None  
B/545

**8437**

Code of practice for selection, use and maintenance of personal fall protection systems and equipment for use in the workplace  
will supersede BS 8437:2005+A1:2012  
PH/5

**40102-1**

Health and well-being and indoor environmental quality in buildings. Health and well-being in buildings  
will supersede None  
CB/401

**CEN/TS XXX**

Organic, organo-mineral and inorganic fertilizers. Detection of Enterococcaceae  
will supersede None  
CI/37

**CEN/TS 9241-126**

Ergonomics of human-system interaction. Guidance on the presentation of auditory information  
will supersede None  
IST/15

**CEN/TS 21356-1**

Structural characterization of graphene. Graphene from powders and dispersions  
will supersede None  
NT/1

**CLC/TS 50677**

Clothes washing machines and washer-dryers for household and similar use. Method for the determination of rinsing effectiveness by measurement of the surfactant content at textile materials  
will supersede PD CLC/TS 50677:2019  
CPL/59

**CLC/TS 50712**

overhead lines on electrified roads  
will supersede None  
GEL/9

**IEC/TR 61294**

Insulating liquids. Determination of the partial discharge inception voltage (PDIV). Test procedure  
will supersede None  
GEL/10

**IEC/TS 62271-320**

High-voltage switchgear and controlgear. Environmental aspects and life cycle assessment rules  
will supersede None  
PEL/17

**IEC/TS 62818-1**

Conductors for overhead lines. Fiber reinforced composite core used as supporting member material. Polymeric Matrix Composite Cores  
will supersede None  
GEL/7

**IEC/TR 62977-1-31:2021/A1**

Electronic displays. Generic. Practical information on the use of light measuring devices  
will supersede PD IEC TR 62977-1-31:2021  
EPL/47

**IEC/TR 63410**

Decentralized electrical energy systems roadmap  
will supersede None  
GEL/8

**IEC/TR 63411**

Grid Connection of Offshore Wind via VSC-HVDC System  
will supersede None  
GEL/8

**ISO/P 8235**

Road vehicles. Taxonomy and definitions for terms related to adaptive in-vehicle information systems  
will supersede None  
AUE/12

**ISO/TR 5863**

Integrative design of the building envelope. General principles  
will supersede None  
RHE/2

**ISO/TR 6409**

Road vehicles. Analysis of technical changes of ISO 5011:2020  
will supersede None  
MCE/22

**ISO/TS 7126**

Information and documentation. Records management capability assessment model  
will supersede None  
IDT/2/17

**ISO/TR 7655**

Corrosion of metals and alloys- Guidelines for metal corrosion protection when using disinfectants  
will supersede None  
ISENFE/8

**ISO/TR 7872**

Intelligent transport systems. Mobility integration. Digital infrastructure service role and functional model for urban ITS service applications  
will supersede None  
EPL/278

**ISO/TS 8231**

Road vehicles. Requirements for automotive display systems  
will supersede None  
AUE/1

**ISO/TS 8438**

Road vehicles. Modeling approach for driver distraction assessment  
will supersede None  
AUE/12

**ISO/TR 9839**

Road vehicles. Application of predictive maintenance to hardware with ISO 26262-5  
will supersede None  
AUE/32

**ISO/IEC/TR 9858**

Use Cases on Advanced Learning Analytics Services using Emerging Technologies  
will supersede None  
IST/43

**ISO/TR 9968**

Road vehicles. Functional safety. The application to generic rechargeable energy storage systems for new energy vehicle

will supersede None  
AUE/32

**ISO/TS 14644-19**

Cleanrooms and associated controlled environments. General technical requirements of modular isolation units for emergency medical use

will supersede None  
LBI/30

**ISO/TS 17975**

Health informatics. Principles and data requirements for consent in the Collection, Use or Disclosure of personal health information

will supersede PD ISO/TS 17975:2015  
IST/35

**ISO/TS 22175**

Connectors for respiratory devices

will supersede None  
CH/121

**ISO/TR 22251-2**

Application Guideline for use of RFID on Returnable Transport Items. For Plastic RTIs

will supersede None  
PKW/0

**ISO/TS 22298**

Nanotechnologies. Silica nanomaterials. Specifications of characteristics and measurement methods for nanostructured porous silica samples with ordered nanopore array

will supersede None  
NTI/1

**ISO/TR 23148**

Compatibility of lubricants with synthetic male condoms

will supersede None  
CH/157

**ISO/TS 23752**

Clothing. Body shapes. Shape analysis of 3D body scan data

will supersede None  
TCI/66-/3

**ISO/TS 37444**

Electronic fee collection. Charging performance framework

will supersede None  
EPL/278

**BSI FLEX**

**BSI FLEX V1.0**

Built Environment. Informational Management using Building Information Modelling (BIM). Method of Specifying

will supersede none  
ZZ/2

**DRAFT BRITISH STANDARDS FOR PUBLIC COMMENT – NATIONAL BRITISH STANDARDS**

The following national standards have all been issued, or are about to be issued, for public comment. You may comment online on any British Standard of national origin using the Standards Development Portal. You can register to the Standards Development portal at <https://standardsdevelopment.bsigroup.com/> This service is free of charge.

Deadlines for receipt of comments on each of the individual drafts can also be found at <https://standardsdevelopment.bsigroup.com/>

If you would like to receive these drafts in hard copy format, they are available for a fee from BSI Customer Services (see 'How to order' on page 2).

**21/30379517 DC**

BS 8000-8 Workmanship on Construction Sites. Design, installation and finishing of drylining systems. Code of Practice

B/544  
*Comments for the above document are required by 27 October, 2021*

**21/30390982 DC**

BS 8628 Disinfection using ultraviolet radiation. Methods for quantitative testing of automated ultraviolet disinfection activities by direct illumination. Determination of bactericidal, mycobactericidal, sporicidal, yeasticidal, fungicidal, virucidal and phagocidal activities

CH/216  
*Comments for the above document are required by 12 October, 2021*

**21/30422609 DC**

BS 669-1 Flexible hoses, end fittings and sockets for gas burning appliances. Strip-wound metallic flexible hoses, covers, end fittings and sockets for domestic appliances burning 1st, 2nd and 3rd family gases. Specification

GSE/42  
*Comments for the above document are required by 27 October, 2021*

**21/30427944 DC**

BS 1377-2 Methods of test for soils for civil engineering purposes. Classification tests and determination of geotechnical properties

£18.00 members, £36.00 non-members  
B/526/3  
*Comments for the above document are required by 23 October, 2021*

**21/30428100 DC**

BS 9991. Fire safety in the design, management and use of residential buildings. Code of practice

FSH/14  
*Comments for the above document are required by 30 October, 2021*

**21/30428737 DC**

BS 8102 Code of practice for protection of below ground structures against water ingress

B/526  
*Comments for the above document are required by 23 October, 2021*

**21/30430132 DC**

BS 4660 Thermoplastics ancillary fittings of nominal sizes 110 and 160 for below ground gravity drainage and sewerage

PR/88/1  
*Comments for the above document are required by 23 October, 2021*

**DRAFT BRITISH STANDARDS FOR PUBLIC COMMENT – ADOPTIONS**

You may comment online on draft standards issued by BSI, ISO, IEC, CEN and CENELEC at the Standards Development Portal. The purpose of the website is to enhance access to Drafts for Public Comment for the wider community, make comments more visible and move into collaborative working practices. You can register to the Standards Development portal at <https://standardsdevelopment.bsigroup.com/> This service is free of charge.

If a particular draft you are looking for is not included, please contact BSI Customer services to enquire on the availability of the standard.

All draft British Standards are available in hard copy format from BSI Customer Services (see 'How to order' on page 2). Most drafts are charged at £10.00 to members and £20.00 for non-members.

Larger draft documents are charged at a higher price according to the number of pages and, are priced individually below.

Comments on all Draft British Standards are welcome and should be sent to Debbie Stead, Associate Director of Operations, BSI Group, 389 Chiswick High Road, London W4 4AL.

Draft standards may be modified before adoption and issue as British Standards

**21/30325716 DC**

BS ISO 20782 Petroleum products and other liquids. Ethanol. Test method for pH determination of ethanol fuel

PTI/13  
*Comments for the above document are required by 16 October, 2021*

**21/30366756 DC**

BS ISO 23019 Railway Applications. Driving simulator for drivers' training

RAE/1  
*Comments for the above document are required by 18 October, 2021*

**21/30375473 DC**

BS EN ISO 12006-3 Building construction. Organization of information about construction works. Framework for object-oriented information

B/555

*Comments for the above document are required by 2 October, 2021*

**21/30376372 DC**

BS ISO 23318 Milk, dried milk products and cream. Determination of fat content. Gravimetric method

AW/5

*Comments for the above document are required by 23 October, 2021*

**21/30378690 DC**

BS ISO 5776 Graphic technology. Symbols for text proof correction

PAI/43

*Comments for the above document are required by 31 October, 2021*

**21/30379726 DC**

BS ISO/IEC 23385 Information technology. Office equipment. Method for measuring single photo printing time for digital printing devices

IST/3

*Comments for the above document are required by 5 October, 2021*

**21/30381078 DC**

BS IEC 61400 Wind energy generation systems. Design requirements for wind turbine gearboxes

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PEL/88

*Comments for the above document are required by 27 October, 2021*

**21/30385439 DC**

BS ISO 24525 Activities relating to drinking water and wastewater services. Guidelines for the management of basic onsite domestic wastewater services. Operation and maintenance activities

CB/503

*Comments for the above document are required by 31 October, 2021*

**21/30387377 DC**

BS EN 63232-1-1 Live working. Hand protective devices against the thermal Hazards of an electric arc. Test methods. Method 1. Determination of the arc rating (ELIM, ATPV and/or EBT) of hand protective devices using an open arc

PEL/78

*Comments for the above document are required by 20 October, 2021*

**21/30389984 DC**

BS ISO 23806 Ships and marine technology. Cyber safety

SME/32

*Comments for the above document are required by 26 October, 2021*

**21/30390397 DC**

BS ISO/IEC 23488 Information technology. Computer graphics, image processing and environment data representation. Object/Environmental Representation for Image based Rendering in Virtual/Mixed and Augmented Reality (VR/MAR)

IST/31

*Comments for the above document are required by 19 October, 2021*

**21/30394853 DC**

BS EN ISO 23861 Workplace air. Chemical agent present as a mixture of airborne particles and vapours. Requirements for evaluation of measuring procedures using samplers

EH/22

*Comments for the above document are required by 17 October, 2021*

**21/30395664 DC**

BS ISO 14839-5 Mechanical vibration. Vibration of rotating machinery equipped with active magnetic bearings. Touch-down bearings

GME/21/5

*Comments for the above document are required by 16 October, 2021*

**21/30396021 DC**

BS EN ISO 24063 Recreational diving services. Requirements for rebreather diver training. No-decompression diving

SVS/2/4

*Comments for the above document are required by 11 October, 2021*

**21/30397762 DC**

BS ISO 14017 Environmental management. Requirements with guidance for verification and validation of water statements

SES/1/2

*Comments for the above document are required by 16 October, 2021*

**21/30397765 DC**

BS ISO 37108 Sustainable cities and communities. Business districts. Guidance for practical local implementation of ISO 37101

SDS/2

*Comments for the above document are required by 12 October, 2021*

**21/30398245 DC**

BS EN ISO 14015 Environmental management. Guidelines for Environmental Due Diligence Assessment

SES/1/2

*Comments for the above document are required by 31 October, 2021*

**21/30398661 DC**

BS ISO 24196 Lignins. Determination of lignin content in kraft lignin, soda lignin, and hydrolysis lignin

PAI/11

*Comments for the above document are required by 26 October, 2021*

**21/30398676 DC**

BS ISO 24215 Lignins. Determination of carbohydrate composition in kraft lignin, soda lignin and hydrolysis lignin

PAI/11

*Comments for the above document are required by 16 October, 2021*

**21/30398679 DC**

BS ISO 24224 Ships and marine technology. Tanker cargo manifold shore connection. Technical requirements

SME/32

*Comments for the above document are required by 25 October, 2021*

**21/30398685 DC**

BS ISO 24246 Space systems. Requirements for Global Navigation Satellite System (GNSS) positioning augmentation centers

ACE/68

*Comments for the above document are required by 24 October, 2021*

**21/30399985 DC**

BS ISO 11783-13 Tractors and machinery for agriculture and forestry. Serial control and communications data network. File server

AGE/6/1

*Comments for the above document are required by 16 October, 2021*

**21/30390066 DC**

BS ISO 12509 Earth-moving machinery and rough-terrain trucks. Lighting, signalling and marking lights, and reflex reflector devices

B/513/1

*Comments for the above document are required by 19 October, 2021*

**21/30401615 DC**

BS EN ISO 898-2 Fasteners. Mechanical properties of fasteners made of carbon steel and alloy steel. Nuts with specified property classes

FME/9

*Comments for the above document are required by 23 October, 2021*

**21/30402419 DC**

BS ISO 24329 Low-protein natural rubber latex concentrate. Specification

PRI/50

*Comments for the above document are required by 31 October, 2021*

**21/30402425 DC**

BS ISO 17593 Clinical laboratory testing and in vitro medical devices. Requirements for in vitro monitoring systems for selftesting of oral anticoagulant therapy

CH/212

*Comments for the above document are required by 25 October, 2021*

**21/30404115 DC**

BS ISO 8102-20 Electrical requirements for lifts, escalators and moving walks. Cybersecurity

MHE/4

*Comments for the above document are required by 23 October, 2021*

**21/30404490 DC**

BS ISO 7936 Coal. Determination and presentation of float and sink characteristics. General directions for apparatus and procedures

PTI/16

*Comments for the above document are required by 27 October, 2021*

**21/30404766 DC**

BS EN ISO 24642 Recreational diving services. Requirements for rebreather diver training. Decompression diving to 45 m

