

UPDATE STANDARDS

Managing Sustainability challenges

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In these pages you'll find details of new, revised, draft and withdrawn standards and publications from the last month.

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British Standards – Quick Reference Guide

The following British Standards are listed or referred to in this issue of Update Standards with the exception of those in 'New Work Started'.

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Agricultural tractors. Front-mounted equipment. Power take-off: Safety requirements and clearance zone around PTO

no current standard is superseded

ISBN 978 0 580 96039 0

£51.00 members, £102.00 non-members

AGE/6

BS ISO 8759-4:2018

Agricultural tractors. Front-mounted equipment. Three-point linkage

no current standard is superseded

ISBN 978 0 580 96041 3

£51.00 members, £102.00 non-members

AGE/6

BS ISO/IEC 8825-7:2015

Information technology. ASN.1 encoding rules. Specification of Octet Encoding Rules (OER)

supersedes BS ISO/IEC 8825-7:2014

ISBN 978 0 539 02942 0

£99.00 members, £198.00 non-members

IST/6

BS ISO 9211-5:2018

Optics and photonics. Optical coatings. Minimum requirements for antireflecting coatings

no current standard is superseded

ISBN 978 0 580 92432 3

£51.00 members, £102.00 non-members

CPW/172

BS ISO 9241-500:2018

Ergonomics of human-system interaction. Ergonomic principles for the design and evaluation of environments of interactive systems

no current standard is superseded

ISBN 978 0 580 97810 4

£61.00 members, £122.00 non-members

PH/9

BS ISO/IEC/IEEE 29148:2018

Systems and software engineering. Life cycle processes. Requirements engineering

supersedes BS ISO/IEC/IEEE 29148:2011

ISBN 978 0 580 97809 8

£136.00 members, £272.00 non-members

IST/15

BS ISO/IEC/IEEE 90003:2018

Software engineering. Guidelines for the application of ISO 9001:2015 to computer software

supersedes BS ISO/IEC 90003:2014

ISBN 978 0 580 51180 6

£127.00 members, £254.00 non-members

IST/15

BS ISO 10110-18:2018

Optics and photonics. Preparation of drawings for optical elements and systems. Stress birefringence, bubbles and inclusions, homogeneity, and striae

supersedes BS ISO 10110-2:1996, BS ISO 10110-3:1996 and BS ISO 10110-4:1997

ISBN 978 0 580 91596 3

£85.00 members, £170.00 non-members

CPW/172

BS ISO 11760:2018

Classification of coals

supersedes BS ISO 11760:2005

ISBN 978 0 539 00649 0

£61.00 members, £122.00 non-members

PTI/16

BS ISO 12123:2018

Optics and photonics. Specification of raw optical glass

no current standard is superseded

ISBN 978 0 580 92105 6

£85.00 members, £170.00 non-members

CPW/172

BS ISO 13216-3:2018

Road vehicles. Anchorages in vehicles and attachments to anchorages for child restraint systems. Classification of child restraint system and space in vehicle

supersedes BS ISO 13216-3:2006

ISBN 978 0 580 94001 9

£99.00 members, £198.00 non-members

AUE/7

BS ISO 13779-2:2018

Implants for surgery. Hydroxyapatite. Thermally sprayed coatings of hydroxyapatite

supersedes BS ISO 13779-2:2008

ISBN 978 0 580 86938 9

£61.00 members, £122.00 non-members

CH/150/1

BS ISO 13779-4:2018

Implants for surgery. Hydroxyapatite. Determination of coating adhesion strength

supersedes BS ISO 13779-4:2002

ISBN 978 0 580 86940 2

£51.00 members, £102.00 non-members

CH/150/1

BS ISO 14167:2018

Gas analysis. General quality aspects and metrological traceability of calibration gas mixtures

no current standard is superseded

ISBN 978 0 580 94995 1

£85.00 members, £170.00 non-members

PTI/15

BS ISO 15151:2018

Milk, milk products, infant formula and adult nutritional. Determination of minerals and trace elements. Inductively coupled plasma atomic emission spectrometry (ICP-AES) method

no current standard is superseded

ISBN 978 0 580 51427 2

£99.00 members, £198.00 non-members

AW/5

BS ISO 16000-23:2018

Indoor air. Performance test for evaluating the reduction of formaldehyde and other carbonyl compounds concentrations by sorptive building materials

supersedes BS ISO 16000-23:2009

ISBN 978 0 580 94580 9

£99.00 members, £198.00 non-members

EH/2/5

BS ISO 16000-24:2018

Indoor air. Performance test for evaluating the reduction of volatile organic compound concentrations by sorptive building materials

supersedes BS ISO 16000-24:2009

ISBN 978 0 580 94581 6

£85.00 members, £170.00 non-members

EH/2/5

BS ISO 16129:2018

Surface chemical analysis. X-ray photoelectron spectroscopy. Procedures for assessing the day-to-day performance of an X-ray photoelectron spectrometer

supersedes BS ISO 16129:2012

ISBN 978 0 580 51950 5

£85.00 members, £170.00 non-members

CII/60

BS ISO 16172:2018

Steel sheet, metallic-coated by the continuous hot-dip process for corrugated steel pipe

supersedes BS ISO 16172:2011

ISBN 978 0 580 97859 3

£61.00 members, £122.00 non-members

ISE/109

BS ISO 16750-1:2018

Road vehicles. Environmental conditions and testing for electrical and electronic equipment. General

supersedes BS ISO 16750-1:2006

ISBN 978 0 580 98458 7

£61.00 members, £122.00 non-members

AUE/32

BS ISO 17123-9:2018

Optics and optical instruments. Field procedures for testing geodetic and surveying instruments. Terrestrial laser scanners

no current standard is superseded

ISBN 978 0 580 93684 5

£119.00 members, £238.00 non-members

CPW/172

BS ISO 18250-1:2018

Medical devices. Connectors for reservoir delivery systems for healthcare applications. General requirements and common test methods

no current standard is superseded

ISBN 978 0 580 90579 7

£119.00 members, £238.00 non-members

CH/210/5

BS ISO 18315:2018

Nuclear energy. Guidance to the evaluation of measurement uncertainties of impurity in uranium solution by linear regression analysis
no current standard is superseded
ISBN 978 0 580 86947 1
£85.00 members, £170.00 non-members
NCE/9

BS ISO 18785-1:2018

Friction stir spot welding. Aluminium. Vocabulary
no current standard is superseded
ISBN 978 0 580 82989 5
£61.00 members, £122.00 non-members
WEE/-1

BS ISO 18785-2:2018

Friction stir spot welding. Aluminium. Design of weld joints
no current standard is superseded
ISBN 978 0 580 82990 1
£51.00 members, £102.00 non-members
WEE/-1

BS ISO 18785-3:2018

Friction stir spot welding. Aluminium. Qualification of welding personnel
no current standard is superseded
ISBN 978 0 580 82991 8
£61.00 members, £122.00 non-members
WEE/-1

BS ISO 18785-4:2018

Friction stir spot welding. Aluminium. Specification and qualification of welding procedures
no current standard is superseded
ISBN 978 0 580 82992 5
£61.00 members, £122.00 non-members
WEE/-1

BS ISO 18785-5:2018

Friction stir spot welding. Aluminium. Quality and inspection requirements
no current standard is superseded
ISBN 978 0 580 82993 2
£61.00 members, £122.00 non-members
WEE/-1

BS ISO 19206-1:2018

Road vehicles. Test devices for target vehicles, vulnerable road users and other objects, for assessment of active safety functions. Requirements for passenger vehicle rear-end targets
no current standard is superseded
ISBN 978 0 580 87682 0
£85.00 members, £170.00 non-members
AUE/15

To order visit
www.bsigroup.com/shop

BS ISO 19206-2:2018

Road vehicles. Test devices for target vehicles, vulnerable road users and other objects, for assessment of active safety functions. Requirements for pedestrian targets
no current standard is superseded
ISBN 978 0 580 87683 7
£99.00 members, £198.00 non-members
AUE/15

BS ISO 19882:2018

Gaseous hydrogen. Thermally activated pressure relief devices for compressed hydrogen vehicle fuel containers
no current standard is superseded
ISBN 978 0 580 84945 9
£99.00 members, £198.00 non-members
PVE/3/8

BS ISO 20088-3:2018

Determination of the resistance to cryogenic spillage of insulation materials. Jet release
no current standard is superseded
ISBN 978 0 580 97096 2
£85.00 members, £170.00 non-members
PSE/17/-9

BS ISO 20189:2018

Acoustics. Screens, furniture and single objects intended for interior use. Rating of sound absorption and sound reduction of elements based on laboratory measurements. Rating of sound absorption and sound reduction of elements based on laboratory measurements
no current standard is superseded
ISBN 978 0 580 97097 9
£99.00 members, £198.00 non-members
EH/1/6

BS ISO 20294:2018

Graphic technology. Quantification and communication for calculating the carbon footprint of e-media
no current standard is superseded
ISBN 978 0 580 96195 3
£99.00 members, £198.00 non-members
PAI/43

BS ISO 20298-1:2018

Fine bubble technology. Sampling and sample preparation for measurement. Ultrafine bubble dispersion in water
no current standard is superseded
ISBN 978 0 580 98953 7
£61.00 members, £122.00 non-members
LBI/50

BS ISO 20337:2018

Fibre-reinforced plastic composites. Shear test method using a shear frame for the determination of the in-plane shear stress/shear strain response and shear modulus
no current standard is superseded
ISBN 978 0 580 98127 2
£61.00 members, £122.00 non-members
PRI/42

BS ISO 20480-2:2018

Fine bubble technology. General principles for usage and measurement of fine bubbles. Categorization of the attributes of fine bubbles
no current standard is superseded
ISBN 978 0 580 94350 8
£61.00 members, £122.00 non-members
LBI/50

BS ISO 20766-1:2018

Road vehicles. Liquefied petroleum gas (LPG) fuel systems components. General requirements and definitions
no current standard is superseded
ISBN 978 0 580 91055 5
£51.00 members, £102.00 non-members
GSE/40

BS ISO 20766-2:2018

Road vehicles. Liquefied petroleum gas (LPG) fuel systems components. Performance and general test methods
no current standard is superseded
ISBN 978 0 580 91056 2
£61.00 members, £122.00 non-members
GSE/40

BS ISO 20766-3:2018

Road vehicles. Liquefied petroleum gas (LPG) fuel systems components. 80% stop valve
no current standard is superseded
ISBN 978 0 580 95627 0
£51.00 members, £102.00 non-members
GSE/40

BS ISO 20766-4:2018

Road vehicles. Liquefied petroleum gas (LPG) fuel system components. Level indicator
no current standard is superseded
ISBN 978 0 580 95628 7
£51.00 members, £102.00 non-members
GSE/40

BS ISO 20949:2018

Aircraft. Smart contactor. General requirements
no current standard is superseded
ISBN 978 0 580 92649 5
£85.00 members, £170.00 non-members
ACE/6

BS ISO 21041:2018

Guidance on unit pricing
no current standard is superseded
ISBN 978 0 580 93075 1
£85.00 members, £170.00 non-members
W/-

BS ISO 21153:2018

Corrosion of metals and alloys. Measurement of environmentally assisted small crack growth rate
no current standard is superseded
ISBN 978 0 580 93357 8
£85.00 members, £170.00 non-members
ISE/NFE/8

BS ISO 21426:2018

Tourism and related services. Medical spas. Service requirements

no current standard is superseded

ISBN 978 0 580 94702 5

£99.00 members, £198.00 non-members

SVS/2

BS ISO 21632:2018

Graphic technology. Determination of the energy consumption of digital printing devices including transitional and related modes

no current standard is superseded

ISBN 978 0 580 95908 0

£112.00 members, £224.00 non-members

PAI/43

BS ISO 21925-1:2018

Fire resistance tests. Fire dampers for air distribution systems. Mechanical dampers

supersedes BS ISO 10294-1:1996+A1:2014, BS ISO 10294-2:1999, BS ISO 10294-3:1999 and BS ISO 10294-4:2001+A1:2014

ISBN 978 0 580 96556 2

£112.00 members, £224.00 non-members

FSH/22/-/4

BS ISO 21976:2018

Packaging. Tamper verification features for medicinal product packaging

no current standard is superseded

ISBN 978 0 580 97436 6

£85.00 members, £170.00 non-members

PKW/0/-/12

BS ISO 22146:2018

Carbonate liming materials. Determination of reactivity. Automatic titration method with citric acid

no current standard is superseded

ISBN 978 0 580 98024 4

£61.00 members, £122.00 non-members

CI/37

BS ISO 23388:2018

Protective gloves against mechanical risks

no current standard is superseded

ISBN 978 0 580 51453 1

£99.00 members, £198.00 non-members

PH/3/8

BS ISO/IEC 29101:2018

Information technology. Security techniques. Privacy architecture framework

supersedes BS ISO/IEC 29101:2013

ISBN 978 0 580 99758 7

£112.00 members, £224.00 non-members

IST/33

BS ISO/IEC 30118-1:2018

Information technology. Open Connectivity Foundation (OCF) Specification. Core specification

no current standard is superseded

ISBN 978 0 580 99409 8

£191.00 members, £382.00 non-members

IST/-/99

BS ISO/IEC 30118-2:2018

Information technology. Open Connectivity Foundation (OCF) Specification. Security specification

no current standard is superseded

ISBN 978 0 580 99445 6

£177.00 members, £354.00 non-members

IST/-/99

BS ISO/IEC 30118-3:2018

Information technology. Open Connectivity Foundation (OCF) Specification. Bridging specification

no current standard is superseded

ISBN 978 0 580 99446 3

£119.00 members, £238.00 non-members

IST/-/99

BS ISO/IEC 30118-4:2018

Information technology. Open Connectivity Foundation (OCF) Specification. Resource type specification

no current standard is superseded

ISBN 978 0 580 99447 0

£242.00 members, £484.00 non-members

IST/-/99

BS ISO/IEC 30118-5:2018

Information technology. Open Connectivity Foundation (OCF) Specification. Smart home device specification

no current standard is superseded

ISBN 978 0 580 99448 7

£85.00 members, £170.00 non-members

IST/-/99

BS ISO/IEC 30118-6:2018

Information technology. Open Connectivity Foundation (OCF) Specification. Resource to AllJoyn interface mapping specification

no current standard is superseded

ISBN 978 0 580 99449 4

£136.00 members, £272.00 non-members

IST/-/99

BS ISO 55002:2018

Asset management. Management systems. Guidelines for the application of ISO 55001

supersedes BS ISO 55002:2014

ISBN 978 0 580 97128 0

£55.00 members, £110.00 non-members

AMS/1

PUBLISHED DOCUMENTS**PD CEN/TR 10364:2018**

Steels and cast irons. Determination of substances listed in the directives 2011/65/EU (RoHS) and 2000/53/EC (ELV). Limitations

supersedes PD CEN/TR 10364:2016

ISBN 978 0 539 00838 8

£51.00 members, £102.00 non-members

ISE/102

PD CEN/TR 14560:2018

Guidance for selection, use, care and maintenance of protective clothing against heat and flame

supersedes PD CEN/TR 14560:2003

ISBN 978 0 539 00626 1

£127.00 members, £254.00 non-members

PH/3/2

PD CEN/TR 15897:2018

Submerged Membrane Bioreactor (MBR) technology

no current standard is superseded

ISBN 978 0 580 92415 6

£119.00 members, £238.00 non-members

B/505

PD CEN/TR 16798-14:2017

Energy performance of buildings. Ventilation for buildings. Interpretation of the requirements in EN 16798-13. Calculation of cooling systems (Module M4-8). Generation

supersedes BS EN 15243:2007

ISBN 978 0 580 85874 1

£119.00 members, £238.00 non-members

RHE/2

PD CEN/TR 17292:2018

Technical report regarding precision data for standards EN 12720, EN 12721, EN 12722, EN 15185 and EN 15186

no current standard is superseded

ISBN 978 0 539 00695 7

£51.00 members, £102.00 non-members

FW/0/1

PD CEN/TR 17296:2018

Chemical disinfectants and antiseptics. Differentiation of active and non-active substances

no current standard is superseded

ISBN 978 0 539 01004 6

£51.00 members, £102.00 non-members

CH/216

PD CEN/TR 17304:2018

Construction products. Assessment of release of dangerous substances. Determination of emissions into indoor air of ammonia from cellulose insulation at 90 % RH

no current standard is superseded

ISBN 978 0 580 51903 1

£61.00 members, £122.00 non-members

B/557

PD CEN/TS 17234:2018

Intelligent transport systems. eSafety. eCall: Tests to enable PSAPs to demonstrate conformance and performance

no current standard is superseded

ISBN 978 0 580 99042 7

£99.00 members, £198.00 non-members

EPL/278

PD CEN/TS 17249-3:2018

Intelligent transport systems. eSafety. eCall for Coaches and buses

no current standard is superseded

ISBN 978 0 580 51473 9

£85.00 members, £170.00 non-members

EPL/278

PD ISO/TS 13399-403:2018

Cutting tool data representation and exchange. Creation and exchange of 3D models. Modelling of driven tool units

no current standard is superseded

ISBN 978 0 580 93882 5

£99.00 members, £198.00 non-members

MTE/18

PD ISO/IEC TS 19570:2018

Programming Languages. Technical Specification for C++ Extensions for Parallelism
supersedes PD ISO/IEC TS 19570:2015

ISBN 978 0 539 00604 9

£119.00 members, £238.00 non-members

IST/5

PD ISO/TS 20399-2:2018

Biotechnology. Ancillary materials present during the production of cellular therapeutic products. Best practice guidance for ancillary material suppliers

no current standard is superseded

ISBN 978 0 580 94262 4

£61.00 members, £122.00 non-members

BTI/1

PD ISO/TS 20399-3:2018

Biotechnology. Ancillary materials present during the production of cellular therapeutic products. Best practice guidance for ancillary material users

no current standard is superseded

ISBN 978 0 580 94263 1

£61.00 members, £122.00 non-members

BTI/1

PD ISO/TR 21245:2018

Railway applications. Railway project planning process. Guidance on railway project planning. Guidance

supersedes PD ISO/TR 21245-1:2016 and PD ISO/TR 21245-2:2016

ISBN 978 0 580 51026 7

£99.00 members, £198.00 non-members

RAE/1

PD ISO/TR 21506:2018

Project, programme and portfolio management. Vocabulary

no current standard is superseded

ISBN 978 0 580 93428 5

£61.00 members, £122.00 non-members

MS/2

PD ISO/TR 21959-1:2018

Road vehicles. Human performance and state in the context of automated driving. Common underlying concepts

no current standard is superseded

ISBN 978 0 580 98876 9

£85.00 members, £170.00 non-members

AUE/12

PD ISO/TS 22835:2018

Health informatics. Information model of combination of decoction pieces in Chinese medicines

no current standard is superseded

ISBN 978 0 580 99741 9

£51.00 members, £102.00 non-members

IST/35

PD IEC TR 61340-5-5:2018

Electrostatics. Protection of electronic devices from electrostatic phenomena. Packaging systems used in electronic manufacturing

no current standard is superseded

ISBN 978 0 539 00576 9

£99.00 members, £198.00 non-members

GEL/101

PD IEC TS 61994-4-1:2018

Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection. Glossary. Piezoelectric materials. Synthetic quartz crystal

supersedes DD IEC/TS 61994-4-1:2007

ISBN 978 0 580 52476 9

£51.00 members, £102.00 non-members

EPL/49

PD IEC TS 61994-4-4:2018

Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection. Glossary. Piezoelectric materials. Single crystal wafers for surface acoustic wave (SAW) devices

supersedes DD IEC/TS 61994-4-4:2010

ISBN 978 0 580 52477 6

£61.00 members, £122.00 non-members

EPL/49

PD IEC TR 62977-2-4:2018

Electronic displays. Transparent displays. Overview of application scenarios

no current standard is superseded

ISBN 978 0 580 98044 2

£61.00 members, £122.00 non-members

EPL/47

PD IEC TR 62977-2-5:2018

Electronic display devices. Transparent displays. Measurements of optical characteristics

no current standard is superseded

ISBN 978 0 580 98240 8

£99.00 members, £198.00 non-members

EPL/47

PD IEC TR 63191:2018

Demand side power quality management
no current standard is superseded

ISBN 978 0 539 00501 1

£127.00 members, £254.00 non-members

PEL/85

PD IEC GUIDE 116:2018

Guidelines for safety related risk assessment and risk reduction for low voltage equipment

no current standard is superseded

ISBN 978 0 539 03033 4

£112.00 members, £224.00 non-members

L/1

PUBLICLY AVAILABLE SPECIFICATIONS

Publicly Available Specifications (formerly Product Assessment Specifications) are issued to provide an interim document where there is a market need but where a full British or European Standard has yet to be published.

PAS 525:2018

Framework for assessing professional engineering competence. Specification

ISBN 978 0 580 51408 1

£85.00 members, £85.00 non-members

ZZ/2

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 EN IEC 60721-3-2:2018

Classification of environmental conditions. Classification of groups of environmental parameters and their severities. Transportation and Handling

£61.00 members, £122.00 non-members

GEL/104

Corrigendum, December 2018

BS EN ISO 7539-6:2018

Corrosion of metals and alloys. Stress corrosion testing. Preparation and use of precracked specimens for tests under constant load or constant displacement

£112.00 members, £224.00 non-members

ISE/NFE/8

Corrigendum, November 2018

BS EN ISO 11073-10419:2016

Health informatics. Personal health device communication. Device specialization. Insulin pump

£153.00 members, £306.00 non-members

IST/35

Corrigendum, December 2018

BS EN ISO 11126-8:2018

Preparation of steel substrates before application of paints and related products. Specifications for non-metallic blast-cleaning abrasives. Olivine

£51.00 members, £102.00 non-members

STI/21

Corrigendum, November 2018

BS EN ISO 17480:2018

Packaging. Accessible design. Ease of opening

£112.00 members, £224.00 non-members

PKW/0/-12

Corrigendum, December 2018; Corrigendum, October 2018

BS EN ISO 19893:2018

Plastics piping systems. Thermoplastics pipes and fittings for hot and cold water. Test method for the resistance of mounted assemblies to temperature cycling

£51.00 members, £102.00 non-members

PRI/88/4

Corrigendum, December 2018; Corrigendum, October 2018

BS EN ISO 21528-2:2017

Microbiology of the food chain. Horizontal method for the detection and enumeration of Enterobacteriaceae. Colony-count technique

£61.00 members, £122.00 non-members

AW/9

Corrigendum, November 2018

BS EN ISO 23161:2018

Soil quality. Determination of selected organotin compounds. Gas-chromatographic method

£99.00 members, £198.00 non-members

EH/4

Corrigendum, December 2018

BS EN 50570:2013+A1:2018

Household and similar electrical appliances. Safety. Particular requirements for commercial electric tumble dryers

£112.00 members, £224.00 non-members

CPL/61

Corrigendum, November 2018; Amendment, April 2018

BS EN 50636-2-107:2015+A1:2018

Safety of household and similar appliances. Particular requirements for robotic battery powered electrical lawnmowers

£127.00 members, £254.00 non-members

CPL/116

Corrigendum, November 2018; Amendment, April 2018

BS EN 60204-1:2018

Safety of machinery. Electrical equipment of machines. General requirements

£153.00 members, £306.00 non-members

MCE/3

Corrigendum, November 2018

BS EN 60669-1:2018

Switches for household and similar fixed-electrical installations. General requirements

£159.00 members, £318.00 non-members

PEL/23

Corrigendum, December 2018; Corrigendum, November 2018

BS ISO 20332:2016

Cranes. Proof of competence of steel structures

£127.00 members, £254.00 non-members

MHE/3

Corrigendum, December 2018

BS ISO 55000 Series

Asset management. Overview, principles and terminology

£116.00 members, £232.00 non-members

AMS/1

Corrigendum, November 2018; Corrigendum, March 2014

BS IEC 62908-12-10:2017

Touch and interactive displays. Measurement methods of touch displays. Touch and electrical performance

£99.00 members, £198.00 non-members

EPL/47

Corrigendum, December 2018

PD CEN/TS 54-14:2018

Fire detection and fire alarm systems. Guidelines for planning, design, installation, commissioning, use and maintenance

£127.00 members, £254.00 non-members

FSH/12/1

Corrigendum, November 2018

PD CEN/TS 17240:2018

Intelligent transport systems. ESafety. ECall end to end conformance testing for IMS packet switched based systems

£147.00 members, £294.00 non-members

EPL/278

Corrigendum, December 2018

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 384:2016+A1:2018

Structural timber. Determination of characteristic values of mechanical properties and density

£61.00 members, £122.00 non-members

B/518

Amendment, December 2018

BS EN 1434-1:2015+A1:2018

Thermal energy meters. General requirements

£99.00 members, £198.00 non-members

CPI/30

Amendment, December 2018

BS EN 1434-2:2015+A1:2018

Thermal energy meters. Constructional requirements

£99.00 members, £198.00 non-members

CPI/30

Amendment, December 2018

BS EN 1434-4:2015+A1:2018

Thermal energy meters. Pattern approval tests

£119.00 members, £238.00 non-members

CPI/30

Amendment, December 2018

BS EN 13136:2013+A1:2018

Refrigerating systems and heat pumps. Pressure relief devices and their associated piping. Methods for calculation

£99.00 members, £198.00 non-members

RHE/18

Amendment, December 2018

BS EN 14516:2015+A1:2018

Baths for domestic purposes

£85.00 members, £170.00 non-members

B/503

Amendment, November 2018

BS EN 14527:2016+A1:2018

Shower trays for domestic purposes

£85.00 members, £170.00 non-members

B/503

Amendment, November 2018

BS EN 14531-1:2015+A1:2018

Railway applications. Methods for calculation of stopping and slowing distances and immobilization braking. General algorithms utilizing mean value calculation for train sets or single vehicles

£127.00 members, £254.00 non-members

RAE/4/-1

Amendment, December 2018

BS EN 16734:2016+A1:2018

Automotive fuels. Automotive B10 diesel fuel. Requirements and test methods

£61.00 members, £122.00 non-members

PTI/2

Amendment, December 2018

BS EN 50342-1:2015+A1:2018

Lead-acid starter batteries. General requirements and methods of test

£85.00 members, £170.00 non-members

PEL/21

Amendment, December 2018

BS EN 50342-6:2015+A1:2018

Lead-acid starter batteries. Batteries for Micro-Cycle Applications

£85.00 members, £170.00 non-members

PEL/21

Amendment, December 2018

BS EN 60061-3:1993+A55:2018

Lamp caps and holders together with gauges for the control of interchangeability and safety. Gauges

£258.00 members, £516.00 non-members

CPL/34/2

Amendment, November 2018; Amendment, April 2016

BS EN 60335-2-85:2003+A11:2018

Household and similar electrical appliances. Safety. Particular requirements for fabric steamers

£85.00 members, £170.00 non-members

CPL/61/7

Amendment, November 2018; Amendment, November 2008

BS EN 60705:2015+A2:2018

Household microwave ovens. Methods for measuring performance

£112.00 members, £224.00 non-members

CPL/59

Amendment, November 2018

BS EN 60728-11:2017+A11:2018

Cable networks for television signals, sound signals and interactive services. Safety

£127.00 members, £254.00 non-members

EPL/100/4

Amendment, November 2018

BS EN 60811-501:2012+A1:2018

Electric and optical fibre cables. Test methods for non-metallic materials. Mechanical tests. Tests for determining the mechanical properties of insulating and sheathing compounds

£61.00 members, £122.00 non-members

GEL/20/17

Amendment, November 2018

BS EN 62446-1:2016+A1:2018

Photovoltaic (PV) systems. Requirements for testing, documentation and maintenance. Grid connected systems. Documentation, commissioning tests and inspection

£99.00 members, £198.00 non-members

GEL/82

Amendment, November 2018

BS ISO 3601-3:2005+A1:2018

Fluid power systems. O-rings. Quality acceptance criteria

£61.00 members, £122.00 non-members

MCE/11

Amendment, December 2018

BS ISO 16589-1:2011+A1:2018

Rotary shaft lip-type seals incorporating thermoplastic sealing elements. Nominal dimensions and tolerances

£61.00 members, £122.00 non-members

MCE/11

Amendment, November 2018

BS ISO 16889:2008+A1:2018

Hydraulic fluid power. Filters. Multi-pass method for evaluating filtration performance of a filter element

£112.00 members, £224.00 non-members

MCE/18/-/6

Amendment, November 2018

BS ISO 17949:2013+A2:2018

Impact test procedures for road vehicles. Seating and positioning procedures for anthropomorphic test devices. Procedure for the WorldSID 50th percentile male side-impact dummy in front outboard seating positions