SVS/2/4

Comments for the above document are required by 11 October, 2021

**21/30404773 DC**

BS ISO 12749-2 Nuclear energy, nuclear technologies, and radiological protection. Vocabulary. Radiological protection

NCE/2

Comments for the above document are required by 27 October, 2021

**21/30404782 DC**

BS ISO 4437-1 Plastics piping systems for the supply of gaseous fuels. Polyethylene (PE). General

PRI/88/2

Comments for the above document are required by 5 October, 2021

**21/30404785 DC**

BS ISO 4437-2 Plastics piping systems for the supply of gaseous fuels. Polyethylene (PE). Pipes

PRI/88/2

Comments for the above document are required by 5 October, 2021

**21/30404788 DC**

BS ISO 4437-3 Plastics piping systems for the supply of gaseous fuels. Polyethylene (PE). Fittings

PRI/88/2

Comments for the above document are required by 5 October, 2021

**21/30404791 DC**

BS ISO 4437-5 Plastics piping systems for the supply of gaseous fuels. Polyethylene (PE). Fitness for purpose of the system

PRI/88/2

Comments for the above document are required by 5 October, 2021

**21/30405481 DC**

BS ISO 7240-12 Fire detection and alarm systems. Line type smoke detectors using a transmitted optical beam

FSH/12

Comments for the above document are required by 25 October, 2021

**21/30405603 DC**

BS IEC 63272 Nuclear facilities. Electrical power systems. AC interruptible power supply systems

NCE/8

Comments for the above document are required by 13 October, 2021

**21/30406539 DC**

BS ISO 2006-1 Rubber latex, synthetic. Determination of mechanical stability. High-speed method

PRI/50

Comments for the above document are required by 25 October, 2021

**21/30407357 DC**

BS ISO 22139 Heavy commercial vehicles and buses. Test method for steering effort measurement when manoeuvring at low speed or with stationary vehicle

AUE/15

Comments for the above document are required by 16 October, 2021

**21/30408811 DC**

BS EN ISO 17660 Welding. Welding of reinforcing steel

WEE/36

Comments for the above document are required by 16 October, 2021

**21/30411193 DC**

BS ISO 23365 Heavy commercial vehicles and buses. Definitions of properties for the determination of suspension kinematic and compliance characteristics

AUE/15

Comments for the above document are required by 17 October, 2021

**21/30412922 DC**

BS EN ISO 15610 Specification and qualification of welding procedures for metallic materials. Qualification based on tested welding consumables

WEE/36

Comments for the above document are required by 16 October, 2021

**21/30415186 DC**

BS ISO 4669 Document management. Information classification, marking and handling

IDT/1

Comments for the above document are required by 9 October, 2021

**21/30419749 DC**

BS ISO 24088-1 Biotechnology. Biobanking. Requirements for the collection, processing, storage and transportation of microorganisms. Bacteria and archaea

BTI/1

Comments for the above document are required by 26 October, 2021

**21/30419760 DC**

BS ISO 24603 Biotechnology. Biobanking. Requirements for human and mouse pluripotent stem cells

BTI/1

Comments for the above document are required by 30 October, 2021

**21/30419882 DC**

BS EN ISO 9333 Dentistry. Brazing materials

CH/106/2

Comments for the above document are required by 3 October, 2021

**21/30420208 DC**

BS EN 13501-2 Fire classification of construction products and building elements. Classification using data from fire resistance tests, excluding ventilation services

FSH/21/-/8

Comments for the above document are required by 5 October, 2021

**21/30420282 DC**

BS EN ISO 18274 Welding consumables. Solid wire electrodes, solid strip electrodes, solid wires and solid rods for fusion welding of nickel and nickel alloys. Classification

WEE/39

Comments for the above document are required by 16 October, 2021

**21/30420942 DC**

BS EN 12261 Gas meters. Turbine gas meters

GSE/25

Comments for the above document are required by 19 October, 2021

**21/30421167 DC**

BS EN 17694-1 Hydrometry. Performance requirements and test procedures for water monitoring equipment. Devices for the determination of flow. Open channel instrumentation

CPI/113

Comments for the above document are required by 26 October, 2021

**21/30422719 DC**

BS ISO/IEC 29192-8 Information security. Lightweight cryptography. Authenticated encryption

IST/33/2

Comments for the above document are required by 12 October, 2021

**21/30423425 DC**

BS ISO 20816-3 Mechanical vibration. Measurement and evaluation of machine vibration. Industrial machinery with a power rating above 15 kW and operating speeds between 120 min<sup>-1</sup> and 30 000 min<sup>-1</sup>

GME/21/5

Comments for the above document are required by 2 October, 2021

**21/30423428 DC**

BS EN ISO 13119 Health informatics. Clinical knowledge resources. Metadata

IST/35

Comments for the above document are required by 4 October, 2021

**21/30423432 DC**

BS ISO 13317-1 Determination of particle size distribution by gravitational liquid sedimentation methods. General principles and guidelines

LBI/37

Comments for the above document are required by 3 October, 2021

**21/30423976 DC**

BS IEC 63332-387 Nuclear facilities. Electrical power systems. Diesel generator units applied as standby power sources

NCE/8

Comments for the above document are required by 13 October, 2021

**21/30424257 DC**

BS ISO 8157 Fertilizers, soil conditioners and beneficial substances. Vocabulary

CII/37

Comments for the above document are required by 16 October, 2021

**21/30424562 DC**

BS ISO 16577 Molecular biomarker analysis. Vocabulary for molecular biomarker analytical methods in agriculture and food production

AW/275

*Comments for the above document are required by 9 October, 2021*

**21/30424776 DC**

BS ISO 13008 Information and documentation. Digital records conversion and migration process

IDT/2/17

*Comments for the above document are required by 5 October, 2021*

**21/30425550 DC**

BS ISO 23472-5 Foundry machinery. Vocabulary. Cupola furnaces and pouring devices and ladles

MCE/3/10

*Comments for the above document are required by 11 October, 2021*

**21/30425679 DC**

BS EN 13480-3 AMD5 Metallic industrial piping. Design and calculation

PVE/10

*Comments for the above document are required by 12 October, 2021*

**21/30425879 DC**

BS ISO 5148 Plastics. Determination of specific aerobic biodegradation rate of solid plastic materials and disappearance time (DT50) under mesophilic laboratory test conditions

PRI/89

*Comments for the above document are required by 6 October, 2021*

**21/30426345 DC**

BS ISO 16976-1 Respiratory protective devices. Human factors. Metabolic rates and respiratory flow rates

PH/4

*Comments for the above document are required by 12 October, 2021*

**21/30426348 DC**

BS ISO 16976-2 Respiratory protective devices. Human factors. Anthropometrics

PH/4

*Comments for the above document are required by 12 October, 2021*

**21/30426351 DC**

BS ISO 16976-3 Respiratory protective devices. Human factors. Physiological responses and limitations of oxygen and limitations of carbon dioxide in the breathing environment

PH/4

*Comments for the above document are required by 12 October, 2021*

**21/30426436 DC**

BS EN 62453-1 Field device tool (FDT) interface specification. Overview and guidance

GEU/65/3

*Comments for the above document are required by 6 October, 2021*

**21/30426815 DC**

BS ISO 5345 Intelligent transport systems. Identifiers. Processes

EPL/278

*Comments for the above document are required by 27 October, 2021*

**21/30426947 DC**

BS EN 14944-1 Influence of cementitious products on water intended for human consumption. Test methods. Influence of factory made cementitious products on organoleptic parameters

EH/6

*Comments for the above document are required by 26 October, 2021*

**21/30427121 DC**

BS EN 14944-3 Influence of cementitious products on water intended for human consumption. Test methods. Migration of substances from factory-made cementitious products

EH/6

*Comments for the above document are required by 26 October, 2021*

**21/30427267 DC**

BS EN ISO 29481-3 Building information models. Information delivery manual. Data schema and code

B/555

*Comments for the above document are required by 24 October, 2021*

**21/30427299 DC**

BS EN ISO 15614-4 Specification and qualification of welding procedures for metallic materials. Welding procedure test. Finishing welding of aluminium castings

WEE/36

*Comments for the above document are required by 31 October, 2021*

**21/30428176 DC**

BS EN ISO 15701 Leather. Tests for colour fastness. Colour fastness to migration into polymeric material

TCI/69

*Comments for the above document are required by 18 October, 2021*

**21/30428276 DC**

BS EN 12846-1 Bitumen and bituminous binders. Determination of efflux time by the efflux viscometer. Bituminous emulsions

B/510/19

*Comments for the above document are required by 5 October, 2021*

**21/30428279 DC**

BS EN 12846-2 Bitumen and bituminous binders. Determination of efflux time by the efflux viscometer. Cut-back and fluxed bituminous binders

B/510/19

*Comments for the above document are required by 5 October, 2021*

**21/30428750 DC**

BS EN 607 Eaves gutters and fittings made of PVC-U. Definitions, requirements and testing

B/542/13

*Comments for the above document are required by 5 October, 2021*

**21/30429644 DC**

BS EN ISO 13844 Plastics piping systems. Elastomeric-sealing-ring-type socket joints for use with plastic pressure pipes. Test method for leak tightness under negative pressure, angular deflection and deformation

PRI/88/4

*Comments for the above document are required by 2 October, 2021*

**21/30430260 DC**

BS ISO 4405 Hydraulic fluid power. Fluid contamination. Determination of particulate contamination by the gravimetric method

MCE/18/-16

*Comments for the above document are required by 5 October, 2021*

**21/30431306 DC**

BS EN ISO 5270.2 Pulps. Laboratory sheets. Determination of physical properties

PAI/11

*Comments for the above document are required by 9 October, 2021*

**21/30431321 DC**

BS ISO 22003-2 Food safety management systems. Requirements for bodies providing audit and certification of food safety management systems. Requirements for bodies providing evaluation and certification of products, processes and services, including an audit of the food safety system

AW/90

*Comments for the above document are required by 4 October, 2021*

**21/30431579 DC**

BS EN 63281-0 Personal e-Transporters. Terminology and classification

PEL/69

*Comments for the above document are required by 20 October, 2021*

**21/30431848 DC**

BS ISO/IEC 3721-1 Information technology. Computer graphics, image processing and environmental data representation. Information model for Mixed and Augmented Reality Contents. Core Objects and Attributes

IST/31

*Comments for the above document are required by 25 October, 2021*

**21/30432207 DC**

BS EN 12098-3 Energy performance of buildings. Controls for heating systems. Control equipment for electrical heating systems. Modules M3-5,6,7,8

RHE/16

*Comments for the above document are required by 5 October, 2021*

**21/30432410 DC**

BS ISO 8504-4 Preparation of steel substrates before application of paints and related products. Surface preparation methods. Acid pickling

STI/21

*Comments for the above document are required by 30 October, 2021*

**21/30432764 DC**

BS ISO 5054-1 Specification for an Enterprise Canonical Model. Architecture

IST/471-13

*Comments for the above document are required by 24 October, 2021*

**21/30432859 DC**

BS EN 1978 Copper and copper alloys. Copper cathodes

NFE/34

*Comments for the above document are required by 5 October, 2021*

**21/30433049 DC**

BS EN 60601-2-40 Medical electrical equipment. Particular requirements for the basic safety and essential performance of electromyographs and evoked response equipment

CH/62/4

Comments for the above document are required by 20 October, 2021

**21/30433197 DC**

BS ISO 34-1 Rubber, vulcanized or thermoplastic. Determination of tear strength. Trouser, angle and crescent test pieces

PRI/22

Comments for the above document are required by 17 October, 2021

**21/30433351 DC**

BS EN 62351-3 Power systems management and associated information exchange. Data and communications security. Communication network and system security. Profiles including TCP/IP

PEL/57

Comments for the above document are required by 13 October, 2021

**21/30433910 DC**

BS EN ISO 18563-1 Non-destructive testing. Characterization and verification of ultrasonic phased array equipment. Instruments

WEE/46/3

Comments for the above document are required by 26 October, 2021

**21/30434328 DC**

BS EN 63374 Nuclear power plants. Instrumentation systems important to safety. Characteristic and test methods of nuclear reactor reactivity meter

NCE/8

Comments for the above document are required by 13 October, 2021

**21/30435019 DC**

BS EN 14509-4 Factory-made double skin metal faced insulating sandwich panels. Test methods for fixing of panels to substructure and for determining restraining effect on substructure

B/542/12

Comments for the above document are required by 19 October, 2021

**21/30435025 DC**

BS EN 14509-3 Factory-made double skin metal faced insulating sandwich panels. Test methods for determining mechanical strength, building physical behaviour and durability

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B/542/12

Comments for the above document are required by 19 October, 2021

**21/30435285 DC**

BS ISO 30302 Information and documentation. Management systems for records. Guidelines for implementation

IDT/2/17

Comments for the above document are required by 23 October, 2021

**21/30435291 DC**

BS ISO 7967-11 Reciprocating internal combustion engines. Vocabulary of components and systems. Fuel systems

MCE/14

Comments for the above document are required by 9 October, 2021

**21/30435819 DC**

BS ISO 24040 Textiles. Determination of certain benzotriazole compounds

TCI/80

Comments for the above document are required by 9 October, 2021

**21/30436647 DC**

BS ISO 9735-10 Electronic data interchange for administration, commerce and transport (EDIFACT). Application level syntax rules (Syntax version number. 4, Syntax release number. 2). Syntax service directories

IST/47/-/3

Comments for the above document are required by 12 October, 2021

**21/30436831 DC**

BS EN 15355 AMD1 Railway applications. Braking. Distributor valves and distributor-isolating devices

RAE/4/-/1

Comments for the above document are required by 26 October, 2021

**21/30436870 DC**

BS IEC 60747-16-9 Semiconductor devices. Microwave integrated circuits. Phase shifters

EPL/47

Comments for the above document are required by 27 October, 2021

**21/30436004 DC**

BS EN 62668-1 AMD1 Process management for avionics. Counterfeit prevention. Avoiding the use of counterfeit, fraudulent and recycled electronic components