£51.00 members, £102.00 non-members

AUE/7

Amendment, December 2018; Amendment, December 2017

BS 2A 175:1962+A3:2018

Aerospace Series. Specification for bolts, 100° countersunk head, D-slot recess in anodized aluminium alloy (unified threads)

£61.00 members, £122.00 non-members

ACE/12

Amendment, November 2018

**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 ISO 176:2005

Plastics. Determination of loss of plasticizers. Activated carbon method

PR1/21

BS EN 302-1:2013

Adhesives for load-bearing timber structures. Test methods. Determination of longitudinal tensile shear strength

PR1/52

BS EN 302-4:2013

Adhesives for load-bearing timber structures. Test methods. Determination of the effects of wood shrinkage on the shear strength

PR1/52

BS EN 302-6:2013

Adhesives for load-bearing timber structures. Test methods. Determination of the minimum pressing time under referenced conditions

PR1/52

BS EN 302-7:2013

Adhesives for load-bearing timber structures. Test methods. Determination of the working life under referenced conditions

PR1/52

BS EN ISO 483:2005

Plastics. Small enclosures for conditioning and testing using aqueous solutions to maintain the humidity at constant value

PR1/21

BS EN 828:2013

Adhesives. Wettability. Determination by measurement of contact angle and surface free energy of solid surface

PR1/52

BS EN ISO 948:2009

Spices and condiments. Sampling

AW1/-/2

BS EN 1242:2013

Adhesives. Determination of isocyanate content

PR1/52

BS EN ISO 3037:2013

Corrugated fibreboard. Determination of edgewise crush resistance (unwaxed edge method)

PA1/11

BS EN ISO 4871:2009

Acoustics. Declaration and verification of noise emission values of machinery and equipment

EH/1/4

BS EN ISO 6873:2013

Dentistry. Gypsum products

CH/106/2

BS EN ISO 7235:2009

Acoustics. Laboratory measurement procedures for ducted silencers and air-terminal units. Insertion loss, flow noise and total pressure loss

EH/1/4

BS EN ISO 9614-1:2009

Acoustics. Determination of sound power levels of noise sources using sound intensity. Measurement at discrete points

EH/1/4

BS EN ISO 9614-3:2009

Acoustics. Determination of sound power levels of noise sources using sound intensity. Precision method for measurement by scanning

EH/1/4

BS EN ISO 11904-1:2002

Acoustics. Determination of sound immission from sound sources placed close to the ear. Technique using a microphone in a real ear (MIRE technique)

EH/1/1

BS EN ISO 13934-1:2013

Textiles. Tensile properties of fabrics. Determination of maximum force and elongation at maximum force using the strip method

TCI/24

BS EN ISO 14581:2013

Fasteners. Hexalobular socket countersunk flat head screws

FME/9

BS EN 14701-2:2013

Characterisation of sludges. Filtration properties. Determination of the specific resistance to filtration

EH/5

BS EN ISO 14998:2013

Petroleum and natural gas industries. Downhole equipment. Completion accessories

PSE/17/-/4

BS EN 15000:2008

Safety of industrial trucks. Self propelled variable reach trucks. Specification, performance and test requirements for longitudinal load moment indicators and longitudinal load moment limiters

MHE/7

BS EN 15037-5:2013

Precast concrete products. Beam-and-block floor systems. Lightweight blocks for simple formwork

B/524

BS EN 15483:2008

Ambient air quality. Atmospheric measurements near ground with FTIR spectroscopy

EH/2/3

BS EN ISO 16000-15:2008

Indoor air. Sampling strategy for nitrogen dioxide (NO₂)

EH/2/5

BS EN ISO 16187:2013

Footwear and footwear components. Test method to assess antibacterial activity

TCI/69

BS EN 16307-5:2013

Industrial trucks. Safety requirements and verification. Supplementary requirements for pedestrian-propelled trucks

MHE/7

BS EN ISO 19126:2009

Geographic information. Feature concept dictionaries and registers

IST/36

BS EN ISO 25178-603:2013

Geometrical product specifications (GPS). Surface texture: Areal. Nominal characteristics of non-contact (phase-shifting interferometric microscopy) instruments

TPR/1

BS EN ISO 25178-604:2013

Geometrical product specifications (GPS). Surface texture: Areal. Nominal characteristics of non-contact (coherence scanning interferometry) instruments

TPR/1

BS ISO 1999:2013

Acoustics. Estimation of noise-induced hearing loss

EH/1/1

BS ISO 3560:2013

Road vehicles. Frontal fixed barrier or pole impact test procedure

AUE/15

BS ISO 4716:2013

Essential oil of vetiver [*Chrysopogon zizanioides* (L.) Roberty, syn. *Vet iveria zizanioides* (L.) Nash]

AW/54

BS ISO/IEC 4909:2006

Identification cards. Financial transaction cards. Magnetic stripe data content for track 3

IST/17

BS ISO 6576:2004

Laurel (*Laurus nobilis* L.). Whole and ground leaves.

AW/-/2

BS ISO 6971:2002

Cranked-link drag chains of welded construction, attachments and sprockets

MCE/1

BS ISO 6972:2002

Cranked-link mill chains of welded construction, attachments and sprockets

MCE/1

BS ISO/IEC 7501-3:2005

Identification cards. Machine readable travel documents. Machine readable official travel documents

IST/17

BS ISO/IEC 7813:2006

Information technology. Identification cards. Financial transaction cards

IST/17

BS ISO/IEC 7816-3:2006

Identification cards. Integrated circuit cards. Cards with contacts. Electrical interface and transmission protocols

IST/17

BS ISO/IEC 7816-5:2004

Identification cards. Integrated circuit cards. Registration of application providers

IST/17

BS ISO/IEC 7816-7:1999

Identification cards. Integrated circuit(s) cards with contacts. Interindustry commands for structured cards query language (SCQL)

IST/17

BS ISO/IEC 7816-10:2000

Identification cards. Integrated circuit(s) cards with contacts. Electronic signals and answer to reset for synchronous cards

IST/17

BS ISO 8300:2013

Nuclear fuel technology. Determination of plutonium content in plutonium dioxide of nuclear grade quality. Gravimetric method

NCE/9

BS ISO 8455:2011+A1:2015

Green coffee. Guidelines for storage and transport

AW/15

BS ISO 8791-2:2013

Paper and board. Determination of roughness/smoothness (air leak methods). Bendtsen method

PAI/11

BS ISO/IEC 9798-5:2009

Information technology. Security techniques. Entity authentication. Mechanisms using zero knowledge techniques

IST/33/2

BS ISO 10934-1:2002

Optics and optical instruments. Vocabulary for microscopy. Light microscopy

CPW/172

BS ISO 10934-2:2007

Optics and optical instruments. Vocabulary for microscopy. Advanced techniques in light microscopy

CPW/172

BS ISO/IEC 10967-1:2012

Information technology. Language independent arithmetic. Integer and floating point arithmetic

IST/5

BS ISO 11783-14:2013

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

AGE/6

BS ISO 13473-2:2002

Characterization of pavement texture by use of surface profiles. Terminology and basic requirements related to pavement texture profile analysis

EH/1/2

BS ISO 13473-3:2002

Characterization of pavement texture by use of surface profiles. Specification and classification of profilometers

EH/1/2

BS ISO 14303:2002

Space systems. Launch-vehicle-to-spacecraft interfaces

ACE/68

BS ISO 14711:2003

Space systems. Unmanned mission operations concepts. Guidelines for defining and assessing concept products

ACE/68

BS ISO 14954:2005

Space systems. Dynamic and static analysis. Exchange of mathematical models

ACE/68

BS ISO 15031-7:2013

Road vehicles. Communication between vehicle and external equipment for emissions-related diagnostics. Data link security

AUE/16

BS ISO/IEC 15457-1:2008

Identification cards. Thin flexible cards. Physical characteristics

IST/17

BS ISO/IEC 15457-2:2007

Identification cards. Thin flexible cards. Magnetic recording technique

IST/17

BS ISO/IEC 15457-3:2008

Identification cards. Thin flexible cards. Test methods

IST/17

BS ISO 16000-13:2008

Indoor air. Determination of total (gas and particle-phase) polychlorinated dioxin-like biphenyls (PCBs) and polychlorinated dibenzo-p-dioxins/dibenzofurans (PCDDs/PCDFs). Collection on sorbent-backed filters

EH/2/5

BS ISO 16000-16:2008

Indoor air. Detection and enumeration of moulds. Sampling by filtration

EH/2/5

BS ISO 16117:2013

Nuclear criticality safety. Estimation of the number of fissions of a postulated criticality accident

NCE/9

BS ISO 16625:2013

Cranes and hoists. Selection of wire ropes, drums and sheaves

MHE/3

BS ISO 16759:2013

Graphic technology. Quantification and communication for calculating the carbon footprint of print media products

PAI/43

BS ISO 17095:2013

Fine ceramics (advanced ceramics, advanced technical ceramics). Test method for interfacial bond strength of ceramic materials at elevated temperatures

RPI/13

BS ISO 17398:2004

Safety colours and safety signs. Classification, performance and durability of safety signs

PH/8/1

BS ISO 24114:2011

Instant coffee. Criteria for authenticity

AW/15

BS ISO 29781:2008

Prostheses and orthoses. Factors to be included when describing physical activity of a person who has had a lower limb amputation(s) or who has a deficiency of a lower limb segment(s) present at birth

CH/168

BS ISO 29783-1:2008

Prosthetics and orthotics. Vocabulary. Normal gait

CH/168

DD ISO/TS 3691-7:2011

Industrial trucks. Safety requirements and verification. Regional requirements for countries within the European Community

MHE/7

PD ISO/TS 13399-202:2015

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

MTE/18

PD ISO/TR 14521:2010

Gears. Calculation of load capacity of wormgears

MCE/5

PD ISO/IEC TS 18661-1:2014

Information technology. Programming languages, their environments, and system software interfaces. Floating-point extensions for C. Binary floating-point arithmetic

IST/5

PD ISO/IEC TS 18661-2 June:2015

Information Technology. Programming languages, their environments, and system software interfaces. Floating-point extensions for C. Decimal floating-point arithmetic

IST/5

PD ISO/IEC TS 18822:2015

Programming languages. C++. File System Technical Specification

IST/5

BS 5M 23:1987

Specification for an identification scheme for pipelines

ACE/69

ISO/TS 13399-202:2015

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

MTE/18

ISO/IEC TS 18822:2015

Programming languages. C++. File System Technical Specification

IST/5

**BRITISH STANDARDS
WITHDRAWN**

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

BS 1707:1989

Specification for hot binder distributors for road surface dressing

B/510/2

Superseded by BS 1707:2018

BS 2693-2:1964

Specification for screwed studs. Recommendations for high grade studs (with Class 5 interference fit threads to American Standard ASA B1.12)

FME/9

This standard is withdrawn as it is no longer relevant

BS 3224-5:1988

Lighting fittings for civil land aerodromes. Specification for inset lighting units

EPL/97

This standard is withdrawn without replacement

BS 3680-5:1992

(ISO 1070:1992)
Measurement of liquid flow in open channels. Slope area method of estimation

CPI/113/1

Superseded by BS ISO 1070:2018

BS 4480-3:1993

(ISO 4379:1993)

Plain bearings: metric series. Copper alloy bushes

MCE/12

Superseded by BS ISO 4379:2018

BS 4761:1971

Specification for sprayed unfused metal coatings for engineering purposes

STI/40

Superseded by BS EN 13507:2018, BS EN ISO 12679:2015, BS EN ISO 14921:2010 and BS EN ISO 14924:2005

BS 4950:1973

Specification for sprayed and fused metal coatings for engineering purposes

STI/40

Superseded by BS EN ISO 14920:2015

BS 8303-1:1994

Installation of domestic heating and cooking appliances burning solid mineral fuels.
Installation of domestic heating and cooking appliances burning solid mineral fuels.
Specification for the design of installations

RHE/28

Superseded by BS 8303:2018

BS 8303-2:1994

Installation of domestic heating and cooking appliances burning solid mineral fuels.
Installation of domestic heating and cooking appliances burning solid mineral fuels.
Specification for installing and commissioning on site

RHE/28

Superseded by BS 8303:2018

BS 8303-3:1994

Installation of domestic heating and cooking appliances burning solid mineral fuels.
Recommendations for design and on site installation

RHE/28

Superseded by BS 8303:2018

BS 8473:2006+A2:2013

Intruder and hold-up alarm systems.
Management of false alarms. Code of practice

GW/1/2

Superseded by BS 8473:2018

BS 8599-1:2011

Workplace first aid kits. Specification for the contents of workplace first aid kits

CH/100/-/6

DD CEN/TS 54-14:2004

Fire detection and fire alarm systems.
Guidelines for planning, design, installation, commissioning, use and maintenance

FSH/12

Superseded by PD CEN/TS 54-14:2018

DD CEN/TS 1992-4-1:2009

Design of fastenings for use in concrete.
General

B/525/2

Superseded by BS EN 1992-4:2018

DD CEN/TS 1992-4-2:2009

Design of fastenings for use in concrete.
Headed fasteners

B/525/2

Superseded by BS EN 1992-4:2018

DD CEN/TS 1992-4-3:2009

Design of fastenings for use in concrete. Anchor channels

B/525/2

Superseded by BS EN 1992-4:2018

DD CEN/TS 1992-4-4:2009

Design of fastenings for use in concrete. Post-installed fasteners. Mechanical systems

B/525/2

Superseded by BS EN 1992-4:2018

DD CEN/TS 1992-4-5:2009

Design of fastenings for use in concrete. Post-installed fasteners. Chemical systems

B/525/2

Superseded by BS EN 1992-4:2018

BS EN ISO 204:2009

Metallic materials. Uniaxial creep testing in tension. Method of test

ISE/101

Superseded by BS EN ISO 204:2018

BS EN 381-1:1993

Protective clothing for users of hand-held chain saws. Test rig for testing resistance to cutting by a chain saw

PH/3/5

Superseded by BS EN ISO 11393-1:2018

BS EN 381-3:1996

Protective clothing for users of hand-held chain saws. Test methods for footwear

PH/3/5

Superseded by BS EN ISO 11393-3:2018

BS EN 580:2003

Plastics piping Systems. Unplasticized poly(vinyl chloride) (PVC-U) pipes. Test methods for the resistance to dichloromethane at a specified temperature (DCMT)

PRI/88/4

Superseded by BS EN ISO 9852:2017

BS EN 744:1996

(BS 2782-11:Method 1108C:1996)

Plastics piping and ducting systems.
Thermoplastics pipes. Test method for resistance to external blows by the round-the-clock method

PRI/88

Also numbered BS 2782-11:Method 1108C:1996.

Superseded by BS EN ISO 3127:2017

BS EN 927-6:2006

Paints and varnishes. Coating materials and coating systems for exterior wood. Exposure of wood coatings to artificial weathering using fluorescent UV lamps and water

STI/28

Superseded by BS EN 927-6:2018

BS EN 997:2012+A1:2015

WC pans and WC suites with integral trap

B/503

Superseded by BS EN 997:2018

BS EN 1053:1996

(BS 2782-11:Method 1112B:1996)

Plastics piping systems. Thermoplastics piping systems for non-pressure applications. Test methods for watertightness

PRI/88

Also numbered BS 2782-11:Method 1112B:1996.

Superseded by BS EN ISO 13254:2017

BS EN 1104:2005

Paper and board intended to come into contact with foodstuffs. Determination of the transfer of antimicrobial constituents

CW/47/3

Superseded by BS EN 1104:2018

BS EN 1176-1:2008

Playground equipment and surfacing. General safety requirements and test methods

SW/65

Superseded by BS EN 1176-1:2017

BS EN 1411:1996

(BS 2782-11:Method 1108B:1996)

Plastics piping and ducting systems.
Thermoplastics pipes. Determination of resistance to external blows by the staircase method

PRI/88

Also numbered BS 2782-11:Method 1108B:1996.

Superseded by BS EN ISO 11173:2017

BS EN 1526:1997+A1:2008

Safety of industrial trucks. Additional requirements for automated functions on trucks

MHE/7

Formerly BS EN 1526:1998. Superseded by

BS EN ISO 24134:2018

BS EN 1822-2:2009

High efficiency air filters (EPA, HEPA and ULPA).
Aerosol production, measuring equipment, particle counting statistics

MCE/21/3

Superseded by BS EN ISO 29463-2:2018

BS EN 1822-3:2009

High efficiency air filters (EPA, HEPA and ULPA).
Testing flat sheet filter media

MCE/21/3

Superseded by BS EN ISO 29463-3:2018

BS EN 1822-4:2009

High efficiency air filters (EPA, HEPA and ULPA).
Determining leakage of filter elements (scan method)

MCE/21/3

Superseded by BS EN ISO 29463-4:2018

BS EN 1822-5:2009

High efficiency air filters (EPA, HEPA and ULPA).
Determining the efficiency of filter elements

MCE/21/3

Superseded by BS EN ISO 29463-5:2018

BS EN 2564:1998

Carbon fibre laminates. Determination of the fibre, resin and void contents

ACE/65

Superseded by BS EN 2564:2018

BS EN 2591-403:2012

Aerospace series. Elements of electrical and optical connection. Test methods. Sinusoidal and random vibration

ACE/6

Superseded by BS EN 2591-403:2018

BS EN 3660-004:2009

Aerospace series. Cable outlet accessories for circular and rectangular electrical and optical connectors. Cable outlet, style A, straight, unsealed with clamp strain relief for EN 2997 and EN 4067. Product standard

ACE/6

Superseded by BS EN 3660-004:2018

BS EN 3660-005:2009

Aerospace series. Cable outlet accessories for circular and rectangular electrical and optical connectors. Cable outlet, style A, 90°, unsealed with clamp strain relief for EN 2997 and EN 4067. Product standard

ACE/6

Superseded by BS EN 3660-005:2018

BS EN 3745-202:2005

Aerospace series. Fibres and cables, optical, aircraft use. Test methods. Fibre dimensions

ACE/6/-10

Superseded by BS EN 3745-202:2018

BS EN ISO 4022:2006

Permeable sintered metal materials. Determination of fluid permeability

ISE/65

Formerly BS 5600-3.6:1988. Superseded by BS EN ISO 4022:2018

BS EN 4611-005:2012

Aerospace series. Cables, electrical, for general purpose, single and multicore assembly. XLETFE Family. Silver plated copper. Operating temperatures, between -65 °C and 150 °C. Single extruded wall for enclosed applications. UV laser printable. Product Standard

ACE/6

Superseded by BS EN 4611-005:2018

BS EN 4611-006:2012

Aerospace series. Cables, electrical, for general purpose, single and multicore assembly. XLETFE Family. Silver plated copper. Operating temperatures, between -65°C and 150°C. Dual extruded wall for open applications. UV laser printable. Product stand

ACE/6

Superseded by BS EN 4611-006:2018

BS EN 4611-007:2012

Aerospace series. Cables, electrical, for general purpose, single and multicore assembly. XLETFE Family. Nickel plated copper. Operating temperatures, between -65°C and 150°C. Dual extruded wall for open applications. UV laser printable. Product stand

ACE/6

Superseded by BS EN 4611-007:2018

BS EN 4710-01:2015

Aerospace series. Quick release fastening systems for non-structural applications. Technical specification

ACE/12

Superseded by BS EN 4710-01:2018

BS EN 4710-03:2015

Aerospace series. Quick release fastening systems for non-structural applications. Spring clamp

ACE/12

Superseded by BS EN 4710-03:2018

BS EN ISO 6185-1:2001

Inflatable boats. Boats with a maximum motor power rating of 4,5 kW

GME/33

Superseded by BS EN ISO 6185-1:2018

BS EN ISO 6185-2:2001

Inflatable boats. Boats with a maximum motor power rating of 4.5 kW to 15 kW inclusive

GME/33

Superseded by BS EN ISO 6185-2:2018

BS EN ISO 6185-3:2014

Inflatable boats. Boats with a hull length less than 8 m with a motor rating of 15 kW and greater

GME/33

Superseded by BS EN ISO 6185-3:2018

BS EN ISO 6185-4:2011

Inflatable boats. Boats with a hull length of between 8 m and 24 m with a motor power rating of 15 kW and greater

GME/33

Superseded by BS EN ISO 6185-4:2018

BS EN ISO 6413:1995

(BS 308-1.9:1995)

Technical drawings. Representation of splines and serrations

TDW/4

Also numbered BS 308-1.9:1995. Superseded by BS EN ISO 6413:2018

BS EN ISO 6802:2008

Rubber and plastics hoses and hose assemblies with wire reinforcements. Hydraulic impulse test with flexing

PR1/66

Superseded by BS EN ISO 6802:2018

BS EN ISO 7783:2011

Paints and varnishes. Determination of water-vapour transmission properties. Cup method

ST1/10

Superseded by BS EN ISO 7783:2018

BS EN ISO 7840:2013

Small craft. Fire-resistant fuel hoses

GME/33

Superseded by BS EN ISO 7840:2018

BS EN ISO 8199:2007

Water quality. General guidance on the enumeration of micro-organisms by culture

EH/3/4

Formerly BS ISO 8199:2005. Superseded by BS EN ISO 8199:2018

BS EN ISO 8469:2013

Small craft. Non-fire-resistant fuel hoses

GME/33

Superseded by BS EN ISO 8469:2018

BS EN ISO 8666:2016

Small craft. Principal data

GME/33

Superseded by BS EN ISO 8666:2018

BS EN ISO 8849:2003

Small craft. Electrically operated direct-current bilge-pumps

GME/33

Superseded by BS EN ISO 8849:2018

BS EN ISO 8993:2010

Anodizing of aluminium and its alloys. Rating system for the evaluation of pitting corrosion. Chart method

ST1/33

Superseded by BS EN ISO 8993:2018

BS EN ISO 9093-1:1998

Small craft. Seacocks and through-hull fittings. Metallic

GME/33

Formerly BS 7828:Part 1:1995. Superseded by BS EN ISO 9093-1:2018

BS EN ISO 9093-2:2002

Small craft. Seacocks and through-hull fittings. Non-metallic

GME/33

Superseded by BS EN ISO 9093-2:2018

BS EN ISO 10325:2009

Fibre ropes. High modulus polyethylene. 8-strand braided ropes, 12-strand braided ropes and covered ropes

TC1/77

Superseded by BS EN ISO 10325:2018

BS EN ISO 10545-2:1997

Ceramic tiles. Determination of dimensions and surface quality

B/539

Superseded by BS EN ISO 10545-2:2018

BS EN ISO 11124-3:1997

(BS 7079-E3:1994)

Preparation of steel substrates before application of paints and related products. Specifications for metallic blast-cleaning abrasives. High-carbon cast-steel shot and grit

ST1/21

Also numbered BS 7079-E3:1994. Superseded by BS EN ISO 11124-3:2018

BS EN ISO 11125-1:1997

(BS 7079-E6:1994)

Preparation of steel substrates before application of paints and related products. Test methods for metallic blast-cleaning abrasives. Sampling

ST1/21

Also numbered BS 7079-E6:1994. Superseded by BS EN ISO 11125-1:2018

BS EN ISO 11125-7:1997

(BS 7079-E12:1994)

Preparation of steel substrates before application of paints and related products. Test methods for metallic blast-cleaning abrasives. Determination of moisture

STI/21

Also numbered BS 7079-E12:1994. Superseded by BS EN ISO 11125-7:2018

BS EN ISO 11126-5:1998

(BS 7079-F5:1994)

Preparation of steel substrates before application of paints and related products. Specifications for non-metallic blast-cleaning abrasives. Nickel refinery slag

STI/21

Also numbered BS 7079-F5:1994. Superseded by BS EN ISO 11126-5:2018

BS EN ISO 11126-6:1998

(BS 7079-F6:1994)

Preparation of steel substrates before application of paints and related products. Specifications for non-metallic blast-cleaning abrasives. Iron furnace slag

STI/21

Also numbered BS 7079-F6:1994. Superseded by BS EN ISO 11126-6:2018

BS EN ISO 11126-7:2001

Preparation of steel substrates before application of paints and related products. Specifications for non-metallic blast-cleaning abrasives. Specification for fused aluminium oxide

STI/21

Also numbered BS 7079-F7:1996. Superseded by BS EN ISO 11126-7:2018

BS EN ISO 11192:2005

Small craft. Graphical symbols

GME/33

Superseded by BS EN ISO 11192:2018

BS EN ISO 11297-3:2013

Plastics piping systems for renovation of underground drainage and sewerage networks under pressure. Lining with close-fit pipes

PRI/88/3

Superseded by BS EN ISO 11297-3:2018

BS EN ISO 11298-3:2011

Plastics piping systems for renovation of underground water supply networks. Lining with close-fit pipes

PRI/88/3

Superseded by BS EN ISO 11298-3:2018

BS EN ISO 11547:1996

Small craft. Start-in-gear protection

GME/33

Superseded by BS EN ISO 11547:2018

BS EN ISO 11990-1:2014

Lasers and laser-related equipment. Determination of laser resistance of tracheal tubes. Tracheal tube shaft

CPW/172

Superseded by BS EN ISO 11990:2018

BS EN ISO 11990-2:2014

Lasers and laser-related equipment. Determination of laser resistance of tracheal tubes. Tracheal tube cuffs

CPW/172

Superseded by BS EN ISO 11990:2018

BS EN ISO 12215-1:2000

Small craft. Hull construction and scantlings. Materials. Thermosetting resins, glass-fibre reinforcement, reference laminate

GME/33

Superseded by BS EN ISO 12215-1:2018

BS EN ISO 12215-2:2002

Small craft. Hull construction and scantlings. Materials. Core materials for sandwich construction, embedded materials

GME/33

Superseded by BS EN ISO 12215-2:2018

BS EN ISO 12215-3:2002

Small craft. Hull construction and scantlings. Materials. Steel, aluminium alloys, wood, other materials

GME/33

Superseded by BS EN ISO 12215-3:2018

BS EN ISO 12215-4:2002

Small craft. Hull construction and scantlings. Workshop and manufacturing

GME/33

Superseded by BS EN ISO 12215-4:2018

BS EN ISO 12215-5:2008+A1:2014

Small craft. Hull construction and scantlings. Design pressures for monohulls, design stresses, scantlings determination

GME/33

Superseded by BS EN ISO 12215-5:2018

BS EN ISO 12215-6:2008

Small craft. Hull construction and scantlings. Structural arrangements and details

GME/33

Superseded by BS EN ISO 12215-6:2018

BS EN ISO 12215-8:2009

Small craft. Hull construction and scantlings. Rudders

GME/33

Superseded by BS EN ISO 12215-8:2018

BS EN ISO 12215-9:2012

Small craft. Hull construction and scantlings. Sailing craft appendages

GME/33

Superseded by BS EN ISO 12215-9:2018

BS EN ISO 12216:2002

Small craft. Windows, portlights, hatches, deadlights and doors. Strength and watertightness requirements

GME/33

Superseded by BS EN ISO 12216:2018

BS EN 12405-1:2005+A2:2010

Gas meters. Conversion devices. Volume conversion

GSE/25

Superseded by BS EN 12405-1:2018

BS EN 12536:2000

Welding consumables. Rods for gas welding of non alloy and creep-resisting steels. Classification

WEE/39

Superseded by BS EN ISO 20378:2018

BS EN 12679:2000

Non-destructive testing. Determination of the size of industrial radiographic sources. Radiographic method

WEE/46

Superseded by BS EN 12679:2018

BS EN 12726:2000

Packaging. Cork mouth finish with a bore diameter of 18,5 mm for corks and tamper evident capsules

PKW/0/-7

Superseded by BS EN 12726:2018

BS EN 12826:2000

Footwear. Test methods for lining and in socks. Static friction

TCI/69

Superseded by BS EN ISO 22653:2018

BS EN 12958:2000

Footwear. Test methods for shanks. Fatigue resistance

TCI/69

Superseded by BS EN ISO 18895:2018

BS EN ISO 13297:2014

Small craft. Electrical systems. Alternating current installations

GME/33

Superseded by BS EN ISO 13297:2018

BS EN 13400:2002

Footwear. Sampling location, preparation and duration of conditioning of samples and test pieces