GEL/107

Comments for the above document are required by 27 October, 2021

**21/30437057 DC**

BS ISO 11171 Hydraulic fluid power. Calibration of automatic particle counters for liquids

MCE/18/-/6

Comments for the above document are required by 2 October, 2021

**21/30437144 DC**

BS EN 14439 Cranes. Tower cranes

£18.00 members, £36.00 non-members

MHE/3/5

Comments for the above document are required by 5 October, 2021

**21/30437703 DC**

BS EN 12230 Surfaces for sports areas. Test method for the determination of tensile properties of synthetic sports surfaces

PRI/57

Comments for the above document are required by 26 October, 2021

**21/30437912 DC**

BS ISO 13050 Synchronous belt drives. Metric pitch, curvilinear profile systems G, H, R and S, belts and pulleys

MCE/10

Comments for the above document are required by 9 October, 2021

**21/30437970 DC**

BS EN 13126-3 Building hardware. Hardware for windows and door- height windows. Requirements and test methods. Handles, primarily for Tilt&Turn, Tilt-First and Turn-Only hardware

B/538/1

Comments for the above document are required by 19 October, 2021

**21/30437985 DC**

BS EN 16729-5 Railway applications. Infrastructure. Non-destructive testing on rails in track. Non-destructive testing on welds in track

RAE/2

Comments for the above document are required by 19 October, 2021

**21/30438582 DC**

BS EN 14509-2 Double skin metal faced insulating panels. Factory made products. Specifications. Structural applications. Fixings and potential uses of stabilization of individual structural elements

B/542/12

Comments for the above document are required by 19 October, 2021

**21/30438627 DC**

BS EN 50436-4 Alcohol interlocks. Test methods and performance requirements. Connection and digital interface between the alcohol interlock and the vehicle

£18.00 members, £36.00 non-members

AUE/16

Comments for the above document are required by 13 October, 2021

**21/30438886 DC**

BS EN 60670-24 AMD1 Boxes and enclosures for electrical accessories for household and similar fixed electrical installations. Particular requirements for enclosures for housing protective devices and other power dissipating electrical equipment

PEL/23

Comments for the above document are required by 6 October, 2021

**21/30438895 DC**

BS EN 50397-2 Covered conductors for overhead lines and the related accessories for rated voltages above 1 kV a.c. and not exceeding 36 kV a.c. Accessories for covered conductors. Tests and acceptance criteria

GEL/20

Comments for the above document are required by 6 October, 2021

**21/30438898 DC**

BS EN 60670-21 AMD Boxes and enclosures for electrical accessories for household and similar fixed electrical installations. Particular requirements for boxes and enclosures with provision for suspension means

PEL/23

Comments for the above document are required by 6 October, 2021

**21/30438901 DC**

BS EN 60670-22 AMD Boxes and enclosures for electrical accessories for household and similar fixed electrical installations. Particular requirements for connecting boxes and enclosures

PEL/23

Comments for the above document are required by 6 October, 2021



**21/30438904 DC**

BS EN 60670-23 AMD1 Boxes and enclosures for electrical accessories for household and similar fixed electrical installations. Particular requirements for floor boxes and enclosures

PEL/23

*Comments for the above document are required by 6 October, 2021*

**21/30438907 DC**

BS EN 50397-3 Covered conductors for overhead lines and the related accessories for rated voltages above 1 kV a.c. and not exceeding 36 kV a.c. Guide to use

GEL/20

*Comments for the above document are required by 6 October, 2021*

**21/30438930 DC**

BS ISO 15830-1 Road vehicles. Design and performance specifications for the WorldSID 50th percentile male side-impact dummy. Terminology and rationale

£18.00 members, £36.00 non-members

AUE/7

*Comments for the above document are required by 9 October, 2021*

**21/30438964 DC**

BS ISO 23678-1 Service personnel for the maintenance, thorough examination, operational testing, overhaul and repair of lifeboats (including free-fall lifeboats) and rescue boats (including fast rescue boats), launching appliances and release gear. General requirements for training providers

SME/32

*Comments for the above document are required by 10 October, 2021*

**21/30438967 DC**

BS ISO 23678-2 Service personnel for the maintenance, thorough examination, operational testing, overhaul and repair of lifeboats (including free-fall lifeboats) and rescue boats (including fast rescue boats), launching appliances and release gear. Service personnel initial training

SME/32

*Comments for the above document are required by 10 October, 2021*

**21/30438970 DC**

BS ISO 23678-3 Service personnel for the maintenance, thorough examination, operational testing, overhaul and repair of lifeboats (including free-fall lifeboats) and rescue boats (including fast rescue boats), launching appliances and release gear. Level 1 technical training

SME/32

*Comments for the above document are required by 10 October, 2021*

**21/30438973 DC**

BS ISO 23678-4 Service personnel for the maintenance, thorough examination, operational testing, overhaul and repair of lifeboats (including free-fall lifeboats) and rescue boats (including fast rescue boats), launching appliances and release gear. Level 2 in-field competence

SME/32

*Comments for the above document are required by 10 October, 2021*

**21/30438991 DC**

BS EN 927-2 Paints and varnishes. Coating materials and coating systems for exterior wood. Performance specification

STI/28

*Comments for the above document are required by 26 October, 2021*

**21/30438994 DC**

BS EN 17038-4 Pumps. Methods of qualification of the Energy Efficiency Index for rotodynamic pump units. Testing and calculation of energy efficiency index (EEI) of submersible multistage pump units

MCE/6

*Comments for the above document are required by 5 October, 2021*

**21/30438997 DC**

BS EN 12098-1 Energy performance of buildings. Controls for heating systems. Control equipment for hot water heating systems. Modules M3-5, 6, 7, 8

RHE/16

*Comments for the above document are required by 5 October, 2021*

**21/30439200 DC**

BS EN IEC 60335-2-97 AMD11 Household and similar electrical appliances. Safety. Particular requirements for drives for shutters, awnings, blinds and similar equipment

CPL/61/1

*Comments for the above document are required by 20 October, 2021*

**21/30439203 DC**

BS EN IEC 60335-2-62 AMD11 Household and similar electrical appliances. Safety. Particular requirements for commercial electric rinsing sinks

CPL/61

*Comments for the above document are required by 20 October, 2021*

**21/30439211 DC**

BS ISO 7010 AMD127 Graphical symbols. Safety colours and safety signs. Registered safety signs

PH/8/1

*Comments for the above document are required by 5 October, 2021*

**21/30439273 DC**

BS EN ISO 10993-18 AMD1 Biological evaluation of medical devices. Chemical characterization of medical device materials within a risk management process

CH/194

*Comments for the above document are required by 9 October, 2021*

**21/30439465 DC**

BS ISO 18242 AMD1 Cardiovascular implants and extracorporeal systems. Centrifugal blood pumps

CH/150/2

*Comments for the above document are required by 25 October, 2021*

**21/30439660 DC**

BS EN 63171-7 Connectors for electrical and electronic equipment. Detail specification for 4-way to 6-ways plus PE or FE (data/power) shielded, free and fixed circular connectors for balanced single-pair data transmission current-carrying capacity. mechanical mating information, pin assignment and additional requirements for type 7

EPL/48

*Comments for the above document are required by 6 October, 2021*

**21/30439766 DC**

BS EN IEC 60335-2-58 AMD Household and similar electrical appliances. Safety. Particular requirements for commercial electric dishwashing machines

CPL/61

*Comments for the above document are required by 27 October, 2021*

**21/30439778 DC**

BS EN IEC 60335-2-103 AMD AA Household and similar electrical appliances. Safety. Particular requirements for drives for gates, doors and windows

CPL/61/1

*Comments for the above document are required by 27 October, 2021*

**21/30439781 DC**

BS EN 50571 AMD2 Household and similar electrical appliances. Safety. Particular requirements for commercial electric washing machines

CPL/61

*Comments for the above document are required by 27 October, 2021*

**21/30439784 DC**

BS EN 50570 AMD2 Household and similar electrical appliances. Safety. Particular requirements for commercial electric tumble dryers

CPL/61

*Comments for the above document are required by 27 October, 2021*

**Please  
do not send  
confirmation  
of  
orders placed by  
telephone  
as it can lead to  
duplication**

**21/30439003 DC**

BS EN 16565 Packaging. Flexible tubes. Test method to determine the orientation of the flip-top cap

PKW/01-110

Comments for the above document are required by 26 October, 2021

**21/30440994 DC**

BS EN 60810 AMD2 Lamps, light sources and LED packages for road vehicles. Performance requirements

CPL/34/1

Comments for the above document are required by 27 October, 2021

**21/30441540 DC**

BS EN 17140 Thermal insulation products for buildings. Factory-made vacuum insulation panels (VIP). Specification

B/540/9

Comments for the above document are required by 19 October, 2021

**21/30442104 DC**

BS EN 9101 Requirements for Conducting Audits of Aviation, Space, and Defence Quality Management Systems

ACE/1

Comments for the above document are required by 12 October, 2021

**21/30442502 DC**

BS IEC 60068-2-17 Basic environmental testing procedures. Tests. Test Q. Sealing

GEL/104

Comments for the above document are required by 13 October, 2021

**21/30442506 DC**

BS IEC 60068-3-1 Environmental testing. Supporting documentation and guidance. Cold and dry heat tests

GEL/104

Comments for the above document are required by 13 October, 2021

**21/30442510 DC**

BS IEC 60068-3-4 Environmental testing. Supporting documentation and guidance. Damp heat tests

GEL/104

Comments for the above document are required by 13 October, 2021

**21/30442566 DC**

BS EN ISO 52936-1 Additive manufacturing. Qualification principles. Laser-based powder bed fusion of polymers. General principles and preparation of test specimens for PBF-LB

AMT/8

Comments for the above document are required by 6 October, 2021

**21/30442601 DC**

BS EN IEC 62807-3 Hybrid telecommunication cables. Outdoor hybrid cables. Sectional specification

EPL/46

Comments for the above document are required by 6 October, 2021

**21/30442602 DC**

BS IEC 62807-3-10 Hybrid Telecommunication Cables. Family specification for FTTH hybrid communication cables

EPL/46

Comments for the above document are required by 6 October, 2021

**21/30442603 DC**

BS EN IEC 55016-4-6 Specification for radio disturbance and immunity Measuring apparatus and methods. Uncertainties, statistics and limit modelling. Statistics on radio frequency interference (RFI) and verification by measurements in the field

GEL/210/11

Comments for the above document are required by 6 October, 2021

**21/30442610 DC**

BS EN IEC 60755-1 General safety requirements for residual current operated protective devices. Residual current operated protective devices for DC systems

PEL/23/1

Comments for the above document are required by 6 October, 2021

**21/30442902 DC**

BS EN IEC 60840 AMD1 Power cables with extruded insulation and their accessories for rated voltages above 30 kV (Um= 36 kV) up to 150 kV (Um = 170 kV). Test methods and requirements

GEL/20/16

Comments for the above document are required by 20 October, 2021

**21/30442971 DC**

BS EN 50367 AMD1 Railway applications. Fixed installations and rolling stock. Criteria to achieve technical compatibility between pantographs and overhead contact line

GEL/9/3

Comments for the above document are required by 20 October, 2021

**21/30442984 DC**

BS EN IEC 62840-1 Electric vehicle battery swap system. General and guidance

PEL/69

Comments for the above document are required by 20 October, 2021

**21/30443041 DC**

BS EN 60061 Lamp caps and holders together with gauges for the control of interchangeability and safety. Proposal to add GJ6.6 fit systems to IEC 60061

CPL/34/2

Comments for the above document are required by 20 October, 2021

**21/30443042 DC**

BS EN 63232-1-2 Live working. Hand protective devices against the thermal hazards of an electric arc. Test methods. Method 2. Determination of arc protection class of hand protective devices by using a constrained and directed arc (box test)

PEL/78

Comments for the above document are required by 20 October, 2021

**21/30443046 DC**

BS EN IEC 60598-1 Fragment 11 Luminaires. General requirements and tests

CPL/34/4

Comments for the above document are required by 20 October, 2021

**21/30443242 DC**

BS EN IEC 62040-1 AMD2 Uninterruptible power systems (UPS). Safety requirements

PEL/22

Comments for the above document are required by 6 October, 2021

**21/30443250 DC**

BS EN 61300-2-11 Fibre optic interconnecting devices and passive components. Basic test and measurement procedures. Tests. Axial compression

GEL/86/2

Comments for the above document are required by 27 October, 2021

**21/30400901 DC**

BS ISO/IEC 24039 Information Technology. Smart city digital platform reference architecture. Data and service

SDS/2

Comments for the above document are required by 16 October, 2021

**21/30401237 DC**

Guidelines for treatment and reuse of leachate from municipal solid waste (MSW) incineration plants

B/505/50

Comments for the above document are required by 2 October, 2021

**21/30400343 DC**

BS ISO 24239 Fossil Fuel Power Plants Corrosion Control Engineering Life Cycle. General Requirements

ISENFE/8

Comments for the above document are required by 26 October, 2021

**21/30400355 DC**

BS EN ISO 19650-4 Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM). Information management using building information modelling. Information exchange

B/555

Comments for the above document are required by 4 October, 2021

**21/30400889 DC**

BS ISO 22003-1 Food safety management systems. Requirements for bodies providing audit and certification of food safety management systems. Requirements for bodies providing audit and certification of food safety management systems

AW/90

Comments for the above document are required by 4 October, 2021

## DOCUMENTS NOT ISSUED AS DPCs

The following documents were not issued for Enquiry by the relevant Standard Development Organizations and therefore not able to be issued in the UK as a Draft for Public Comment. Any comments can be submitted to the named contact for committee consideration but they may have to be held over until a future amendment or revision project. Comments can be sent by email or by post to named contacts at:–  
BSI Group  
389 Chiswick High Road  
London W4 4AL

### IEC 61558-2-20

Safety of transformers; reactors; power supply units and combinations thereof. Particular requirements and tests for small reactors