TCI/69

Superseded by BS EN ISO 17709:2018

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BS EN 13518:2002

Footwear. Test methods for uppers. Water resistance

TCI/69

Superseded by BS EN ISO 17702:2018

BS EN 13519:2002

Footwear. Test methods for uppers. High temperature behaviour

TCI/69

Superseded by BS EN ISO 17703:2018

BS EN 13521:2002

Footwear. Test methods for uppers, lining and insoles. Thermal insulation

TCI/69

Superseded by BS EN ISO 17705:2018

BS EN 13522:2002

Footwear. Test methods for uppers. Tensile strength and elongation

TCI/69

Superseded by BS EN ISO 17706:2018

BS EN 13565-2:2009

Fixed firefighting systems. Foam systems. Design, construction and maintenance

FSH/18/7

Superseded by BS EN 13565-2:2018

BS EN 13571:2002

Footwear. Test methods for uppers, lining and insoles. Tear strength

TCI/69

Superseded by BS EN ISO 17696:2018

BS EN ISO 13590:2003

Small craft. Personal watercraft. Construction and system installation requirements

GME/33

Superseded by BS EN ISO 13590:2018

BS EN 13702:2010

(BS 2000-513:2010)

Bitumen and bituminous binders. Determination of dynamic viscosity of modified bitumen by cone and plate method

PTI/13

Also numbered BS 2000-513:2010. Superseded by BS EN 13702:2018

BS EN 13832-1:2006

Footwear protecting against chemicals. Terminology and test methods

PH/1

Superseded by BS EN 13832-1:2018

BS EN 14018:2005+A1:2009

Agricultural and forestry machinery. Seed drills. Safety

AGE/32

Superseded by BS EN ISO 4254-9:2018

BS EN 14064-1:2010

Thermal insulation products for buildings. In-situ formed loose-fill mineral wool (MW) products. Specification for the loose-fill products before installation

B/540/6

Superseded by BS EN 14064-1:2018

BS EN 14081-2:2010+A1:2012

Timber structures. Strength graded structural timber with rectangular cross section. Machine grading; additional requirements for initial type testing

B/518

Superseded by BS EN 14081-2:2018

BS EN 14085:2010

Resilient floor coverings. Specification for floor panels for loose laying

PRI/3

Superseded by BS EN ISO 20326:2018

BS EN 14215:2013

Textile floor coverings. Classification of machine-made pile rugs and runners

PRI/3

Superseded by BS EN 14215:2018

BS EN 14236:2007

Ultrasonic domestic gas meters

GSE/25

Superseded by BS EN 14236:2018

BS EN ISO 14509-1:2008

Small craft. Airborne sound emitted by powered recreational craft. Pass-by measurement procedures

GME/33

Superseded by BS EN ISO 14509-1:2018

BS EN ISO 14509-3:2009

Small craft. Airborne sound emitted by powered recreational craft. Sound assessment using calculation and measurement procedures

GME/33

Superseded by BS EN ISO 14509-3:2018

BS EN ISO 15083:2003

Small craft. Bilge-pumping systems

GME/33

Superseded by BS EN ISO 15083:2018

BS EN ISO 15084:2003

Small craft. Anchoring, mooring and towing. Strong points

GME/33

Superseded by BS EN ISO 15084:2018

BS EN ISO 15494:2015

Plastics piping systems for industrial applications. Polybutene (PB), polyethylene (PE), polyethylene of raised temperature resistance (PE-RT), crosslinked polyethylene (PE-X), polypropylene (PP). Metric series for specifications for components and the system

PRI/88/2

Superseded by BS EN ISO 15494:2018

BS EN 15885:2010

Classification and characteristics of techniques for renovation and repair of drains and sewers

B/505

Superseded by BS EN 15885:2018

BS EN ISO 16180:2013

Small craft. Navigation lights. Installation, placement and visibility

GME/33

Superseded by BS EN ISO 16180:2018

BS EN 16407-1:2014

Non-destructive testing. Radiographic inspection of corrosion and deposits in pipes by X- and gamma rays. Tangential radiographic inspection

WEE/46

Superseded by BS EN ISO 20769-1:2018

BS EN 16407-2:2014

Non-destructive testing. Radiographic inspection of corrosion and deposits in pipes by X- and gamma rays. Double wall radiographic inspection

WEE/46

Superseded by BS EN ISO 20769-2:2018

BS EN ISO 19232-5:2013

Non-destructive testing. Image quality of radiographs. Determination of the image unsharpness value using duplex wire-type image quality indicators

WEE/46

Superseded by BS EN ISO 19232-5:2018

BS EN ISO 21487:2012+A2:2015

Small craft. Permanently installed petrol and diesel fuel tanks

GME/33

Superseded by BS EN ISO 21487:2018

BS EN ISO 21809-1:2011

Petroleum and natural gas industries. External coatings for buried or submerged pipelines used in pipeline transportation systems. Polyolefin coatings (3-layer PE and 3-layer PP)

PSE/17/2

Superseded by BS EN ISO 21809-1:2018

BS EN ISO 23470:2011

Soil quality. Determination of effective cation exchange capacity (CEC) and exchangeable cations using a hexamminecobalt trichloride solution

EH/4

Formerly BS ISO 23470:2007. Superseded by BS EN ISO 23470:2018

BS EN ISO 25197:2012+A1:2014

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

GME/33

Superseded by BS EN ISO 25197:2018

BS EN ISO 28158:2010

Dentistry. Integrated dental floss and handles

CH/106/7

Superseded by BS EN ISO 28158:2018

BS EN 50069:1991+A1:1993

Specification for welded composite enclosures of cast and wrought aluminium alloys for gas-filled high-voltage switchgear and controlgear

PEL/17

Superseded by BS EN 50069:2018

BS EN 60034-14:2004

Rotating electrical machines. Mechanical vibration of certain machines with shaft heights 56 mm and higher. Measurement, evaluation and limits of vibration severity

PEL/2

Superseded by BS EN IEC 60034-14:2018

BS EN 60076-11:2004

Power transformers. Dry-type transformers

PEL/14

Superseded by BS EN IEC 60076-11:2018

BS EN 60127-7:2013

Miniature fuses. Miniature fuse-links for special applications

PEL/32

Superseded by BS EN 60127-7:2016

BS EN 60335-2-15:2002+A11:2012

Household and similar electrical appliances. Safety. Particular requirements for appliances for heating liquids

CPL/61/7

Superseded by BS EN 60335-2-15:2016

BS EN 60335-2-35:2002+A2:2011

Household and similar electrical appliances. Safety. Particular requirements for instantaneous water heaters

CPL/61/7

Superseded by BS EN 60335-2-35:2016

BS EN 60793-1-49:2006

Optical fibres. Measurement methods and test procedures. Differential mode delay

GEL/86/1

Superseded by BS EN IEC 60793-1-49:2018

BS EN 60793-1-54:2013

Optical fibres. Measurement methods and test procedures. Gamma irradiation

GEL/86/1

Superseded by BS EN IEC 60793-1-54:2018

BS EN 60794-4-20:2012

Optical fibre cables. Aerial optical cables along electrical power lines. Family specification for ADSS (All Dielectric Self Supported) optical cables

GEL/86/1

Superseded by BS EN IEC 60794-4-20:2018

BS EN 60812:2006

Analysis techniques for system reliability. Procedure for failure mode and effects analysis (FMEA)

DS/1

Superseded by BS EN IEC 60812:2018

BS EN 61191-1:2013

Printed board assemblies. Generic specification. Requirements for soldered electrical and electronic assemblies using surface mount and related assembly technologies

EPL/501

Superseded by BS EN IEC 61191-1:2018

BS EN 61753-1:2007

Fibre optic interconnecting devices and passive components performance standard. General and guidance for performance standards

GEL/86/2

Superseded by BS EN IEC 61753-1:2018

BS EN 61757-1:2012

Fibre optic sensors. Generic specification

GEL/86/3

Superseded by BS EN IEC 61757:2018

BS EN 61800-7-1:2008

Adjustable speed electrical power drive systems. Generic interface and use of profiles for power drive systems. Interface definition

PEL/22

Superseded by BS EN 61800-7-1:2016

BS EN 61800-7-201:2008

Adjustable speed electrical power drive systems. Generic interface and use of profiles for power drive systems. Profile type 1 specification

PEL/22

Superseded by BS EN 61800-7-201:2016

BS EN 61800-7-202:2008

Adjustable speed electrical power drive systems. Generic interface and use of profiles for power drive systems. Profile type 2 specification

PEL/22

Superseded by BS EN 61800-7-202:2016

BS EN 61800-7-203:2008

Adjustable speed electrical power drive systems. Generic interface and use of profiles for power drive systems. Profile type 3 specification

PEL/22

Superseded by BS EN 61800-7-203:2016

BS EN 61800-7-204:2008

Adjustable speed electrical power drive systems. Generic interface and use of profiles for power drive systems. Profile type 4 specification

PEL/22

Superseded by BS EN 61800-7-204:2016

BS EN 61800-7-301:2008

Adjustable speed electrical power drive systems. Generic interface and use of profiles for power drive systems. Mapping of profile type 1 to network technologies

PEL/22

Superseded by BS EN 61800-7-301:2016

BS EN 61800-7-302:2008

Adjustable speed electrical power drive systems. Generic interface and use of profiles for power drive systems. Mapping of profile type 2 to network technologies

PEL/22

Superseded by BS EN 61800-7-302:2016

BS EN 61800-7-303:2008

Adjustable speed electrical power drive systems. Generic interface and use of profiles for power drive systems. Mapping of profile type 3 to network technologies

PEL/22

Superseded by BS EN 61800-7-303:2016

BS EN 61800-7-304:2008

Adjustable speed electrical power drive systems. Generic interface and use of profiles for power drive systems. Mapping of profile type 4 to network technologies

PEL/22

Superseded by BS EN 61800-7-304:2016

DD ENV 12694:1997

Public transport. Road vehicles. Dimensional requirements for variable electronic external signs

EPL/278

This standard has been withdrawn without replacement

BS ISO 1087-2:2000

Terminology work. Vocabulary. Computer applications

TS/1

BS ISO 1997:1992

Granulated cork and cork powder. Classification, properties and packing

PRU/81

Superseded by BS ISO 1997:2018

BS ISO 2942:2004

Hydraulic fluid power. Filter elements. Verification of fabrication integrity and determination of the first bubble point

MCE/18

Superseded by BS ISO 2942:2018

BS ISO 4254-9:2008

Agricultural machinery. Safety. Seed drills

AGE/32

Superseded by BS EN ISO 4254-9:2018

BS ISO 7112:2017

Machinery for forestry. Portable brush-cutters and grass-trimmers. Vocabulary

AGE/29

Superseded by BS ISO 7112:2018

BS ISO 7612:2009

Diesel engines. Base-mounted in-line fuel injection pumps and high-pressure supply pumps for common rail fuel injection systems. Mounting dimensions

MCE/22

Superseded by BS ISO 7612:2018

BS ISO 7867-1:2005

Tyres and rims (metric series) for agricultural tractors and machines. Tyre designation, dimensions and marking, and tyre/rim coordination

AUE/4

Superseded by BS ISO 7867-1:2018

BS ISO 8332:2011

Rubber compounding ingredients. Sulfur. Methods of test

PR1/50

Superseded by BS ISO 8332:2018

BS ISO 8528-5:2013

Reciprocating internal combustion engine driven alternating current generating sets. Generating sets

MCE/14

Superseded by BS ISO 8528-5:2018

BS ISO/IEC 9973:2006

Information technology. Computer graphics, image processing and environmental data representation. Procedures for registration of items

IST/31

This Standard is withdrawn as it is no longer used in the UK. The base document ISO/IEC 9973:2006 has been superseded by ISO/IEC 9973:2013, which was not adopted as a British Standard

BS ISO 10110-14:2007

Optics and photonics. Preparation of drawings for optical elements and systems. Wavefront deformation tolerance

CPW/172

Superseded by BS ISO 10110-14:2018

BS ISO/IEC 10118-3:2004+A1:2006

Information technology. Security techniques. Hash-functions. Dedicated hash-functions

IST/33/2

Superseded by BS ISO/IEC 10118-3:2018

BS ISO 10290:1993

Textiles. Cotton yarns. Specifications

TCI/24

Superseded by BS ISO 10290:2018

BS ISO 10381-1:2002

Soil quality. Sampling. Guidance on the design of sampling programmes

EH/4

Superseded by BS ISO 18400-107:2017

BS ISO 10381-6:2009

Soil quality. Sampling. Guidance on the collection, handling and storage of soil under aerobic conditions for the assessment of microbiological processes, biomass and diversity in the laboratory

EH/4

Superseded by BS ISO 18400-105:2017

BS ISO 10553:2003

Horology. Procedure for evaluating the accuracy of quartz watches

STI/53

Superseded by BS ISO 10553:2018

BS ISO 11425:1996

Rubber hoses and hose assemblies for automobile power-steering systems. Specification

PR1/66

Superseded by BS ISO 11425:2018

BS ISO 11783-3:2014

Tractors and machinery for agriculture and forestry. Serial control and communications data network. Data link layer

AGE/6

Superseded by BS ISO 11783-3:2018

BS ISO 11901-2:2004

Tools for pressing. Gas springs. Specification of accessories

MTE/12

Superseded by BS ISO 11901-2:2018

BS ISO 12900:2015

Hard coal. Determination of abrasiveness

PTI/16

Superseded by BS ISO 12900:2018

BS ISO 13084:2011

Surface chemical analysis. Secondary-ion mass spectrometry. Calibration of the mass scale for a time-of-flight secondary-ion mass spectrometer

CII/60

Superseded by BS ISO 13084:2018

BS ISO 14701:2011

Surface chemical analysis. X-ray photoelectron spectroscopy. Measurement of silicon oxide thickness

CII/60

Superseded by BS ISO 14701:2018

BS ISO 14839-1:2002+A1:2010

Mechanical vibration. Vibration of rotating machinery equipped with active magnetic bearings. Vocabulary

GME/21/5

Superseded by BS ISO 14839-1:2018

BS ISO/IEC 14888-3:2016

Information technology. Security techniques. Digital signatures with appendix. Discrete logarithm based mechanisms

IST/33/2

Superseded by BS ISO/IEC 14888-3:2018

BS ISO/IEC 15444-6:2003

Information technology. JPEG 2000 image coding system. Compound image file format

IST/37

Superseded by None

BS ISO 22762-1:2005

Elastomeric seismic-protection isolators. Test methods

PR1/73

Superseded by BS ISO 22762-1:2018

BS ISO 22915-4:2009+A1:2013

Industrial trucks. Verification of stability. Pallet stackers, double stackers and order-picking trucks with operator position elevating up to and including 1 200 mm lift height

MHE/7

Superseded by BS ISO 22915-4:2018

BS ISO 24102-1:2013+A1:2017

Intelligent transport systems. Communications access for land mobiles (CALM). ITS station management. Local management

EPL/278

Superseded by BS ISO 24102-1:2018

BS ISO 24102-2:2015

Intelligent transport systems. Communications access for land mobiles (CALM). ITS station management. Remote management of ITS-SCUs

EPL/278

Superseded by BS ISO 24102-2:2018

BS ISO 24102-3:2013+A1:2017

Intelligent transport systems. Communications access for land mobiles (CALM). ITS station management. Service access points

EPL/278

Superseded by BS ISO 24102-3:2018

BS ISO 24102-4:2013+A1:2017

Intelligent transport systems. Communications access for land mobiles (CALM). ITS station management. Station-internal management communications

EPL/278

Superseded by BS ISO 24102-4:2018

BS ISO/IEC 24787:2010

Information technology. Identification cards. On-card biometric comparison

IST/17

Superseded by BS ISO/IEC 24787:2018

BS ISO 28560-2:2014

Information and documentation. RFID in libraries. Encoding of RFID data elements based on rules from ISO/IEC 15962

IDT/27

Superseded by BS ISO 28560-2:2018

BS ISO/IEC 29147:2014

Information technology. Security techniques. Vulnerability disclosure

IST/33/3

Superseded by BS ISO/IEC 29147:2018

BS IEC 60092-101:1994

Electrical installation in ships. Definitions and general requirements

JPEL/18

Superseded by BS IEC 60092-101:2018

DD ISO/TS 16553:2006

Road vehicles. Data cables. Test methods and requirements

AUE/16

This standard has been withdrawn as ISO/TS 16553:2006 has been withdrawn by ISO

DD IEC/PAS 61156-1-4:2010

Multicore and symmetrical pair/quad cables for digital communications. Symmetrical pair/quad cables with transmission characteristics up to 1000 MHz. Conductor heating of bundled data grade cables for limited power transmission based on IEEE 802.3

EPL/46

Superseded by BS IEC 61156-1-4:2018

DD IEC/TS 62312-1-1:2008

Guideline for synchronization of audio and video. Measurement methods for synchronization of audio and video equipment and systems. General

EPL/100

Superseded by PD IEC TS 62312-1-1:2018

DD IEC/TS 62312-2:2007

Guideline for synchronization of audio and video. Methods for synchronization of audio and video systems

EPL/100

Superseded by PD IEC TS 62312-2:2018

PD CEN/TS 16354:2013

Laminate floor coverings. Underlays. Specification, requirements and test methods

PRI/60

Superseded by BS EN 16354:2018

PD CEN/TS 16637-1:2014

Construction products. Assessment of release of dangerous substances. Guidance for the determination of leaching tests and additional testing steps

B/557

Superseded by PD CEN/TS 16637-1:2018

PD ISO/TS 13605:2012

Solid mineral fuels. Major and minor elements in hard coal ash and coke ash. Wavelength dispersive X-ray fluorescence spectrometric method

PTV/16

Superseded by BS ISO 13605:2018

PD ISO/IEC TS 24748-1:2016

Systems and software engineering. Life cycle management. Guidelines for life cycle management

IST/15

Superseded by BS ISO/IEC/IEEE 24748-1:2018

PD IEC/TS 62325-503:2014

Framework for energy market communications. Market data exchanges guidelines for the IEC 62325-351 profile

PEL/57

Superseded by BS EN IEC 62325-503:2018

PAS 2001:2001

Knowledge management

KMS/1

PAS 2001:2001 has been withdrawn due to the publication of BS ISO 30401:2018

PAS 2017:2014

Guide for digital infrastructure to enable access to digital content for small-scale commercial enterprises

ZZ/3

This standard is withdrawn as it is considered out of date

OHSAS 18002:2008

Occupational health and safety management systems. Guidelines for the implementation of OHSAS 18001:2007

HS/1

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.

BS 5606

Guide to accuracy in construction

will supersede BS 5606:1990

B/209

BS 202000

Standardization management. Requirements and competency framework

DEF/1

BS EN WI 00150127

Powered industrial trucks. Visibility test methods and verification. Industrial variable-reach trucks greater than 10000kg capacity

MHE/7

BS EN WI 00192116

Portable equipment for projecting extinguishing agents supplied by firefighting pumps. Collecting heads and dividing breechings PN16

FSH/17

BS EN ISO 389-3:2016/A1

Acoustics. Reference zero for the calibration of audiometric equipment. Reference equivalent threshold vibratory force levels for pure tones and bone vibrators

will supersede BS EN ISO 389-3:2016

EH/1/1

BS EN IEC/TM 62885-6

Surface cleaning appliances. Wet hard floor cleaning appliances for household or similar use. Methods for measuring the performance

CPL/59

BS EN IEC 60034-5

Rotating electrical machines. Degrees of protection provided by the integral design of rotating electrical machines (IP code). Classification

PEL/2

BS EN 1176-4:2017/A

Playground equipment and surfacing. Additional specific safety requirements and test methods for cableways

SW/65

BS EN 1176-6:2017/A

Playground equipment and surfacing. Additional specific safety requirements and test methods for rocking equipment

SW/65

BS EN 1177:2018/A

Impact attenuating playground surfacing. Methods of test for determination of impact attenuation

SW/65

BS EN 1463-1

Road marking materials. Retroreflecting road studs. Initial performance requirements

will supersede BS EN 1463-1:2009

B/509/2

BS EN 1534

Wood flooring. Determination of resistance to indentation. Test method

B/543

BS EN 1673

Food processing machinery. Rotary rack ovens. Safety and hygiene requirements

MCE/3/5

BS EN 1676

Aluminium and aluminium alloys. Alloyed ingots for remelting. Specifications

NFE/35

BS EN 1706

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

NFE/35

BS EN ISO 11608-4

Needle-based injection systems for medical use. Requirements and test methods. Needle-based injection systems containing electronics

will supersede BS EN ISO 11608-4:2007

CH/84

BS EN ISO 12312-1

Eye and face protection. Sunglasses and related eyewear. Sunglasses for general use

PH/2/1

BS EN 13067

Plastics welding personnel. Qualification testing of welders. Thermoplastics welded assemblies

will supersede BS EN 13067:2012

PRI/80

BS EN ISO 13408-1

Aseptic processing of health care products. General requirements

CH/198

To order visit

www.bsigroup.com/shop

BS EN ISO 14931

Leather. Guide to the selection of leather for apparel (excluding furs)

will supersede BS EN ISO 14931:2015

TCI/69

BS EN 14988:2017/A1

Children's high chairs. Requirements and test methods

will supersede BS EN 14988:2017

CW/1

BS EN ISO 15223-1

Medical devices. Symbols to be used with medical device labels, labelling and information to be supplied. General requirements

will supersede None

CH/210/3

BS EN 16296

Imperfections in thermoplastics welded joints. Quality levels

will supersede BS EN 16296:2012

PR/80

BS EN 16524

Mechanical products. Methodology for reduction of environmental impacts in product design and development

will supersede PD CEN/TS 16524:2013

TPR/1/7

BS EN 16603-20-06

Space engineering. Spacecraft charging

ACE/68

BS EN 16603-40-07

Space engineering. Software modelling platform

ACE/68

BS EN 16750:2017/A1

Fixed firefighting systems. Oxygen reduction systems. Design, installation, planning and maintenance

will supersede BS EN 16750:2017

FSH/18/6

BS EN 17355

Railway applications. Communication device for Urban Rail. System requirements

will supersede None

RAE/4/-/1

BS EN ISO 17422

Plastics. Environmental aspects. General guidelines for their inclusion in standards

will supersede BS ISO 17422:2002

PR/1

BS EN ISO 20795-2

Dentistry. Base polymers. Orthodontic base polymers

will supersede BS EN ISO 20795-2:2013

CH/106/2

BS EN 50155

Railway applications. Rolling stock. Electronic equipment

GEL/9

BS EN 50546

Railway applications. Rolling stock. 3-phase shore (external) supply system for rail vehicles

GEL/9

BS EN 55016-4-3

Statistical Methods for the determination of compliance with radio frequency emission limits for mass-produced products

GEL/210

BS EN 60034-7

Rotating electrical machines. Classification of types of construction, mounting arrangements and terminal box position (IM Code)

PEL/2

BS EN 60034-11

Rotating electrical machines. Thermal protection

PEL/2

BS EN 60793-2-40

Optical fibres. Product specifications. Sectional specification for category A4 multimode fibres

GEL/86/1

BS EN 60794-3-70

Optical fibre cables. Outdoor cables. Family specification for outdoor optical fibre cables for rapid/multiple deployment

will supersede BS EN 60794-3-70:2016

GEL/86/1

BS EN 60904-5/A1

Photovoltaic devices. Determination of the equivalent cell temperature (ECT) of photovoltaic (PV) devices by the open-circuit voltage method

GEL/82

BS EN 61010-2-020

Safety requirements for electrical equipment for measurement, control, and laboratory use. Particular requirements for laboratory centrifuges

will supersede BS EN 61010-2-020:2017

EPL/66

BS EN 61290-1-1

Optical amplifiers. Test methods. Power and gain parameters. Optical spectrum analyzer method

GEL/86/3

BS EN 61300-3-35

Fibre optic interconnecting devices and passive components. Basic test and measurement procedures. Examinations and measurements. Visual inspection of fibre optic connectors and fibre-stub transceivers

will supersede BS EN 61300-3-35:2015

GEL/86/2

BS EN 61326-2-1

Electrical equipment for measurement, control and laboratory use. EMC requirements.

Particular requirements. Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications

will supersede BS EN 61326-2-1:2013

GEL/65

BS EN 61326-2-2

Electrical equipment for measurement, control and laboratory use. EMC requirements.

Particular requirements. Test configurations, operational conditions and performance criteria for portable test, measuring and monitoring equipment used in low-voltage distribution systems

will supersede BS EN 61326-2-2:2013

GEL/65

BS EN 61326-2-3

Electrical equipment for measurement, control and laboratory use. EMC requirements.

Particular requirements. Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning

will supersede BS EN 61326-2-3:2013

GEL/65

BS EN 61326-2-4

Electrical equipment for measurement, control and laboratory use. EMC requirements.

Particular requirements. Test configurations, operational conditions and performance criteria for insulation monitoring devices according to IEC 61557-8 and for equipment for insulation fault location according to IEC61557-9

will supersede BS EN 61326-2-4:2013

GEL/65

BS EN 61326-2-5

Electrical equipment for measurement, control and laboratory use. EMC requirements.

Particular requirements. Test configurations, operational conditions and performance criteria for field devices with field bus interfaces according to IEC 61784-1

will supersede BS EN 61326-2-5:2013

GEL/65

BS EN 61757-1-1

Fibre optic sensors. Strain measurement. Strain sensors based on fibre Bragg gratings

GEL/86/3

BS EN 62024-2

High frequency inductive components. Electrical characteristics and measuring methods. Rated current of inductors for DC to DC converters

EPL/51

BS EN 62148-6

Fibre optic active components and devices. Package and interface standards. ATM-PON transceivers

will supersede BS EN 62148-6:2003

GEL/86/3

BS EN 62321-2

Determination of certain substances in electrotechnical products. Disassembly, disjunction and mechanical sample preparation

GEL/111

BS EN 62641

Conductors for overhead lines. Aluminium and aluminium alloy wires for concentric lay stranded conductors

GEL/7

BS EN 62841-4-3

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

CPL/116

BS EN 63203-201-1

Wearable electronic devices and technologies. Electronic Textile. Measurement methods for basic properties of conductive yarns

AMT/9

BS EN 63203-201-2

Wearable electronic devices and technologies. Electronic Textile. Measurement methods for basic properties of conductive fabric and insulation materials

AMT/9

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

BS ISO 638-1

Paper, board and pulps. Dry Matter content. Materials in solid form

will supersede None

PAI/11

BS ISO 638-2

Paper, board and pulps. Dry Matter content. Liquid suspensions and gels

will supersede None

PAI/11

BS ISO 4548-6

Methods of test for full-flow lubricating oil filters for internal combustion engines. Static burst pressure test

will supersede BS ISO 4548-6:2012

MCE/21/6

BS ISO 6501

Ferronickel. Specification and delivery requirements

I/-

BS ISO 7396-3

Medical gas pipeline systems. Proportioning units for the production of synthetic medical air

will supersede None

CH/121/6

BS ISO 7396-4

Medical gas pipeline systems. Air Compressor Units

will supersede None

CH/121/6

BS ISO 7396-5

Medical gas pipeline systems. Oxygen Concentrator Units

will supersede None

CH/121/6

BS ISO 7524

Nickel, ferronickel and nickel alloys. Determination of carbon content. Infra-red absorption method after induction furnace combustion

I/-

BS ISO 7526

Ferronickels. Determination of sulfur content. Infra-red absorption method after combustion in an induction furnace. Routine method

I/-

BS ISO 8178-1:2017/A1

Reciprocating internal combustion engines. Exhaust emission measurement. Test-bed measurement systems of gaseous and particulate emissions

MCE/14/-/3

BS ISO 8178-4:2017/A1

Reciprocating internal combustion engines. Exhaust emission measurement. Steady-state and transient test cycles for different engine applications

MCE/14/-/3

BS ISO 8178-5

Reciprocating internal combustion engines. Exhaust emission measurement. Test fuels

MCE/14/-/3

BS ISO/IEC 9594-1:2017/A1

Information technology. Open Systems Interconnection. The Directory. Overview of concepts, models and services

IST/6

BS ISO/IEC 9594-2:2017/A1

Information technology. Open Systems Interconnection. The Directory. Models

IST/6

BS ISO/IEC 9594-3:2017/A1

Information technology. Open Systems Interconnection. The Directory. Abstract service definition

IST/6

BS ISO/IEC 9594-4:2017/A1

Information technology. Open Systems Interconnection. The Directory. Procedures for distributed operation

IST/6

BS ISO/IEC 9594-5:2017/A1

Information technology. Open Systems Interconnection. The Directory. Protocol specifications

IST/6

BS ISO/IEC 9594-6:2017/A1

Information technology. Open Systems Interconnection. The Directory. Selected attribute types

IST/6

BS ISO/IEC 9594-7:2017/A1

Information technology. Open Systems Interconnection. The Directory. Selected object classes