Contact: Nicola Young

Email: Nicola.Young@bsigroup.com

PEL/96

### IEC 62271-102/A1

High-voltage switchgear and controlgear. Alternating current disconnectors and earthing switches

Contact: Nicola Young

Email: Nicola.Young@bsigroup.com

PEL/17

### IEC 62841-4-6

Electric motor-operated hand-held tools; transportable tools and lawn and garden machinery. Safety. Particular requirements for garden blowers; garden vacuums and garden blower/vacuums

Contact: Jasnam Channe

Email: Jasnam.Channe@bsigroup.com

CPL/116

### IEC 62841-4-7

Electric motor-operated hand-held tools; transportable tools and lawn and garden machinery. Safety. Particular requirements for pedestrian controlled walk-behind lawn scarifiers and aerators

Contact: Jasnam Channe

Email: Jasnam.Channe@bsigroup.com

CPL/116

### ISO 7010:2019/A4

Graphical symbols. Safety colours and safety signs. Registered safety signs

Contact: Sophie Erskine

Email: Sophie.Erskine@bsigroup.com

PH/8/1

### ISO 8815

Electrical cables and cable harnesses. Vocabulary

Contact: Committee Service Centre

Email: csc@bsigroup.com

ACE/6

### ISO/IEC/IEEE 8802-1

Telecommunications and exchange between information technology systems. Requirements for local and metropolitan area networks. Link-local registration protocol

Contact: Sophie Erskine

Email: Sophie.Erskine@bsigroup.com

IST/6

### ISO/IEC/IEEE 32675

Information technology. DevOps. Building reliable and secure systems including application build, package and deployment

Contact: Joy Tan

Email: Joy.Tan@bsigroup.com

IST/15

### ISO 17109

Surface chemical analysis. Depth profiling – Method for sputter rate determination in X-ray photoelectron spectroscopy. Auger electron spectroscopy and secondary-ion mass spectrometry sputter depth profiling using single and multi-layer thin films

Contact: Patrick Kells

Email: Patrick.Kells@bsigroup.com

CI/60

### ISO/IEC 23090-8

Information technology. Coded representation of immersive media. Network based media processing

Contact: Committee Service Centre

Email: csc@bsigroup.com

IST/37

### ISO/IEC 23008-12

Information technology. High efficiency coding and media delivery in heterogeneous environments. Image File Format

Contact: Committee Service Centre

Email: csc@bsigroup.com

IST/37

### prEN ISO 16217

Cosmetics. Sun protection test methods. Water immersion procedure for determining water resistance

This draft has been issued under the CEN Enquiry (ENQ) process for the proposed adoption of ISO 16217:2020 as a European standard. BSI has already implemented this as BS ISO 16217:2020, which would be withdrawn in favour of BS EN ISO 16217 should the ENQ be approved. Further details are available from the contact point below

Contact: Committee Service Centre

Email: csc@bsigroup.com

CW/217

### prEN ISO 18861

Cosmetics. Sun protection test methods. Percentage of water resistance

This draft has been issued under the CEN Enquiry (ENQ) process for the proposed adoption of ISO 18861:2020 as a European standard. BSI has already implemented this as BS ISO 18861:2020, which would be withdrawn in favour of BS EN ISO 18861 should the ENQ be approved. Further details are available from the contact point below

Contact: Committee Service Centre

Email: csc@bsigroup.com

CW/217

### prEN ISO 21322

Cosmetics. Microbiology. Testing of impregnated or coated wipes and masks

This draft has been issued under the CEN Enquiry (ENQ) process for the proposed adoption of ISO 21322:2020 as a European standard. BSI has already implemented this as BS ISO 21322:2020, which would be withdrawn in favour of BS EN ISO 21322 should the ENQ be approved. Further details are available from the contact point below

Contact: Eric Koppitz

Email: Eric.Koppitz@bsigroup.com

CW/217

## CEN EUROPEAN STANDARDS

### EUROPEAN RATIFIED TEXTS

The documents listed below have recently been issued by CEN but have not yet been published as BS ENs. BSI has an obligation to adopt all ENs and to withdraw any conflicting British Standards (BSs) or parts of BSs. The following will be implemented as BS ENs or as amendments to BS ENs shortly. Notification of their implementation will be given in the BS EN Publications section of the relevant edition of Update Standards.

### EN 3-8:2021

Portable fire extinguishers. Requirements for the construction, pressure resistance and mechanical tests for extinguishers with a maximum allowable pressure equal to or lower than 30 bar, which comply with the requirements of EN 3-7

FSH/2

### EN 81-22:2021

Safety rules for the construction and installation of lifts. Lifts for the transport of persons and goods. Passenger and goods passenger lifts with inclined travel path

MHE/4

### EN ISO 787-2:2021

General methods of test for pigments and extenders. Determination of matter volatile at 105 °C

STI/1

(ISO 787-2:2021)

### EN 1397:2021

Heat exchangers. Hydronic room fan coil units. Test procedures for establishing the performance

RHE/17

### EN 1647:2018+A1:2021

Leisure accommodation vehicles. Caravan holiday homes. Habitation requirements relating to health and safety

B/511

### EN 1706:2020+A1:2021

Aluminium and aluminium alloys. Castings. Chemical composition and mechanical properties

NFE/35

**EN 1756-1:2021**

Tail lifts. Platform lifts for mounting on wheeled vehicles. Safety requirements. Tail lifts for goods

MHE/12/4

**EN ISO 4892-2:2013/A1:2021**

Plastics. Methods of exposure to laboratory light sources. Xenon-arc lamps

PRI/21

(ISO 4892-2:2013/Amd 1:2021)

**EN ISO 5470-2:2021**

Rubber- or plastics-coated fabrics. Determination of abrasion resistance. Martindale abrader

PRI/70

(ISO 5470-2:2021)

**EN ISO 6717:2021**

In vitro diagnostic medical devices. Single-use containers for the collection of specimens, other than blood, from humans

CH/12

(ISO 6717:2021)

**EN ISO 6888-1:2021**

Microbiology of the food chain. Horizontal method for the enumeration of coagulase-positive staphylococci (*Staphylococcus aureus* and other species). Method using Baird-Parker agar medium

AW/9

(ISO 6888-1:2021)

**EN ISO 6888-2:2021**

Microbiology of the food chain. Horizontal method for the enumeration of coagulase-positive staphylococci (*Staphylococcus aureus* and other species). Method using rabbit plasma fibrinogen agar medium

AW/9

(ISO 6888-2:2021)

**EN ISO 7539-9:2021**

Corrosion of metals and alloys. Stress corrosion testing. Preparation and use of pre-cracked specimens for tests under rising load or rising displacement

ISENFE/8

(ISO 7539-9:2021)

**EN ISO 7668:2021**

Anodizing of aluminium and its alloys. Measurement of specular reflectance and specular gloss of anodic oxidation coatings at angles of 20°, 45°, 60° or 85°

STI/33

(ISO 7668:2021)

**EN ISO 10195:2021**

Leather. Chemical determination of chromium(VI) content in leather. Thermal pre-ageing of leather and determination of hexavalent chromium

TCI/69

(ISO 10195:2018)

**EN 10253-2:2021**

Butt-welding pipe fittings. Non alloy and ferritic alloy steels with specific inspection requirements

ISE/110

**EN ISO 10276:2021**

Nuclear energy. Fuel technology. Trunnion systems for packages used to transport radioactive material

NCE/9

(ISO 10276:2019)

**EN ISO 10360-10:2021**

Geometrical product specifications (GPS). Acceptance and reverification tests for coordinate measuring systems (CMS). Laser trackers

TPR/1

(ISO 10360-10:2021)

**EN 10374:2021**

Welded fittings for the food and chemical industries. Tees, bends and reducers for welding

ISE/110

**EN ISO 10651-5:2021**

Lung ventilators for medical use. Particular requirements for basic safety and essential performance. Gas-powered emergency resuscitators

CH/121

(ISO 10651-5:2006)

**EN ISO 11855-3:2021**

Building environment design. Embedded radiant heating and cooling systems. Design and dimensioning

RHE/2

(ISO 11855-3:2021)

**EN ISO 11855-4:2021**

Building environment design. Embedded radiant heating and cooling systems. Dimensioning and calculation of the dynamic heating and cooling capacity of ThermoActive Building Systems (TABS)

RHE/2

(ISO 11855-4:2021)

**EN ISO 11855-5:2021**

Building environment design. Embedded radiant heating and cooling systems. Installation

RHE/2

(ISO 11855-5:2021)

**EN 12331:2021**

Food processing machinery. Mincing machines. Safety and hygiene requirements

MCE/3/5

**EN 12353:2021**

Chemical disinfectants and antiseptics. Preservation of test organisms used for the determination of bactericidal (including *Legionella*), mycobactericidal, sporicidal, fungicidal and virucidal (including bacteriophages) activity

CH/216

**EN 12447:2021**

Geotextiles and geotextile-related products. Screening test method for determining the resistance to hydrolysis in water

B/553

**EN 12464-1:2021**

Light and lighting. Lighting of work places. Indoor work places

EL/1

**EN ISO 12625-7:2021**

Tissue paper and tissue products. Determination of optical properties. Measurement of brightness and colour with D65/10° (outdoor daylight)

PAI/11

(ISO 12625-7:2021)

**EN ISO 13000-1:2021**

Plastics. Polytetrafluoroethylene (PTFE) semi-finished products. Requirements and designation

PRI/82

(ISO 13000-1:2021)

**EN ISO 13000-2:2021**

Plastics. Polytetrafluoroethylene (PTFE) semi-finished products. Preparation of test specimens and determination of properties

PRI/82

(ISO 13000-2:2021)

**EN ISO 13485:2016/A11:2021**

Medical devices. Quality management systems. Requirements for regulatory purposes

CH/210

(ISO 13485:2016)

**EN 13611:2019/AC:2021**

Safety and control devices for burners and appliances burning gaseous and/or liquid fuels. General requirements

GSE/22

**EN 13617-1:2021**

Petrol filling stations. Safety requirements for construction and performance of metering pumps, dispensers and remote pumping units

PVE/393

**EN 13617-2:2021**

Petrol filling stations. Safety requirements for construction and performance of safe breaks for use on metering pumps and dispensers

PVE/393

**EN 13617-3:2021**

Petrol filling stations. Safety requirements for construction and performance of shear valves

PVE/393

**EN 13617-4:2021**

Petrol filling stations. Safety requirements for construction and performance of swivels for use on metering pumps and dispensers

PVE/393

**EN ISO 13885-1:2021**

Gel permeation chromatography (GPC). Tetrahydrofuran (THF) as eluent

STI/10

(ISO 13885-1:2020)

**EN ISO 13885-2:2021**

Gel permeation chromatography (GPC). N,N-Dimethylacetamide (DMAC) as eluent

STI/10

(ISO 13885-2:2020)

**EN ISO 13885-3:2021**

Gel permeation chromatography (GPC). Water as eluent

STI/10

(ISO 13885-3:2020)

**EN ISO 13918:2018/A1:2021**

Welding. Studs and ceramic ferrules for arc stud welding

WEE/36

(ISO 13918:2017/Amd 1:2021)

**EN 13012:2021**

Petrol filling stations. Construction and performance of automatic nozzles for use on fuel dispensers

PVE/393

**EN 14908-8:2021**

Open Data Communication in Building Automation, Controls and Building Management. Control Network Protocol. Communication using Broadband over Power Line Networks. with internet protocols

RHE/16

**EN 14908-9:2021**

Open Data Communication in Building Automation, Controls and Building Management. Control Network Protocol. Wireless Communication in ISM bands

RHE/16

**EN 14972-14:2021**

Fixed firefighting systems. Water mist systems. Test protocol for combustion turbines in enclosures exceeding 260 m<sup>3</sup> for open nozzle systems

FSH/18/5

**EN 14972-15:2021**

Fixed firefighting systems. Water mist systems. Test protocol for combustion turbines in enclosures not exceeding 260 m<sup>3</sup> for open nozzle systems

FSH/18/5

**EN 15199-4:2021**

Petroleum products. Determination of boiling range distribution by gas chromatography method. Light fractions of crude oil

PTI/13

**EN 15804:2012+A2:2019/AC:2021**

Sustainability of construction works. Environmental product declarations. Core rules for the product category of construction products

B/558

**EN ISO 15883-5:2021**

Washer-disinfectors. Performance requirements and test method criteria for demonstrating cleaning efficacy

CH/198

(ISO 15883-5:2021)

**EN 15935:2021**

Soil, waste, treated biowaste and sludge. Determination of loss on ignition

EH/4

**EN 16186-5:2021**

Railway applications. Driver's cabs. External visibility for tram vehicles

RAE/4/-4

**EN 16602-70-15:2021**

Space product assurance. Non-destructive testing

ACE/68

**EN 16603-10-04:2021**

Space engineering. Space environment

ACE/68

**EN 16759:2021**

Bonded Glazing for doors, windows and curtain walling. Verification of mechanical performance of bonding on aluminium and steel surfaces

B/538/1

**EN 16980-1:2021**

Photocatalysis. Continuous flow test methods. Determination of the degradation of nitric oxide (NO) in the air by photocatalytic materials

RPI/13

**EN 17281:2021**

Safety requirements. Vehicle cleaning equipment

MCE/6

**EN 17387:2021**

Chemical disinfectants and antiseptics. Quantitative test for the evaluation of bactericidal and yeasticidal and/or fungicidal activity of chemical disinfectants in the medical area on non-porous surfaces without mechanical action. Test method and requirements (phase 2, step 2)

CH/216

**EN 17415-2:2021**

District cooling pipes. Bonded single pipe systems for directly buried cold water networks. Factory made fitting assemblies of steel or plastic service pipe, polyurethane thermal insulation and a casing of polyethylene

RHE/9

**EN 17415-3:2021**

District cooling pipes. Bonded single pipe systems for directly buried cold water networks. Factory made steel valve assembly for steel or plastic service pipe, polyurethane thermal insulation and a casing of polyethylene