IST/6

BS ISO/IEC 9594-8:2017/A1

Information technology. Open Systems Interconnection. The Directory. Public-key and attribute certificate frameworks

IST/6

BS ISO/IEC 9594-9:2017/A1

Information technology. Open Systems Interconnection. The Directory. Replication

IST/6

BS ISO 9802

Raw optical glass. Vocabulary

CPW/172

BS ISO 10802

Ductile iron pipelines. Hydrostatic testing after installation

will supersede AMD10802 (CORR TO BS EN 738-2:1999)

PSE/10

BS ISO 10844:2014/A1

Acoustics. Specification of test tracks for measuring noise emitted by road vehicles and their tyres

will supersede BS ISO 10844:2014

EH/1/2

BS ISO 10896-4

Rough-terrain trucks. Safety requirements and verification. Additional requirements for variable-reach trucks handling freely suspended loads

will supersede BS ISO 10896-4:2015

MHE/7

BS ISO 10934

Microscopes. Vocabulary for microscopy

CPW/172

BS ISO 11125-9

Preparation of steel substrates before application of paints and related products. Test methods for metallic blast-cleaning abrasives. Wear testing and performance

STI/21

BS ISO 11638

Resilient floor coverings. Heterogeneous poly(vinyl chloride) flooring on foam. Specification

PRV/60

BS ISO 11684

Tractors, machinery for agriculture, powered lawn and garden equipment. Safety signs and hazard pictorials. General principles

AGE/6

BS ISO 11795:2018/A1

Agricultural tractor drive wheel tyres. Explanation of rolling circumference index (RCI) and speed radius index (SRI) and method of measuring tyre rolling circumference

will supersede BS ISO 11795:2018

AUE/4

BS ISO 14229-2

Road vehicles. Unified diagnostic services (UDS). Session layer services

AUE/16

BS ISO 14229-3

Road vehicles. Unified diagnostic services (UDS). Unified diagnostic services on CAN implementation (UDSonCAN)

AUE/16

BS ISO 14490-10

Optics and photonics. Test methods for telescopic systems. Test methods for axial colour performance

CPW/172

BS ISO 14930:2012/A1

Leather. Leather for dress gloves. Specification will supersede None

TCI/69

BS ISO 15349-2

Unalloyed steel. Determination of low carbon content. Infrared absorption method after combustion in an induction furnace (with preheating)

ISE/102

BS ISO/IEC 15938-16

Information technology. Multimedia content description interface. Part 16. Conformance and reference software for compact descriptors for video analysis

IST/37

BS ISO 16131

Leather. Upholstery leather characteristics. Selection of leather for furniture will supersede BS ISO 16131:2012

TCI/69

BS ISO 16134

Earthquake and subsidence-resistant design of ductile iron pipelines

will supersede BS ISO 16134:2006

PSE/10

BS ISO 16254:2016/A1

Operation. Engineering method will supersede BS ISO 16254:2016

EH/1/2

BS ISO 18193

Cardiovascular implants and artificial organs. Cannulae for cardiopulmonary bypass and short-term extracorporeal circulation

CH/150/2

BS ISO 18283

Hard coal and coke. Manual sampling

PTI/16

BS ISO 18804

Rims for agricultural, forestry and construction machines

will supersede BS ISO 18804:2017

AUE/4

BS ISO 18913

Imaging materials. Permanence. Vocabulary

CPW/42

BS ISO/IEC 19566-4

Information technology. JPEG systems. Privacy, security and IPR features

IST/37

BS ISO 19916-3

Glass in building. Vacuum insulating glass. Test methods for evaluation of performance under temperature differences

B/520

BS ISO/IEC 19989-3

Information technology. Security techniques. Criteria and methodology for security evaluation of biometric systems. Presentation attack detection

IST/33

BS ISO 20795-1

Dentistry. Base polymers. Denture base polymers

will supersede BS EN ISO 20795-1:2013

CH/106/2

BS ISO 20940

Leather. Crust full chrome upper leather. Specification and test methods

TCI/69

BS ISO 21105-2

Performance of buildings. Building enclosure thermal performance verification and commissioning. Building envelope assembly(s)

will supersede None

B/540/8

BS ISO/IEC 21122-4

Information technology. Low-latency lightweight image coding system. Conformance testing

IST/37

BS ISO/IEC 21794-1

Information technology. Plenoptic image coding system (JPEG PLENO). Framework

IST/37

BS ISO 21806-1

Road vehicles. Media Oriented Systems Transport (MOST) framework. General information and document structure definition

AUE/16

BS ISO 21806-2

Road vehicles. Media Oriented Systems Transport (MOST) framework. Application layer

AUE/16

BS ISO 21806-3

Road vehicles. Media Oriented Systems Transport (MOST) framework. Application layer conformance test plan

AUE/16

BS ISO 21806-4

Road vehicles. Media Oriented Systems Transport (MOST) framework. Transport and network layer

AUE/16

BS ISO 21806-5

Road vehicles. Media Oriented Systems Transport (MOST) framework. Transport and network layer conformance test plan

AUE/16

BS ISO 21806-6

Road vehicles. Media Oriented Systems Transport (MOST) framework. Data link layer

AUE/16

BS ISO 21806-7

Road vehicles. Media Oriented Systems Transport (MOST) framework. Data link layer conformance test plan

AUE/16

BS ISO 21806-8

Road vehicles. Media Oriented Systems Transport (MOST) framework. 150 Mbit/s optical physical layer

AUE/16

BS ISO 21806-9

Road vehicles. Media Oriented Systems Transport (MOST) framework. 150 Mbit/s optical physical layer conformance test plan

AUE/16

BS ISO 22040

Life-cycle management of concrete structures

B/517

BS ISO 22634-1

Cigarettes. Determination of benzo[a]pyrene in cigarette mainstream smoke using GC/MS. Method using methanol as extraction solvent

will supersede BS ISO 22634-1:2017

AW/40

BS ISO 22634-2

Cigarettes. Determination of benzo[a]pyrene in cigarette mainstream smoke using GC/MS. Method using cyclohexane as extraction solvent

will supersede BS ISO 22634-2:2017

AW/40

BS ISO 22674

Dentistry. Metallic materials for fixed and removable restorations and appliances

will supersede BS EN ISO 22674:2016

CH/106/2

BS ISO 22762-5

Elastomeric seismic-protection isolators. Sliding seismic-protection isolators for buildings. Titre manque

PRI/70

BS ISO 23056

Water reuse in urban areas. Guidelines for decentralized/onsite water reuse system. Design principle of a decentralized/onsite system

B/505/50

BS ISO 23070

Water Reuse in Urban Areas. Guidelines for reclaimed water treatment. Design principle of a RO desalination system of municipal wastewater

B/505/50

BS ISO 23433

Cardiovascular implants and artificial organs. Cannulae for long-term extracorporeal circulation

CH/150/2

BS ISO 23592

Service Excellence. Principles and model

SVS/0

BS ISO 23594

Sludge recovery, recycling, treatment and disposal. Laboratory chemical conditioning procedure

EH/5

BS ISO 23618

Design Principles of Seismically Isolated structures

will supersede None

B/525/1

BS ISO 23641

Flexible cellular polymeric materials. Determination of antibacterial effectiveness

PRI/24

BS ISO 23660

Handling used condoms returned to manufacturer or research centre

CH/157

BS ISO 23668

Ships and marine technology. Marine environment protection. On board monitoring method of pH for exhaust gas cleaning systems

will supersede None

SME/32

BS ISO 23673

Plastics. Elasticity index. Determination of elastic property of melts

PRI/21

BS ISO 23674

Cosmetics. Analytical methods. Determination of mercury in cosmetics by integrated mercury analytical systems

will supersede None

CW/217

BS ISO 23693

Determination of the resistance to gas explosions of passive fire protection materials. General Requirements

FSH/22/-/14

BS ISO 23698

Cosmetics Sun protection test methods-Measurement of the Sunscreen Efficacy by Diffuse Reflectance Spectroscopy

will supersede None

CW/217

BS ISO 24410

Earth-moving machinery. Coupling of attachments to skid steer loaders

B/513/1

BS ISO/IEC 27035-3

Information technology. Security techniques. Information security incident management. Guidelines for incident response operations

IST/33

BS ISO 31110

Wheeled child conveyances. Pushchairs and prams. Requirements and test methods

CW/1

BS IEC 60335-2-104

Household and similar electrical appliances. Safety. Particular requirements for appliances to recover and/or recycle refrigerant from air conditioning and refrigeration equipment

will supersede None

CPL/61/4

BS IEC 60335-2-107/A1

Household and similar electrical appliances. Safety. Particular requirements for robotic battery powered electrical lawnmowers

CPL/116

BS IEC 60747-5-11

Semiconductor devices. Optoelectronic devices. Light emitting diodes. Test method of radiative and nonradiative currents of light emitting diodes

EPL/47

BS IEC 62859/A1

Nuclear power plants. Instrumentation and control systems. Requirements for coordinating safety and cybersecurity

will supersede BS IEC 62859:2016

NCE/8

BS IEC 62873-3-1/A1

Residual current operated circuit-breakers for household and similar use. Particular requirements for RCDs with screwless-type terminals for external copper conductors

will supersede BS IEC 62873-3-1:2016

PEL/23/1

BS IEC 62873-3-2/A1

Residual current operated circuit-breakers for household and similar use. Particular requirements for RCDs with flatquick-connect terminations

will supersede BS IEC 62873-3-2:2016

PEL/23/1

BS IEC 62873-3-3/A1

Residual current operated circuit-breakers for household and similar use. Specific requirements for RCDs with screw-type terminals for external untreated aluminium conductors and with aluminium

will supersede BS IEC 62873-3-3:2016

PEL/23/1

BS IEC 63234

International Electrotechnical Vocabulary (IEV). Smart city systems

SDS/2

PD CEN/TS WI 00278517

Intelligent transport systems. eSafety. eCall interface between PSAPS and dangerous goods or transport databases

EPL/278

PD CEN/TS WI 00278518

Intelligent transport systems. eSafety. eCall for automated and autonomous vehicles

EPL/278

PD CEN/TS WI 00278519

Intelligent transport systems. eSafety. eCall end to end conformance tests for P2WV, quadricycles and tricycles

EPL/278

PD CEN/TS 15209

Tactile paving surface indicators produced from concrete, clay and stone

will supersede DD CEN/TS 15209:2008

B/507

PD CEN/TS 16794-2

Public transport. Communication between contactless readers and fare media. Test plan for ISO/IEC 14443

EPL/278

**Please
do not send
confirmation
of
orders placed by
telephone
as it can lead to
duplication**

PD CEN/TS 17061

Foodstuffs. Guidelines for the calibration and quantitative determination of pesticide residues and organic contaminants using chromatographic methods

AW/275

PD CEN/TS 17062

Foods of plant origin. Multimethod for the determination of pesticide residues in vegetable oils by LC-MS/MS

AW/275

PD ISO/TR 6892-5

Metallic materials. Tensile testing. Guideline for testing miniaturised test pieces

will supersede None

ISE/101/1

PD ISO/TS 10303-1250

Industrial automation systems and integration. Product data representation and exchange. Application module. Attachment slot

will supersede None

AMT/4

PD ISO/TS 10303-1253

Industrial automation systems and integration. Product data representation and exchange. Application module. Condition

will supersede None

AMT/4

PD ISO/TS 10303-1316

Industrial automation systems and integration. Product data representation and exchange. Application module. Camera view 3D

will supersede None

AMT/4

PD ISO/TS 10303-1473

Industrial automation systems and integration. Product data representation and exchange. Application module. Description assignment

will supersede None

AMT/4

PD ISO/TS 10303-1475

Industrial automation systems and integration. Product data representation and exchange. Application module. Analysis characterized

will supersede None

AMT/4

PD ISO/TS 10303-1488

Industrial automation systems and integration. Product data representation and exchange. Application module. Verification and validation

will supersede None

AMT/4

PD ISO/TS 10303-3001

Industrial automation systems and integration. Product data representation and exchange. Business object model. Managed model based 3d engineering

will supersede None

AMT/4

PD ISO/TS 11819-3:2017/A1

Reference tyres.

will supersede PD ISO/TS 11819-3:2017

EH/1/2

PD ISO/TR 19032

Plastics. Use of polyethylene reference specimens (PERS) for monitoring laboratory and outdoor weathering conditions

will supersede None

PR/21

PD ISO/TR 21394

Health informatics. Whole genome sequence markup language (WGML)

IST/35

PD ISO/TR 23069

Fire safety. Intentional Fires. General information

FSH/21

PD ISO/TR 23254

Intelligent transport systems. Architecture. Use cases and high-level reference architecture for connected, automated vehicles

EPL/278

PD ISO/TR 23260

Sludge recovery, recycling, treatment and disposal. Evaluation of sludge centrifugability

EH/5

PD ISO/TR 23593

Sludge recovery, recycling, treatment and disposal. Protocol for validating methods for physical properties of sludge/biosolids

EH/5

PD ISO/TR 23689

Space environment (natural and artificial). Space weather information for use in space systems operations

ACE/68

PD IEC/TR 61044

Opportunity-charging of lead-acid traction batteries

PEL/21

PD IEC/TR 62362

Selection of optical fibre cable specifications relative to mechanical, ingress, climatic or electromagnetic characteristics. Guidance

will supersede PD IEC/TR 62362:2010

GEL/86/1

PD IEC/TS 62600-4

Marine energy. Wave, tidal and other water current converters. Standard for establishing qualification of new technology

PEL/114

PD IEC/TR 62959-1

Optical fibre cables. Cable shrinkage. Guidance

will supersede None

GEL/86/1

PD IEC/TS 63233

Systems Reference Document (SRD). Smart City Standards Inventory and Mapping

SDS/2

PD IEC/TS 63235

Systems Reference Document (SRD). Smart City System. Methodology for concepts and taxonomies building

SDS/2

PD IEC/TS 63236

In data centers and telecom central offices. 2.6 kW system

will supersede None

PEL/23

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 BSI Draft Review system. All you need to do is register at <http://drafts.bsigroup.com>. This service is free of charge.

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

IMPORTANT NOTICE: The BSI Draft Review system is being replaced by the new Standards Development Portal. If you cannot find the draft you are looking for on the Draft Review system, please try searching for it the Standards Development portal: <https://standardsdevelopment.bsigroup.com/>. The service is free of charge.

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).