RHE/9

**EN 17446:2021**

Fire extinguishing systems in commercial kitchens. System design, documentation, and test requirements

FSH/18/6

**EN 17477:2021**

Algae and algae products. Identification of the biomass of microalgae, macroalgae, cyanobacteria and Labyrinthulomycetes. Detection and identification with morphological and/or molecular methods

EH/3/-5

**EN 17480:2021**

Algae and algae products. Methods for the determination of productivity of algae growth sites

EH/3/-5

**EN 17490:2021**

Determination of screw pull out forces from screw thread channels

B/538/6

**EN 17507:2021**

Road vehicles. Portable Emission Measuring Systems (PEMS). Performance assessment

MCE/22

**EN 17521:2021**

Foodstuffs. Determination of Alternaria toxins in tomato, wheat and sunflower seeds by SPE clean-up and HPLC-MS/MS

AW/275

**EN 17539:2021**

Modular mechanical locked floor coverings (MMF). Determination of geometrical characteristics

PRI/60

**EN 17543:2021**

Conservation of Cultural Heritage. Finishes of built heritage. Investigation and documentation

B/560

**EN 17556:2021**

Inland navigation vessels. Safety rota and safety plans for passenger vessels

SME/32

**EN ISO 17664-1:2021**

Processing of health care products. Information to be provided by the medical device manufacturer for the processing of medical devices. Critical and semi-critical medical devices

CH/198

(ISO 17664-1:2021)

**EN ISO 17892-12:2018/A1:2021**

Geotechnical investigation and testing. Laboratory testing of soil. Determination of liquid and plastic limits

B/526/3

(ISO 17892-12:2018/Amd 1:2021)

**EN ISO 18363-4:2021**

Animal and vegetable fats and oils. Determination of fatty-acid-bound chloropropane diols (MCPDs) and glycidol by GC/MS. Method using fast alkaline transesterification and measurement for 2-MCPD, 3-MCPD and glycidol by GC-MS/MS

AW/307

(ISO 18363-4:2021)

**EN ISO 18513:2021**

Tourism services. Hotels and other types of tourism accommodation. Vocabulary

SVS/2

(ISO 18513:2021)

**EN ISO 18589-4:2021**

Measurement of radioactivity in the environment. Soil. Plutonium 238 and plutonium 239 + 240. Test method using alpha spectrometry

NCE/2

(ISO 18589-4:2019)

**EN 10132:2021**

Cold rolled narrow steel strip for heat treatment. Technical delivery conditions

ISE/105

**EN ISO 20785-4:2021**

Dosimetry for exposures to cosmic radiation in civilian aircraft. Validation of codes

NCE/2  
(ISO 20785-4:2019)

**EN ISO 21392:2021**

Cosmetics. Analytical methods. Measurement of traces of heavy metals in cosmetic finished products using ICP/MS technique

CW/217  
(ISO 21392:2021)

**EN ISO 21393:2021**

Genomics informatics. Omics Markup Language (OML)

IST/35  
(ISO 21393:2021)

**EN ISO 21563:2021**

Dentistry. Hydrocolloid impression materials

CH/106/2  
(ISO 21563:2021)

**EN ISO 21676:2021**

Water quality. Determination of the dissolved fraction of selected active pharmaceutical ingredients, transformation products and other organic substances in water and treated waste water. Method using high performance liquid chromatography and mas

EH/3/2  
(ISO 21676:2018)

**EN ISO 22476-4:2021**

Geotechnical investigation and testing. Field testing. Prebored pressure meter test by Mv@nard procedure

B/526/3  
(ISO 22476-4:2021)

**EN ISO 22517:2021**

Leather. Chemical tests. Determination of pesticide residues content

TCI/69

**EN ISO 22553-7:2021**

Paints and varnishes. Electro-deposition coatings. Electrical wet-film resistance

STI/10  
(ISO 22553-7:2020)

**EN ISO 22553-8:2021**

Paints and varnishes. Electro-deposition coatings. Electric charge density

STI/10  
(ISO 22553-8:2020)

**EN ISO 22553-9:2021**

Paints and varnishes. Electro-deposition coatings. Stoving loss

STI/10  
(ISO 22553-9:2020)

**EN ISO 22553-11:2021**

Paints and varnishes. Electro-deposition coatings. Bath stability

STI/10  
(ISO 22553-11:2020)

**EN ISO 22553-12:2021**

Paints and varnishes. Electro-deposition coatings. Sedimentation on horizontal areas

STI/10  
(ISO 22553-12:2020)

**EN ISO 22940:2021**

Solid recovered fuels. Determination of elemental composition by X-ray fluorescence

PTI/17  
(ISO 22940:2021)

**EN ISO 20042:2021**

Measurement of radioactivity. Gamma-ray emitting radionuclides. Generic test method using gamma-ray spectrometry

NCE/2  
(ISO 20042:2019)

**EN ISO 39993:2021**

Textiles. Qualification symbols for labelling workwear to be industrially laundered

TCI/82  
(ISO 39993:2021)

**EN 50524:2021**

Data sheet for photovoltaic inverters

GEL/82

**EN 50708-2-5:2021**

Power transformers. Additional European requirements. Medium power transformer. Single phase

PEL/14

**EN 60898-2:2021**

Electrical accessories. Circuit-breakers for overcurrent protection for household and similar installations. Circuit-breakers for a.c. and d.c. operation

PEL/23/1  
(IEC 60898-2:2016, modified)

**EN 61666:2010/A1:2021**

Industrial systems, installations and equipment and industrial products. Identification of terminals within a system

GEL/3  
(IEC 61666:2010/A1:2021)

**EN 62133-2:2017/A1:2021**

Secondary cells and batteries containing alkaline or other non-acid electrolytes. Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications. Lithium systems

PEL/21  
(IEC 62133-2:2017/AMD1:2021)

**EN 62563-1:2010/A2:2021**

Medical electrical equipment. Medical image display systems. Evaluation methods

CH/62/2  
(IEC 62563-1:2009/AMD2:2021)

**CEN REPORTS**

**CEN/TR 15071:2020/AC:2021**

Safety of toys. National translations of warnings and instructions for use in the EN 71 series

CW/15

**CEN/TR 22930-1:2021**

Evaluating the performance of continuous air monitors. Air monitors based on accumulation sampling techniques

NCE/2  
(ISO/TR 22930-1:2020)

**CEN /CLC/TR 17603-20-05:2021**

Space engineering. High voltage engineering and design handbook

ACE/68

**CEN /CLC/TR 17603-31-01:2021**

Space Engineering. Thermal design handbook. View factors

ACE/68

**CEN /CLC/TR 17603-31-02:2021**

Space Engineering. Thermal design handbook. Holes, Grooves and Cavities

ACE/68

**CEN /CLC/TR 17603-31-03:2021**

Space Engineering. Thermal design handbook. Spacecraft Surface Temperature

ACE/68

**CEN /CLC/TR 17603-31-04:2021**

Space Engineering. Thermal design handbook. Conductive Heat Transfer

ACE/68

**CEN /CLC/TR 17603-31-05:2021**

Space Engineering. Thermal design handbook. Structural Materials: Metallic and Composite

ACE/68

**CEN /CLC/TR 17603-31-06:2021**

Space Engineering. Thermal design handbook. Thermal Control Surfaces

ACE/68

**CEN /CLC/TR 17603-31-07:2021**

Space Engineering. Thermal design handbook. Insulations

ACE/68

**CEN /CLC/TR 17603-31-08:2021**

Space Engineering. Thermal design handbook. Heat Pipes

ACE/68

**CEN /CLC/TR 17603-31-09:2021**

Space Engineering. Thermal design handbook. Radiators

ACE/68

**CEN /CLC/TR 17603-31-10:2021**

Space engineering. Thermal design handbook. Phase. Change Capacitor

ACE/68

**CEN /CLC/TR 17603-31-11:2021**

Space engineering. Thermal design handbook. Electrical Heating

ACE/68

**CEN /CLC/TR 17603-31-12:2021**

Space Engineering. Thermal design handbook. Louvers

ACE/68

**CEN /CLC/TR 17603-31-13:2021**

Space Engineering. Thermal design handbook. Fluid Loops

ACE/68

**CEN /CLC/TR 17603-31-14:2021**

Space Engineering. Thermal design handbook. Cryogenic Cooling

ACE/68

**CEN /CLC/TR 17603-31-15:2021**

Space Engineering. Thermal design handbook. Existing Satellites

ACE/68

**CEN /CLC/TR 17603-31-16:2021**

Space Engineering. Thermal design handbook. Thermal Protection System

ACE/68

**CEN ISO/TR 22930-2:2021**

Evaluating the performance of continuous air monitors. Air monitors based on flowthrough sampling techniques without accumulation

NCE/2

(ISO/TR 22930-2:2020)

**CEN TECHNICAL SPECIFICATIONS****CEN ISO/TS 23758:2021**

Guidelines for the validation of qualitative screening methods for the detection of residues of veterinary drugs in milk and milk products

AW/5

(ISO/TS 23758:2021)

**CEN ISO/TS 82304-2:2021**

Health software. Health and wellness apps. Quality and reliability

IST/35

**CENELEC PUBLICATIONS****EUROPEAN RATIFIED TEXTS**

The documents listed below have recently been issued by CENELEC but have not yet been published as BS ENs. BSI has an obligation to adopt all ENs and to withdraw any conflicting British Standards (BSs) or parts of BSs. The following will be implemented as BS ENs or as amendments to BS ENs shortly. Notification of their implementation will be given in the BS EN Publications section of the relevant edition of Update Standards.

**EN IEC 60152:2021**

Designation of phase differences by hour numbers in three-phase AC systems

GEL/3

(IEC 60152:2021)

**EN IEC 60335-2-87:2020/A1:2021**

Household and similar electrical appliances. Safety. Particular requirements for electrical animal-stunning equipment

CPL/61/8

(IEC 60335-2-87:2016/A1:2018)

**EN IEC 60384-1:2021**

Fixed capacitors for use in electronic equipment. Generic specification

WI/-

(IEC 60384-1:2021)

**EN IEC 60384-24:2021**

Fixed capacitors for use in electronic equipment. Sectional specification. Fixed tantalum electrolytic surface mount capacitors with conductive polymer solid electrolyte

WI/-

(IEC 60384-24:2021)

**EN IEC 60384-25:2021**

Fixed capacitors for use in electronic equipment. Sectional specification: Fixed aluminium electrolytic surface mount capacitors with conductive polymer solid electrolyte

WI/-

(IEC 60384-25:2021)

**EN IEC 60404-6:2018/A1:2021**

Magnetic materials. Methods of measurement of the magnetic properties of magnetically soft metallic and powder materials at frequencies in the range 20 Hz to 100kHz by the use of ring specimens

ISE/108

(IEC 60404-6:2018/AMD1:2021)

**EN IEC 60404-11:2021**

Magnetic materials. Methods of measurement of the surface insulation resistance of electrical steel strip and sheet

ISE/108

(IEC 60404-11:2021)

**EN IEC 60445:2021**

Basic and safety principles for man-machine interface, marking and identification. Identification of equipment terminals, conductor terminations and conductors

GEL/3

(IEC 60445:2021)

**EN IEC 60455-3-8:2021**

Resin based reactive compounds used for electrical insulation. Specifications for individual materials. Resins for cable accessories

GEL/15

(IEC 60455-3-8:2021)

**EN IEC 60545:2021**

Guidelines for commissioning and operation of hydraulic turbines, pump-turbines and storage pumps

MCE/15

(IEC 60545:2021)

**EN IEC 60601-2-1:2021**

Medical electrical equipment. Particular requirements for the basic safety and essential performance of electron accelerators in the range 1 MeV to 50 MeV

CH/62/3

(IEC 60601-2-1:2020)

**EN IEC 60601-2-21:2021**

Medical electrical equipment. Particular requirements for the basic safety and essential performance of infant radiant warmers

CH/62/4

(IEC 60601-2-21:2020)

**EN IEC 60695-4:2021**

Fire hazard testing. Terminology concerning fire tests for electrotechnical products

GEL/89

(IEC 60695-4:2021)

**EN IEC 60757:2021**

Code for designation of colours

GEL/3

(IEC 60757:2021)

**EN IEC 60794-1-31:2021**

Optical fibre cables. Generic specification. Optical cable elements. Optical fibre ribbon

GEL/86/1

(IEC 60794-1-31:2021)

**EN IEC 60851-1:2021**

Winding wires. Test methods. General

LI-/99

(IEC 60851-1:2021)

**EN IEC 60938-1:2021**

Fixed inductors for electromagnetic interference suppression. Generic specification

WI/-

(IEC 60938-1:2021)

**EN IEC 60938-2:2021**

Fixed inductors for electromagnetic interference suppression. Sectional specification on power line chokes

WI/-

(IEC 60938-2:2021)

**EN IEC 61076-2-011:2021**

Connectors for electrical and electronic equipment. Product requirements. Circular connectors. Detail specification for B12 bayonet coupling connectors based on mating interfaces according to IEC 61076-2-101 and IEC 61076-2-109

EPL/48

(IEC 61076-2-011:2021)

**EN IEC 61280-1-3:2021**

Fibre optic communication subsystem test procedures. General communication subsystems. Measurement of central wavelength, spectral width and additional spectral characteristics

GEL/86/3

(IEC 61280-1-3:2021)

**EN IEC 61300-3-7:2021**

Fibre optic interconnecting devices and passive components. Basic test and measurement procedures. Examinations and measurements. Wavelength dependence of attenuation and return loss of single mode components

GEL/86/2

(IEC 61300-3-7:2021)

**EN IEC 61316:2021**

Industrial cable reels

PEL/23/4

(IEC 61316:2021)

**EN IEC 61318:2021**

Live working. Methods for assessment of defects and verification of performance applicable to tools, devices and equipment

PEL/78

(IEC 61318:2021)

**EN IEC 61724-1:2021**

Photovoltaic system performance. Monitoring  
GEL/82  
(IEC 61724-1:2021)

**EN IEC 61753-085-02:2021**

Fibre optic interconnecting devices and passive components. Performance standard. Non-connectorized single-mode pigtailed CWDM devices for category C. Indoor controlled environment  
GEL/86/2  
(IEC 61753-085-02:2021)

**EN IEC 61757-5-1:2021**

Fibre optic sensors. Tilt measurement. Tilt sensors based on fibre Bragg gratings  
GEL/86/3  
(IEC 61757-5-1:2021)

**EN IEC 61760-2:2021**

Surface mounting technology. Transportation and storage conditions of surface mounting devices (SMD). Application guide  
EPL/501  
(IEC 61760-2:2021)

**EN IEC 61936-1:2021**

Power installations exceeding 1 kV AC and 1,5 kV DC. AC  
PEL/99  
(IEC 61936-1:2021)

**EN IEC 61970-600-1:2021**

Energy management system application program interface (EMS-API). Common Grid Model Exchange Standard (CGMES). Structure and rules  
PEL/57  
(IEC 61970-600-1:2021)

**EN IEC 61970-600-2:2021**

Energy management system application program interface (EMS-API). Common Grid Model Exchange Specification (CGMES). Exchange profiles specification  
PEL/57  
(IEC 61970-600-2:2021)

**EN IEC 61010-2-051:2021**

Safety requirements for electrical equipment for measurement, control and laboratory use. Particular requirements for laboratory equipment for mixing and stirring  
EPL/66  
(IEC 61010-2-051:2018)

**EN IEC 61010-2-051:2021/A11:2021**

Safety requirements for electrical equipment for measurement, control and laboratory use. Particular requirements for laboratory equipment for mixing and stirring  
EPL/66

**EN IEC 61010-2-061:2021**

Safety requirements for electrical equipment for measurement, control and laboratory use. Particular requirements for laboratory atomic spectrometers with thermal atomization and ionization  
EPL/66  
(IEC 61010-2-061:2018)

**EN IEC 62056-3-1:2021**

Electricity metering data exchange. The DLMS/COSEM suite. Use of local area networks on twisted pair with carrier signalling  
PEL/13  
(IEC 62056-3-1:2021)

**EN IEC 62153-4-7:2021**

Metallic cables and other passive components test methods. Electromagnetic compatibility (EMC). Test method for measuring of transfer impedance  $Z_T$  and screening attenuation  $a_s$  or coupling attenuation  $a_c$  of connectors and assemblies. Triaxial tube in tube method  
EPL/46  
(IEC 62153-4-7:2021)

**EN IEC 62271-100:2021**

High-voltage switchgear and controlgear. Alternating current circuit-breakers  
PEL/17  
(IEC 62271-100:2021)

**EN IEC 62271-112:2021**

High-voltage switchgear and controlgear. Alternating current high-speed earthing switches for secondary arc extinction on transmission lines  
PEL/17  
(IEC 62271-112:2021)

**EN IEC 62271-213:2021**

High-voltage switchgear and controlgear. Voltage detecting and indicating system  
PEL/17  
(IEC 62271-213:2021)

**EN IEC 62271-215:2021**

High-voltage switchgear and controlgear. Phase comparator used with VDIS  
PEL/17  
(IEC 62271-215:2021)

**EN IEC 62841-4-3:2021**

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery. Safety. Particular requirements for pedestrian controlled walk-behind lawnmowers  
CPL/116  
(IEC 62841-4-3:2020)

**EN IEC 62841-4-3:2021/A11:2021**

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery. Safety. Particular requirements for pedestrian controlled walk-behind lawnmowers  
CPL/116

**EN IEC 62878-2-602:2021**

Device embedding assembly technology. Guideline for stacked electronic module. Evaluation method of inter-module electrical connectivity  
EPL/501  
(IEC 62878-2-602:2021)

**EN IEC 63044-4:2021**

Home and building electronic systems (HBES) and building automation and control systems (BACS). General functional safety requirements for products intended to be integrated in HBES and BACS  
PEL/23  
(IEC 63044-4:2021)

**EN IEC 63044-6:2021**

Home and building electronic systems (HBES) and building automation and control systems (BACS). Requirements for planning and installation  
PEL/23  
(IEC 63044-6:2021)

**EN IEC 63052:2021**

Power frequency overvoltage protective devices (POPs) for household and similar applications  
PEL/23/1  
(IEC 63052:2019+COR1:2019)

**EN IEC 63112:2021**

Photovoltaic (PV) arrays. Earth fault protection equipment. Safety and safety-related functionality  
GEL/82  
(IEC 63112:2021)

**EN IEC 63173-1:2021**

Maritime navigation and radiocommunication equipment and systems. Data interface. S-421 route plan based on S-100  
EPL/80  
(IEC 63173-1:2021)

**EN IEC 63203-101-1:2021**

Wearable electronic devices and technologies. Terminology  
AMT/9  
(IEC 63203-101-1:2021)

**EN IEC 63249-1:2021**

Waveguide to coaxial adapters. Generic specification. General requirements and test methods  
EPL/46  
(IEC 63249-1:2021)

**EN IEC 63296-1:2021**

Portable multimedia equipment. Determination of battery duration. Powered loudspeaker equipment  
EPL/100  
(IEC 63296-1:2021)

**EN IEC 63999:2021**

Interoperability specifications and communication method for external power supplies used with computing and consumer electronics devices  
EPL/100  
(IEC 63999:2021)

**EN IEC 60076-22-8:2021**

Power transformers. Power transformer and reactor fittings. Devices suitable for use in communication networks  
PEL/14  
(IEC 60076-22-8:2021)

**EN IEC 60068-2-21:2021**

Environmental testing. Tests. Test U: Robustness of terminations and integral mounting devices  
EPL/501  
(IEC 60068-2-21:2021)

**CLC/TS 50152-4:2021**

Railway applications. Fixed installations. Particular requirements for AC switchgear. AC metal-enclosed traction switchgear  
GEL/9/3





## Shining a light on workplace best practices with a new standard

Every organization needs to ensure that they are working to best practice when it comes to workplace lighting. Providing efficient and effective good quality lighting in your indoor work environment contributes to higher work productivity and performance from

your employees. Our new standard, **BS EN 12464-1:2021** specifies requirements for lighting solutions for most indoor workplaces to help organizations achieve this.



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**CLC/TR 50600-99-1:2021**

Information technology. Data centre facilities and infrastructures. Recommended practices for energy management

TCT/7

**CLC/TR 50600-99-2:2021**

Information technology. Data centre facilities and infrastructures. Recommended practices for environmental sustainability

TCT/7

**HARMONIZATION DOCUMENTS**

**HD 60364-8-2:2018/A12:2021**

Low-voltage electrical installations. Prosumer's low-voltage electrical installations

JPEL/64

**IEC PUBLICATIONS**

It is BSI policy to supply the UK version of all adopted standards, which are published as British standards, unless otherwise requested.

The following IEC publications are available from BSI Customer Services (see 'How to order' on page 2).

**IEC 60143-2:2012/AMD1:2021**

Series capacitors for power systems. Protective equipment for series capacitor banks

PEL/33

**IEC 60335-2-24:2020/COR1:2021**

Household and similar electrical appliances. Safety. Particular requirements for refrigerating appliances, ice-cream appliances and ice-makers

CPL/61

**IEC 60335-2-74:2021**

Household and similar electrical appliances. Safety. Particular requirements for portable immersion heaters

£65.52 members, £72.80 non-members

CPL/61

**IEC 60335-2-89:2019/COR2:2021**

Household and similar electrical appliances. Safety. Particular requirements for commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor

CPL/61

**IEC 60335-2-118:2020/COR1:2021**

Household and similar electrical appliances. Safety. Particular requirements for professional ice-cream makers

CPL/61

**IEC 60335-2-119:2021**

Household and similar electrical appliances. Safety. Particular requirements for commercial vacuum packaging appliances

£104.40 members, £116.00 non-members

CPL/61

**IEC 60384-1:2021**

Fixed capacitors for use in electronic equipment. Generic specification

£223.20 members, £248.00 non-members

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**IEC 60384-24:2021**

Fixed capacitors for use in electronic equipment. Sectional specification. Fixed tantalum electrolytic surface mount capacitors with conductive polymer solid electrolyte

£147.60 members, £164.00 non-members

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**IEC 60444-6:2021**

Measurement of quartz crystal unit parameters. Measurement of drive level dependence (DLD)

£104.40 members, £116.00 non-members

EPL/49

**IEC 60601-2-41:2021**

Medical electrical equipment. Particular requirements for the basic safety and essential performance of surgical luminaires and luminaires for diagnosis

£201.60 members, £224.00 non-members

CH/62/4

**IEC 60695-2-13:2021**

Fire hazard testing. Glowing/hot-wire based test methods. Glow-wire ignition temperature (GWIT) test method for materials

£50.40 members, £56.00 non-members

GEL/89

**IEC 60700-2:2016/A1:2021**

Thyristor valves for high voltage direct current (HVDC) power transmission. Terminology

£14.40 members, £16.00 non-members

PEL/22

**IEC 60938-2:2021**

Fixed inductors for electromagnetic interference suppression. Sectional specification on power line chokes

£147.60 members, £164.00 non-members

W/-

**IEC 60958-3:2021**

Digital audio interface. Consumer applications

£223.20 members, £248.00 non-members

EPL/100

**IEC 61000-3-2:2018/A1:2020/ISH1:2021**

Electromagnetic compatibility (EMC). Limits. Limits for harmonic current emissions (equipment input current ≤16 A per phase)

GEL/210/11

**IEC 61169-54:2021**

Radio frequency connectors. Sectional specification for coaxial connectors with 10 mm inner diameter of outer conductor, nominal characteristic impedance 50Ω, series 4,3-1

£192.24 members, £213.60 non-members

EPL/46

**IEC 61189-2-807:2021**

Test methods for electrical materials, printed boards and other interconnection structures and assemblies. Test methods for materials for interconnection structures. Decomposition temperature (T<sub>d</sub>) using TGA

£28.80 members, £32.00 non-members

EPL/501

**IEC 61196-6-1:2021**

Coaxial communication cables. Blank detail specification for CATV drop cables

£65.52 members, £72.80 non-members

EPL/46

**IEC 61196-6:2021**

Coaxial communication cables. Sectional specification for CATV drop cables

£98.64 members, £109.60 non-members

EPL/46

**IEC 61300-3-7:2021**

Fibre optic interconnecting devices and passive components. Basic test and measurement procedures. Examinations and measurements. Wavelength dependence of attenuation and return loss of single mode components

£147.60 members, £164.00 non-members

GEL/86/2

**IEC/TS 61340-5-4:2021**

Electrostatics. Protection of electronic devices from electrostatic phenomena. Compliance verification

£223.20 members, £248.00 non-members

GEL/101

**IEC 61753-111-07:2021**

Fibre optic interconnecting devices and passive components. Performance standard. Sealed closures. Category A. Aerial

£126.00 members, £140.00 non-members

GEL/86/2

**IEC 61757-5-1:2021**

Fibre optic sensors. Tilt measurement. Tilt sensors based on fibre Bragg gratings

£104.40 members, £116.00 non-members

GEL/86/3

**IEC 61788-23:2021**

Superconductivity. Residual resistance ratio measurement. Residual resistance ratio of cavity-grade Nb superconductors

£164.16 members, £182.40 non-members

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**IEC 62047-40:2021**

Semiconductor devices. Micro-electromechanical devices. Test methods of micro-electromechanical inertial shock switch threshold

£28.80 members, £32.00 non-members

EPL/47

**IEC 62153-4-5:2021**

Metallic communication cable test methods. Electromagnetic compatibility (EMC). Screening or coupling attenuation. Absorbing clamp method

£176.40 members, £196.00 non-members

EPL/46



## New international standard tackles how to embed cybersecurity in road vehicle systems

As connected and autonomous vehicles continue to develop, their cyber security is clearly a growing issue. Therefore, to help safeguard road vehicles we've published: **BS ISO/SAE 21434:2021 Road vehicles – Cybersecurity engineering**. This is a first international standard embedding cybersecurity in vehicle electronic and electrical (E/E) systems. It builds on and now replaces the recommended practice in SAE J3061.



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**IEC 62153-4-16:2021**

Metallic cables and other passive components test methods. Electromagnetic compatibility (EMC). Extension of the frequency range to higher frequencies for transfer impedance and to lower frequencies for screening attenuation measurements using the triaxial set-up  
£104.40 members, £116.00 non-members

EPL/46

**IEC 62262:2002/A1:2021**

Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)

£14.40 members, £16.00 non-members

GEL/70

**IEC 62321-2:2021**

Determination of certain substances in electrotechnical products. Disassembly, disjointment and mechanical sample preparation

£201.60 members, £224.00 non-members

GEL/111

**IEC 62321-9:2021**

Determination of certain substances in electrotechnical products. Hexabromocyclododecane in polymers by chromatography-mass spectrometry (GC-MS)

£147.60 members, £164.00 non-members

GEL/111

**IEC 62435-9:2021**

Electronic components. Long-term storage of electronic semiconductor devices. Special cases

£50.40 members, £56.00 non-members

EPL/47

**IEC 62605:2021**

Multimedia systems and equipment. Multimedia e-publishing and e-books. Interchange format for e-dictionaries

£252.00 members, £280.00 non-members

EPL/100

**IEC 62841-4-5:2021**

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery. Safety. Particular requirements for grass shears

£223.20 members, £248.00 non-members

CPL/116

**IEC 62899-503-3:2021**

Printed electronics. Quality assessment. Measuring method of contact resistance for the printed thin film transistor. Transfer length method

£50.40 members, £56.00 non-members

AMT/9

**IEC 62922:2016/A1:2021**

Organic light emitting diode (OLED) panels for general lighting. Performance requirements

£50.40 members, £56.00 non-members

CPL/34/1

**IEC/TR 62999-4:2021**

High-voltage direct current (HVDC) systems. Guidance to the specification and design evaluation of AC filters. Equipment

£237.60 members, £264.00 non-members

PEL/22

**IEC/TR 62999-5:2021**

High-voltage direct current (HVDC) systems. Guidance to the specification and design evaluation of AC filters. AC side harmonics and appropriate harmonic limits for HVDC systems with voltage sourced converters (VSC)

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PEL/22

**IEC/TR 63025:2021**

Insulating liquids. Quantitative determination of methanol and ethanol in insulating liquids

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GEL/10

**IEC/TS 63042-102:2021**

UHV AC transmission systems. General system design

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**IEC 63087-1:2021**

Assistive listening devices and systems for active assisted living. General

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**IEC/TS 63102:2021**

Grid code compliance assessment methods for grid connection of wind and PV power plants

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Nuclear power plants. Instrumentation and control systems important to safety. Criteria for seismic trip system

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Managing fire risk related to photovoltaic (PV) systems on buildings

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**IEC 63244-1:2021**

Semiconductor devices. Semiconductor devices for wireless power transfer and charging. General requirements and specifications

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EPL/47

**IEC/TR 63308:2021**

Virtual reality equipment and systems. Market, technology and standards requirements

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EPL/100

**IEC 60050-103:2009/A4:2021**

International Electrotechnical Vocabulary (IEV). Mathematics. Functions

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GEL/1

**IEC 60050-131:2002/A5:2021**

International Electrotechnical Vocabulary (IEV). Circuit theory

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**IEC 60050-466:1990/A3:2021**

International Electrotechnical Vocabulary (IEV). Overhead lines

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**IEC 60050-561:2014/A4:2021**

International Electrotechnical Vocabulary (IEV). Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection

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GEL/1

**IEC 60050-705:1995/A7:2021**

International Electrotechnical Vocabulary (IEV). Radio wave propagation

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**IEC 60050-715:1996/A3:2021**

International Electrotechnical Vocabulary (IEV). Telecommunication networks, teletraffic and operation

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**IEC 60050-721:1991/A5:2021**

International Electrotechnical Vocabulary (IEV). Telegraphy, facsimile and data communication

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**IEC 60050-723:1997/A7:2021**

International Electrotechnical Vocabulary (IEV). Broadcasting: Sound, television, data

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**IEC 60050-726:1982/A7:2021**

International Electrotechnical Vocabulary (IEV). Transmission lines and waveguides

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**IEC 60050-801:1994/A4:2021**

International Electrotechnical Vocabulary (IEV). Acoustics and electroacoustics

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**IEC 60050-811:2017/A1:2021**

International Electrotechnical Vocabulary (IEV). Electric traction

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GEL/1

**IEC 60095-2:2021**

Lead-acid starter batteries. Dimensions of batteries and dimensions and marking of terminals

£176.40 members, £196.00 non-members

PEL/21

## ISO PUBLICATIONS

It is BSI policy to supply the UK version of all adopted standards, which are published as British standards, unless otherwise requested.

The following ISO publications are available from BSI Customer Services (see 'How to order' on page 2).

### ISO 567:2021

Coke. Determination of bulk density in a small container

£112.00 members, £56.00 non-members

PTI/16

*Will be implemented as an identical British Standard*

### ISO/SAE 21434:2021

Road vehicles. Cybersecurity engineering

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AUE/32

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### ISO 1247-1:2021

Aluminium pigments for paints. General aluminium pigments

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STV1

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### ISO 1247-2:2021

Aluminium pigments for paints. Vacuum metallized aluminium pigments

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### ISO 2403:2021

Textiles. Cotton fibres. Determination of micronaire value

£42.30 members, £47.00 non-members

TCI/24

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### ISO 2575:2021

Road vehicles. Symbols for controls, indicators and tell-tales

£128.70 members, £143.00 non-members

AUE/12

*Will be implemented as an identical British Standard*

### ISO 2889:2021

Sampling airborne radioactive materials from the stacks and ducts of nuclear facilities

£143.10 members, £159.00 non-members

NCE/2

*Will be implemented as an identical British Standard*

### ISO 3031:2021

Rolling bearings. Thrust needle roller and cage assemblies, thrust washers. Boundary dimensions, geometrical product specifications (GPS) and tolerance values

£42.30 members, £47.00 non-members

MCE/7

*Will be implemented as an identical British Standard*

### ISO/TS 3250:2021

Petroleum, petrochemical and natural gas industries. Calculation and reporting production efficiency in the operating phase

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PSE/17/67

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### ISO 3381:2021

Railway applications. Acoustics. Noise measurement inside railbound vehicles

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EH/1/2

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### ISO 3834-1:2021

Quality requirements for fusion welding of metallic materials. Criteria for the selection of the appropriate level of quality requirements

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WEE/36

*Will be implemented as an identical British Standard*

### ISO 4000-1:2021

Passenger car tyres and rims. Tyres (metric series)

£42.30 members, £47.00 non-members

AUE/4

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### ISO/TR 4286:2021

Intelligent transport systems. Use cases for sharing of probe data

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EPL/278

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### ISO/TR 4445:2021

Intelligent transport systems. Mobility integration. Role model of ITS service application in smart cities

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EPL/278

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### ISO 4568:2021

Ships and marine technology. Sea-going vessels. Windlasses and anchor capstans

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SME/32

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### ISO/TR 4644:2021

Nickels, ferronickels and nickel alloys. Standards for the determination of chemical composition

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### ISO 4779:2021

Chain components for lifting purposes. Forged eye hook with point and latch. Grade 4, stainless steel, solution annealed

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MHE/1

*Will be implemented as an identical British Standard*

### ISO 5470-2:2021

Rubber- or plastics-coated fabrics. Determination of abrasion resistance. Martindale abrader

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PRU/70

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### ISO/TR 5729:2021

Evaluation of physical parameters of filter paper substrates for the determination of the ignition propensity of cigarettes

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### ISO/IEC 5962:2021

Information technology. SPDX® Specification V2.2.1

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Rubber- or plastics-coated fabrics. Determination of resistance to liquids

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Internal combustion engines. Piston rings. Rectangular rings made of cast iron

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### ISO 6689:2021

Equipment for harvesting. Combine harvesters and functional components. Vocabulary

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### ISO 6717:2021

In vitro diagnostic medical devices. Single-use containers for the collection of specimens from humans other than blood

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### ISO 6877:2021

Dentistry. Endodontic obturating materials

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**ISO 6888-1:2021**

Microbiology of the food chain. Horizontal method for the enumeration of coagulase-positive staphylococci (*Staphylococcus aureus* and other species). Methodising Baird-Parker agar medium  
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Microbiology of the food chain. Horizontal method for the enumeration of coagulase-positive staphylococci (*Staphylococcus aureus* and other species). Methodising rabbit plasma fibrinogen agar medium  
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 AW/9  
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**ISO 7299-2:2021**

Diesel engines. End-mounting flanges for pumps. High-pressure supply pumps for common rail fuel injection systems  
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 MCE/22  
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**ISO 7668:2021**

Anodizing of aluminium and its alloys. Measurement of specular reflectance and specular gloss of anodic oxidation coatings at angles of 20°, 45°, 60° or 85°  
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 STI/33  
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**ISO/IEC 7816-8:2021**

Identification cards. Integrated circuit cards. Commands and mechanisms for security operations  
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 ACE/69  
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Refractory materials. Determination of bulk density of granular materials (grain density)  
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**ISO 9211-7:2021**

Optics and photonics. Optical coatings. Minimum requirements for neutral beam splitter coatings  
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 CPW/172  
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**ISO/TR 9901:2021**

Solar energy. Pyranometers. Recommended practice for use  
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**ISO 9982:2021**

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 MCE/10  
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**ISO/IEC/IEEE 8802-1AX:2021**

Telecommunications and exchange between information technology systems. Requirements for local and metropolitan area networks. Link aggregation  
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 IST/6  
*Will be implemented as an identical British Standard*

**ISO 10191:2021**

Passenger car tyres. Verifying tyre capabilities. Laboratory test methods  
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 AUE/4  
*Will be implemented as an identical British Standard*

**ISO 10261:2021**

Earth-moving machinery. Product identification numbering system  
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 B/513/1  
*Will be implemented as an identical British Standard*

**ISO 10360-10:2021**

Geometrical product specifications (GPS). Acceptance and reverification tests for coordinate measuring systems (CMS). Laser trackers  
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 TPR/1  
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**ISO 10360-13:2021**

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 TPR/1  
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**ISO 10522:2021**

Agricultural irrigation equipment. Direct-acting pressure-regulating valves  
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 AGE/30  
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**ISO 10819:2013/A2:2021**

Mechanical vibration and shock. Hand-arm vibration. Measurement and evaluation of the vibration transmissibility of gloves at the palm of the hand  
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 GME/21/6/1  
*Will be implemented as an identical British Standard*

**ISO/IEC 10918-7:2021**

Information technology. Digital compression and coding of continuous-tone still images. Reference software  
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 IST/37  
*Will not be implemented as a British Standard*

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Sensory analysis. Methodology. Guidelines for the measurement of the performance of a quantitative descriptive sensory panel  
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 AW/12  
*Will be implemented as an identical British Standard*

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Building environment design. Embedded radiant heating and cooling systems. Determination of the design heating and cooling capacity  
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 RHE/2  
*Will be implemented as an identical British Standard*

**ISO 11855-5:2021**

Building environment design. Embedded radiant heating and cooling systems. Installation  
 £42.30 members, £47.00 non-members  
 RHE/2  
*Will be implemented as an identical British Standard*

**ISO 11901-3:2021**

Tools for pressing. Gas springs. Gas spring with increased spring force and compact built height  
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 MTE/12  
*Will be implemented as an identical British Standard*

**ISO 11901-4:2021**

Tools for pressing. Gas springs. Gas springs with increased spring force and same built height  
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 MTE/12  
*Will be implemented as an identical British Standard*

**ISO 11009:2021**

Petroleum products and lubricants. Determination of water washout characteristics of lubricating greases  
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 PTI/13  
*Will be implemented as an identical British Standard*

**ISO 12219-1:2021**

Interior air of road vehicles. Whole vehicle test chamber. Specification and method for the determination of volatile organic compounds in cabin interiors  
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 EH/2/5  
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**ISO 12616-1:2021**

Terminology work in support of multilingual communication. Fundamentals of translation-oriented terminography  
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 TS/1  
*Will be implemented as an identical British Standard*

**ISO 12625-7:2021**

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PRI/82

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**ISO 13000-2:2021**

Plastics. Polytetrafluoroethylene (PTFE) semi-finished products. Preparation of test specimens and determination of properties

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PRI/82

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**ISO 13091-2:2021**

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GME/21/6

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Meat and meat products. Determination of chloramphenicol content. Reference method

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AW/6

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Passenger car and light truck vehicle wheels. Clip and adhesive balance weight and rim flange nomenclature, test procedures and performance requirements

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SFS/1

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SFS/1

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PH/9/-1

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GME/21/6/1

*Will be implemented as an identical British Standard*

**ISO 16000-6:2021**

Indoor air. Determination of organic compounds (VVOC, VOC, SVOC) in indoor and test chamber air by active sampling on sorbent tubes, thermal desorption and gas chromatography using MS or MS FID

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EH/2/5

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**ISO 16438:2021**

Agricultural irrigation equipment. Thermoplastic collapsible hoses for irrigation. Specifications and test methods

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AGE/30

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**ISO 16684-3:2021**

Graphic technology. Extensible metadata platform (XMP) specification. JSON-LD serialization of XMP

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IDT/1

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**ISO 16900-6:2021**

Respiratory protective devices. Methods of test and test equipment. Mechanical resistance/strength of components and connections

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PH/4

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**ISO/IEC 17030:2021**

Conformity assessment. General requirements for third-party marks of conformity

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CAS/1

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**ISO/TS 17137:2021**

Cardiovascular implants and extracorporeal systems. Cardiovascular absorbable implants

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CH/150/2

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**ISO/TR 17400:2021**

Space systems. Space launch complexes, integration sites and other facilities. General testing guidelines

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ACE/68

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**ISO/TS 17573-3:2021**

Electronic fee collection. System architecture for vehicle-related tolling. Data dictionary

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EPL/278

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**ISO 17721-1:2021**

Quantitative determination of antibacterial activity of ceramic tile surfaces. Test methods. Ceramic tile surfaces with incorporated antibacterial agents

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B/539

*Will be implemented as an identical British Standard*

**ISO 17721-2:2021**

Quantitative determination of antibacterial activity of ceramic tile surfaces. Test methods. Ceramic tile surfaces with incorporated photocatalytic antibacterial agents

£42.30 members, £47.00 non-members

B/539

*Will be implemented as an identical British Standard*

**ISO 17892-12:2018/A1:2021**

Geotechnical investigation and testing. Laboratory testing of soil. Determination of liquid and plastic limits

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B/526/3

*Will be implemented as an identical British Standard*

**ISO/IEC 18014-2:2021**

Information security. Time-stamping services. Mechanisms producing independent tokens

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IST/33/2

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**ISO/IEC 18033-1:2021**

Information security. Encryption algorithms. General

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IST/33/2

*Will be implemented as an identical British Standard*

**ISO 18063-2:2021**

Rough-terrain trucks. Visibility test methods and their verification. Slewing rough-terrain variable-reach trucks

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Cardiovascular implants and artificial organs. Cannulae for extracorporeal circulation  
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 CH/150/2  
 Will be implemented as an identical British Standard

**ISO 18436-1:2021**

Condition monitoring and diagnostics of machine systems. Requirements for certification of personnel. Sector specific requirements for certification bodies and the certification process  
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 GME/21/7  
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**ISO 18436-6:2021**

Condition monitoring and diagnostics of machines. Requirements for certification of personnel. Acoustic emission  
 £42.30 members, £47.00 non-members  
 GME/21/7  
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**ISO 18513:2021**

Tourism services. Hotels and other types of tourism accommodation. Vocabulary  
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 SVS/2  
 Will be implemented as an identical British Standard

**ISO 18669-1:2021**

Internal combustion engines. Piston pins. General specifications  
 £85.50 members, £95.00 non-members  
 MCE/22  
 Will be implemented as an identical British Standard

**ISO/IEC 18745-2:2021**

Test methods for machine readable travel documents (MRTD) and associated devices. Test methods for the contactless interface  
 £99.90 members, £111.00 non-members  
 IST/17  
 Will be implemented as an identical British Standard

**ISO 18797-2:2021**

Petroleum, petrochemical and natural gas industries. External corrosion protection of risers by coatings and linings. Maintenance and field repair coatings for riser pipes  
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 PSE/17  
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**ISO 18804:2021**

Rims for agricultural, forestry and construction machines  
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 AUE/4  
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Information technology. Guidance for the use of database language SQL. XQuery regular expressions  
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 IST/40  
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**ISO/IEC 19075-2:2021**

Information technology. Guidance for the use of database language SQL. Time-related information  
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 IST/40  
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**ISO/IEC 19075-3:2021**

Information technology. Guidance for the use of database language SQL. SQL embedded in programs using the Java programming language  
 £85.50 members, £95.00 non-members  
 IST/40  
 Will be implemented as an identical British Standard

**ISO/IEC 19075-4:2021**

Information technology. Guidance for the use of database language SQL. Routines and types using the Java programming language  
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 IST/40  
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**ISO/IEC 19075-5:2021**

Information technology. Guidance for the use of database language SQL. Row pattern recognition  
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 IST/40  
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**ISO/IEC 19075-6:2021**

Information technology. Guidance for the use of database language SQL. Support for JSON  
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 IST/40  
 Will be implemented as an identical British Standard

**ISO/IEC 19075-7:2021**

Information technology. Guidance for the use of database language SQL. Polymorphic table functions  
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 IST/40  
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**ISO/IEC 19075-8:2021**

Information technology. Guidance for the use of database language SQL. Multidimensional arrays  
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 IST/40  
 Will be implemented as an identical British Standard

**ISO/IEC 19763-16:2021**

Information technology. Metamodel framework for interoperability (MFI). Metamodel for document model registration  
 £128.70 members, £143.00 non-members  
 IST/40  
 Will be implemented as an identical British Standard

**ISO 19880-8:2019/A1:2021**

Gaseous hydrogen. Fuelling stations. Fuel quality control  
 £11.70 members, £13.00 non-members  
 PVE/3/8  
 Will be implemented as an identical British Standard

**ISO 19957:2021**

Footwear. Test methods for heels. Heel pin holding strength  
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 TCI/69  
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**ISO 10079-4:2021**

Medical suction equipment. General requirements  
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 CH/121-/4  
 Will be implemented as an identical British Standard

**ISO/IEC/TS 20000-11:2021**

Information technology. Service management. Guidance on the relationship between ISO/IEC 20000-1 and service management frameworks: ITIL  
 £128.70 members, £143.00 non-members  
 IST/60/2  
 Will be implemented as an identical British Standard

**ISO/TR 20342-7:2021**

Assistive products for tissue integrity when lying down. Foam properties, characteristics and performance  
 £42.30 members, £47.00 non-members  
 CH/173  
 Will be implemented as an identical British Standard

**ISO/IEC 20830:2021**

Information technology. Automatic identification and data capture techniques. Han Xin Code bar code symbology specification  
 £143.10 members, £159.00 non-members  
 IST/34  
 Will be implemented as an identical British Standard

**ISO 21392:2021**

Cosmetics. Analytical methods. Measurement of traces of heavy metals in cosmetic finished products using ICP/MS technique  
 £99.90 members, £111.00 non-members  
 CW/21/7  
 Will be implemented as an identical British Standard

**ISO/TS 21480:2021**

Glass in building. General technical requirements of building integrated photovoltaic modules recycling  
 £63.90 members, £71.00 non-members  
 B/520  
 Will be implemented as an identical British Standard

**ISO 21563:2021**

Dentistry. Hydrocolloid impression materials  
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 CH/106/2  
 Will be implemented as an identical British Standard

**ISO 21709:2020/A1:2021**

Biotechnology. Biobanking. Process and quality requirements for establishment, maintenance and characterization of mammalian cell lines  
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 BT/1  
 Will be implemented as an identical British Standard

**ISO/IEC 21794-2:2021/A1:2021**

Information technology. Plenoptic image coding system (JPEG Pleno). Light field coding  
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IST/37

*Will not be implemented as a British Standard*

**ISO 21917:2021**

Anaesthetic and respiratory equipment. Voice prostheses

£42.30 members, £47.00 non-members

CH/121/5

*Will be implemented as an identical British Standard*

**ISO 21922:2021**

Refrigerating systems and heat pumps. Valves. Requirements, testing and marking

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RHE/18

*Will be implemented as an identical British Standard*

**ISO 21955:2021**

Acoustics. Experimental method for transposition of dynamic forces generated by an active component from a test bench to a receiving structure

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EH/1/2

*Will be implemented as an identical British Standard*

**ISO 22074-7:2021**

Railway infrastructure. Rail fastening systems. Test method for clamping force and uplift stiffness

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RAE/2

*Will not be implemented as a British Standard*

**ISO/TS 22393:2021**

Security and resilience. Community resilience. Guidelines for planning recovery and renewal

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SSM/1

*Will be implemented as an identical British Standard*

**ISO 22476-4:2021**

Geotechnical investigation and testing. Field testing. Prebored pressure meter test by Mv@nard procedure

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B/526/3

*Will be implemented as an identical British Standard*

**ISO 22514-7:2021**

Statistical methods in process management. Capability and performance. Capability of measurement processes

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SS/4

*Will be implemented as an identical British Standard*

**ISO 22753:2021**

Molecular biomarker analysis. Method for the statistical evaluation of analytical results obtained in testing sub-sampled groups of genetically modified seeds and grains. General requirements

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AW/275

*Will be implemented as an identical British Standard*

**ISO 22762-5:2021**

Elastomeric seismic-protection isolators. Sliding seismic-protection isolators for buildings

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PR/1/73

*Will be implemented as an identical British Standard*

**ISO 22876:2021**

Tourism and related services. Bareboat charter. Supplementary charter services and experiences

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SVS/2/11

*Will be implemented as an identical British Standard*

**ISO 22940:2021**

Solid recovered fuels. Determination of elemental composition by X-ray fluorescence

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PT/1/17

*Will be implemented as an identical British Standard*

**ISO 22941:2021**

Rubber sheets for livestock. Dairy cattle. Specification

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PR/1/73

*Will be implemented as an identical British Standard*

**ISO 22958:2021**

Textiles. Water resistance. Rain tests: exposure to a horizontal water spray

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TC/1/82

*Will be implemented as an identical British Standard*

**ISO 23020:2021**

Space systems. Determination of test methods to characterize material or component properties required for break-up models used for Earth re-entry

£63.90 members, £71.00 non-members

ACE/68

*Will be implemented as an identical British Standard*

**ISO 23033:2021**

Biotechnology. Analytical methods. General requirements and considerations for the testing and characterization of cellular therapeutic products

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BT/1

*Will be implemented as an identical British Standard*

**ISO 23081-2:2021**

Information and documentation. Metadata for managing records. Conceptual and implementation issues

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IDT/2/17

*Will be implemented as an identical British Standard*

**ISO 23274-2:2021**

Hybrid-electric road vehicles. Exhaust emissions and fuel consumption measurements. Externally chargeable vehicles

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PEL/69

*Will be implemented as an identical British Standard*

**ISO 23456-1:2021**

Dynamic signs in physical environments. General requirements

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PH/9/-1

*Will be implemented as an identical British Standard*

**ISO 23468:2021**

Reactor technology. Power reactor analyses and measurements. Determination of heavy water isotopic purity by Fourier transform infrared spectroscopy

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NCE/2

*Will be implemented as an identical British Standard*

**ISO 23472-3:2021**

Foundry machinery. Vocabulary. Die casting machines and other equipment related to permanent mold casting process

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MCE/3/10

*Will be implemented as an identical British Standard*

**ISO 23641:2021**

Flexible cellular polymeric materials. Determination of antibacterial effectiveness

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PR/1/24

*Will be implemented as an identical British Standard*

**ISO 23670:2021**

Space systems. Vibration testing

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ACE/68

*Will be implemented as an identical British Standard*

**ISO 23723:2021**

Traditional Chinese medicine. General requirements for herbal raw material and materia medica

£143.10 members, £159.00 non-members

CH/100/1

*Will not be implemented as a British Standard*

**ISO 23737:2021**

Fine ceramics (advanced ceramics, advanced technical ceramics). Methods for evaluating wear and friction characteristics of fine ceramic thin films under dry and humid conditions

£99.90 members, £111.00 non-members

RPI/13

*Will be implemented as an identical British Standard*

**ISO 23739:2021**

Fine ceramics (advanced ceramics, advanced technical ceramics). Methods for chemical analysis of zirconium oxide powders

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RPI/13

*Will be implemented as an identical British Standard*

**ISO/TR 23750:2021**

Cosmetics. Answers to frequently asked questions on ingredients and product characterization according to ISO 16128-1 and ISO 16128-2

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CW/217

*Will not be implemented as a British Standard*

**ISO 23781:2021**

Operating procedures of pig slaughtering  
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AW/6

*Will be implemented as an identical British Standard*

**ISO/TS 23818-2:2021**

Assessment of conformity of plastics piping systems for the rehabilitation of existing pipelines. Resin-fibre composite (RFC) material  
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PR1/88/3

*Will be implemented as an identical British Standard*

**ISO 23854:2021**

Fermented meat products. Specification  
£42.30 members, £47.00 non-members

AW/6

*Will be implemented as an identical British Standard*

**ISO 23855:2021**

Frozen surimi. Specification  
£42.30 members, £47.00 non-members

AW/6

*Will be implemented as an identical British Standard*

**ISO 23959:2021**

Traditional Chinese medicine. *Glehnia littoralis* root  
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CH/100/1

*Will not be implemented as a British Standard*

**ISO 23970:2021**

Milk, milk products and infant formula. Determination of melamine and cyanuric acid by liquid chromatography and tandem mass spectrometry (LC-MS/MS)

£63.90 members, £71.00 non-members

AW/5

*Will be implemented as an identical British Standard*

**ISO 24095:2021**

Workplace air. Guidance for the measurement of respirable crystalline silica

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EH/2/2

*Will be implemented as an identical British Standard*

**ISO/TS 24106:2021**

Essential oils. Name harmonization of components

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AW/5/4

*Will be implemented as an identical British Standard*

**ISO 24136:2021**

Ships and marine technology. Pilot ladder winch reels

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SME/32

*Will be implemented as an identical British Standard*

**ISO 24234:2021**

Dentistry. Dental amalgam

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CH/106/1

*Will be implemented as an identical British Standard*

**ISO 24294:2021**

Timber. Round and sawn timber. Vocabulary  
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B/5/43

*Will be implemented as an identical British Standard*

**ISO 24617-11:2021**

Language resource management. Semantic annotation framework (SemAF). Measurable quantitative information (MQI)

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TS/1

*Will be implemented as an identical British Standard*

**ISO/IEC 24773-3:2021**

Software and systems engineering. Certification of software and systems engineering professionals. Systems engineering

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IST/15

*Will be implemented as an identical British Standard*

**ISO/IEC 27036-1:2021**

Cybersecurity. Supplier relationships. Overview and concepts

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IST/33

*Will be implemented as an identical British Standard*

**ISO/IEC 27551:2021**

Information security, cybersecurity and privacy protection. Requirements for attribute-based unlinkable entity authentication

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IST/33/5

*Will be implemented as an identical British Standard*

**ISO/IEC 29142-1:2021**

Information technology. Print cartridge characterization. General: terms, symbols, notations and cartridge characterization framework

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IST/3

*Will be implemented as an identical British Standard*

**ISO 29461-1:2021**

Air intake filter systems for rotary machinery. Static filter elements

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MCE/21

*Will be implemented as an identical British Standard*

**ISO/IEC 29500-2:2021**

Document description and processing languages. Office Open XML file formats. Open packaging conventions

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IST/41

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**ISO 31030:2021**

Travel risk management. Guidance for organizations

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RM/1/2

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**ISO/TR 32220:2021**

Sustainable finance. Basic concepts and key initiatives

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SFS/1

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**ISO 37000:2021**

Governance of organizations. Guidance  
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G/1

*Will be implemented as an identical British Standard*

**ISO 37169:2021**

Smart community infrastructures. Smart transportation by run-through train/bus operation in/between cities

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SDS/2

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**ISO 37180:2021**

Smart community infrastructures. Guidance on smart transportation with QR code identification and authentication in transportation and its related or additional services

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SDS/2

*Will be implemented as an identical British Standard*

**ISO 39993:2021**

Textiles. Qualification symbols for labelling workwear to be industrially laundered

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TC1/82

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**ISO/IEC 30134-6:2021**

Information technology. Data centres key performance indicators. Energy Reuse Factor (ERF)

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TCT/7/3

*Will be implemented as an identical British Standard*

**ISO/IEC/TR 30117:2021**

Information technology. Standards and applications for the integration of biometrics and integrated circuit cards (ICCs)

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IST/17

*Will be implemented as an identical British Standard*

**ISO 50005:2021**

Energy management systems. Guidelines for a phased implementation

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SEM/1

*Will be implemented as an identical British Standard*

**ISO 80601-2-90:2021**

Medical electrical equipment. Particular requirements for basic safety and essential performance of respiratory high-flow therapy equipment

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CH/121/9

*Will be implemented as an identical British Standard*

**ISO/PAS PUBLICATIONS**

**ISO /SAE P 22736:2021**

Taxonomy and definitions for terms related to driving automation systems for on-road motor vehicles

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EPL/278



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Learn more

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