18/30369950 DC

BS A 226 AMD1 Specification for steel hexagon head bolts (short thread. Class 3A)

ACE/12

Comments for the above document are required by 30 January, 2019

18/30371951 DC

BS 8606 Adult residential care. Specification

CH/440

Comments for the above document are required by 31 January, 2019

18/30379527 DC

BS 9129 Unmanned aircraft systems (UAS). Registration and identification

ACE/20

Comments for the above document are required by 28 January, 2019

DRAFT BRITISH STANDARDS FOR PUBLIC COMMENT – ADOPTIONS

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<https://standardsdevelopment.bsigroup.com/>. The service is free of charge.

Please note that CENELEC and IEC standards are not included on the BSI Draft Review system at this time, but are available in hard copy format from BSI Customer Services.

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, Head of Committee Service Centre and International Secretariat, BSI Group, 389 Chiswick High Road, London W4 4AL.

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

18/30285083 DC

BS EN 15273-3 Railway applications. Gauges. Infrastructure gauge

£18.00 members, £36.00 non-members

RAE/11-12

Comments for the above document are required by 4 March, 2019

18/30285086 DC

BS EN 15273-4 Railway Applications. Gauges. Catalogue of gauges and associated rules

£18.00 members, £36.00 non-members

RAE/11-12

Comments for the above document are required by 4 March, 2019

18/30285092 DC

BS EN 15273-1 Railway applications. Gauges. Generic explanations and methods of gauging

£18.00 members, £36.00 non-members

RAE/11-12

Comments for the above document are required by 4 March, 2019

18/30285095 DC

BS EN 15273-2 Railway Applications. Gauges. Rolling stock

£18.00 members, £36.00 non-members

RAE/11-12

Comments for the above document are required by 4 March, 2019

18/30323186 DC

BS ISO 10252 Bases for design of structures. Accidental actions

£18.00 members, £36.00 non-members

B/525/1

Comments for the above document are required by 16 January, 2019

18/30327518 DC

BS EN ISO 11551 Optics and photonics. Lasers and laser-related equipment. Test method for absorbance of optical laser components

CPW/172

Comments for the above document are required by 6 January, 2019

18/30332780 DC

BS EN ISO 11117 Gas cylinders. Valve protection caps, guards and shrouds. Design, construction and tests

PVE/3/1

Comments for the above document are required by 8 January, 2019

18/30333653 DC

BS ISO 20814 Nanotechnologies. Testing of the photocatalytic activity of nanoparticles for NADH oxidation

NTI/1

Comments for the above document are required by 6 January, 2019

18/30337234 DC

BS ISO 21062 Corrosion of metals and alloys. Determination of corrosion rates of the embedded steel reinforcement in concrete exposed to the simulated marine environments

ISE/NFE/8

Comments for the above document are required by 6 January, 2019

18/30339795 DC

BS ISO 20138-2 Railway applications. Calculation of braking performance (stopping, slowing and stationary braking). General algorithms utilizing step by step calculation

RAE/4/-1

Comments for the above document are required by 12 January, 2019

18/30340071 DC

BS EN 50305 Railway applications. Railway rolling stock cables having special fire performance. Test methods

GEL/20/12

Comments for the above document are required by 15 January, 2019

18/30340080 DC

BS EN 50306-3 Railway applications. Railway rolling stock cables having special fire performance. Thin wall. Single core and multicore cables screened and thin wall sheathed

GEL/20/12

Comments for the above document are required by 8 January, 2019

18/30340083 DC

BS EN 50306-4 Railway applications. Rolling stock cables having special fire performance. Thin wall. Multicore and multipair sheathed cables

GEL/20/12

Comments for the above document are required by 8 January, 2019

18/30340810 DC

BS ISO 21322 Microbiology. Microbiological testing of impregnated or coated products. Wipes and masks

CW/217

Comments for the above document are required by 6 January, 2019

18/30341474 DC

BS ISO 20391-2 Biotechnology. Cell Counting. Experimental design and statistical analysis to quantify counting method performance

BTI/1

Comments for the above document are required by 8 January, 2019

18/30341551 DC

BS ISO 11783-9 Tractors and machinery for agriculture and forestry. Serial control and communications data network. Tractor ECU

AGE/6

Comments for the above document are required by 19 January, 2019

18/30342442 DC

BS ISO 21384-3 Unmanned aircraft systems. Operational procedures

ACE/20

Comments for the above document are required by 14 January, 2019

18/30344520 DC

BS ISO 21466 Microbeam analysis. Scanning electron microscopy. Method for evaluating critical dimensions by CD-SEM

CII/9

Comments for the above document are required by 23 January, 2019

18/30344568 DC

BS ISO 24917 Space systems. General test requirements for launch vehicles

ACE/68

Comments for the above document are required by 9 January, 2019

18/30347098 DC

BS EN 10216-5 rev Seamless steel tubes for pressure purposes. Technical delivery conditions. Stainless steel tubes

ISE/110

Comments for the above document are required by 14 January, 2019

18/30347379 DC

BS EN IEC 62020-1 Electrical accessories. Residual current monitors for household and similar uses (RCMs)

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PEL/23/1

Comments for the above document are required by 9 January, 2019

18/30349594 DC

BS ISO 21782-6 Electrically propelled road vehicles. Test specification for electric propulsion components. Operating load testing of motor and inverter

PEL/69

Comments for the above document are required by 12 January, 2019

18/30349973 DC

BS EN IEC 61755-2-1 Fibre optic interconnecting devices and passive components. Connector optical interfaces. Connection parameters of non-dispersion shifted single-mode physically contacting fibres. Non-angled

GEL/86/2

Comments for the above document are required by 23 January, 2019

18/30349977 DC

BS EN IEC 61755-2-2 Fibre optic interconnecting devices and passive components. Connector optical interfaces. Connection parameters of non-dispersion shifted single-mode physically contacting fibres. Angled

GEL/86/2

Comments for the above document are required by 23 January, 2019

18/30350412 DC

BS EN IEC 61754-6 Fibre optic interconnecting devices and passive components. Fibre optic connector interfaces. Type MU connector family

GEL/86/2

Comments for the above document are required by 9 January, 2019

18/30350417 DC

BS EN IEC 61754-4 Fibre optic interconnecting devices and passive components. Fibre optic connector interfaces. Type SC connector family

GEL/86/2

Comments for the above document are required by 9 January, 2019

18/30352729 DC

BS EN 80001-1 Ed2.0 Safety, effectiveness and security in the implementation and use of connected medical devices or connected health software. Application of risk management

CH/62/1

Comments for the above document are required by 15 January, 2019

18/30352989 DC

BS ISO 21701 Textiles. Test method for accelerated hydrolysis of textile materials and biodegradation under controlled composting conditions of the resulting hydrolysate

TCI/80

Comments for the above document are required by 20 January, 2019

18/30354646 DC

BS EN ISO 10961 Gas cylinders. Cylinder bundles. Design, manufacture, testing and inspection

PVE/3/7

Comments for the above document are required by 9 January, 2019

18/30355290 DC

BS ISO 4992-1 Steel castings. Ultrasonic testing. Steel castings for general purposes

ISE/111

Comments for the above document are required by 23 January, 2019

18/30355293 DC

BS ISO 4992-2 Steel castings. Ultrasonic testing. Steel castings for highly stressed components

ISE/111

Comments for the above document are required by 23 January, 2019

18/30355678 DC

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

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PEL/13

Comments for the above document are required by 9 January, 2019

18/30355840 DC

BS EN IEC 60384-11 Fixed capacitors for use in electronic equipment. Sectional specification. Fixed polyethylene-terephthalate film dielectric metal foil d.c. capacitors

EPL/40X

Comments for the above document are required by 9 January, 2019

18/30356651 DC

BS EN ISO 11844-1 Corrosion of metals and alloys. Classification of low corrosivity of indoor atmospheres. Determination and estimation of indoor corrosivity

ISE/NFE/8

Comments for the above document are required by 5 January, 2019

18/30356654 DC

BS EN ISO 11844-2 Corrosion of metals and alloys. Classification of low corrosivity of indoor atmospheres. Determination of corrosion attack in indoor atmospheres

ISE/NFE/8

Comments for the above document are required by 5 January, 2019

18/30356657 DC

BS EN ISO 11844-3 Corrosion of metals and alloys. Classification of low corrosivity of indoor atmospheres. Measurement of environmental parameters affecting indoor corrosivity

ISE/NFE/8

Comments for the above document are required by 5 January, 2019

18/30359479 DC

BS ISO 11136:2014 AMD 1 Sensory analysis. Methodology. General guidance for conducting hedonic tests with consumers in a controlled area

AW/12

Comments for the above document are required by 12 January, 2019

18/30359773 DC

BS ISO 21675 Water quality. Determination of polyfluorinated alkyl substances (PFAS) in water. Method using solid phase extraction and liquid chromatography-tandem mass spectrometry (LC-MS/MS)

EH/3/2

Comments for the above document are required by 6 January, 2019

18/30360229 DC

BS EN 17339 Transportable gas cylinders. Fully wrapped composite cylinders and tubes for hydrogen

PVE/3/8

Comments for the above document are required by 21 January, 2019

18/30361537 DC

BS ISO 22426 Assessment of the effectiveness of cathodic protection based on coupon measurements

ISE/NFE/8

Comments for the above document are required by 6 January, 2019

18/30361616 DC

BS ISO 21634 Rubber flaps for automotive vehicles. Technical requirements and test methods

AUE/4

Comments for the above document are required by 22 January, 2019

18/30363160 DC

BS EN IEC 61804-3 Function Blocks (FB) for process control and Electronic Device Description Language (EDDL). EDDL syntax and semantics

£33.00 members, £66.00 non-members

GEL/65/3

Comments for the above document are required by 9 January, 2019

18/30363164 DC

BS EN IEC 61804-4 Function blocks (FB) for process control and electronic device description language (EDDL).
EDD interpretation

£18.00 members, £36.00 non-members

GEL/65/3

Comments for the above document are required by 8 January, 2019

18/30363168 DC

BS EN IEC 61804-5 Function blocks (FB) for process control and electronic device description language (EDDL). EDDL Built in library

£33.00 members, £66.00 non-members

GEL/65/3

Comments for the above document are required by 9 January, 2019

18/30363493 DC

BS EN 62127-1 Ed.2.0 Ultrasonics. Hydrophones. Measurement and characterization of medical ultrasonic fields up to 40 MHz

EPL/87

Comments for the above document are required by 18 January, 2019

18/30364694 DC

BS EN IEC 60296 Fluids for electrotechnical applications. Mineral insulating oils for electrical equipment

GEL/10

Comments for the above document are required by 23 January, 2019

18/30365482 DC

BS ISO 7685 Glass-reinforced thermosetting plastics (GRP) pipes. Determination of initial ring stiffness

PRI/88/2

Comments for the above document are required by 15 January, 2019

18/30367580 DC

BS ISO 22863-1 Fireworks. Test methods for determination of specific chemical substances. General

CI/47

Comments for the above document are required by 14 January, 2019

18/30367583 DC

BS ISO 22863-3 Fireworks. Test methods for determination of specific chemical substances. Lead and lead compounds by atomic absorption

CI/47

Comments for the above document are required by 14 January, 2019

18/30367586 DC

BS ISO 22863-2 Fireworks. Test method of prohibited chemical components for fireworks. Hexachlorobenzene by gas chromatography

CI/47

Comments for the above document are required by 14 January, 2019

18/30368098 DC

BS EN ISO 3071 Textiles. Determination of pH of aqueous extract

TCI/100

Comments for the above document are required by 15 January, 2019

18/30369074 DC

BS EN 14972-9 Fixed firefighting systems. Water mist systems. Test protocol for machinery in enclosures not exceeding 260 m³ for open nozzle systems

FSH/18/5

Comments for the above document are required by 22 January, 2019

18/30369077 DC

BS EN 14972-8 Fixed firefighting systems. Water mist systems. Test protocol for machinery in enclosures exceeding 260 m³ for open nozzle systems

FSH/18/5

Comments for the above document are required by 22 January, 2019

18/30369275 DC

BS EN 13445-11 Unfired pressure vessels. Additional requirements for pressure vessels of titanium and titanium alloys

PVE/1

Comments for the above document are required by 21 January, 2019

18/30369522 DC

BS IEC 61108-5 Maritime navigation and radio communication equipment and systems. Global navigation satellite systems (GNSS). BeiDou satellite navigation system (BDS). Receiver equipment. Performance requirements, methods of testing and required test results

EPL/80

Comments for the above document are required by 1 January, 2019

18/30369901 DC

BS ISO 1018 Hard coal. Determination of moisture-holding capacity

PTI/16

Comments for the above document are required by 13 January, 2019

18/30370017 DC

BS IEC 60910 Nuclear power plants. Instrumentation systems important to safety. Containment monitoring for early detection of developing deviations from normal operation in light water reactors

NCE/8

Comments for the above document are required by 2 January, 2019

18/30370656 DC

BS EN 16867 Building hardware. Mechatronic door furniture. Requirements and test methods

B/538/1

Comments for the above document are required by 1 January, 2019

18/30371067 DC

BS IEC 61803 Determination of power losses in high-voltage direct current (HVDC) converter stations with line-commutated converters

PEL/22

Comments for the above document are required by 1 January, 2019

18/30371174 DC

BS ISO 22947 Cigarettes. Determination of carbon monoxide in the vapour phase of cigarette smoke under intense smoking conditions. NDIR method

AW/40

Comments for the above document are required by 6 January, 2019

18/30371780 DC

BS ISO/IEC 29192-2:2012 AMD 2 Information technology. Security techniques. Lightweight cryptography. Block ciphers

IST/33

Comments for the above document are required by 12 January, 2019

18/30372182 DC

BS EN IEC 61189-2-801 Test methods for electrical materials, printed board and other interconnection structures and assemblies. Thermal conductivity test for base materials

EPL/501

Comments for the above document are required by 2 January, 2019

18/30373433 DC

BS EN ISO 10863 Non-destructive testing of welds. Ultrasonic testing. Use of time-of-flight diffraction technique (TOFD)

WEE/2

Comments for the above document are required by 14 January, 2019

18/30374388 DC

BS ISO 37123 Sustainable cities and communities. Indicators for resilient cities

SDS/2

Comments for the above document are required by 22 January, 2019

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18/30374614 DC

BS ISO 26162-1 Management of terminology resources. Terminology databases. Design

TS/1

Comments for the above document are required by 19 January, 2019

18/30374617 DC

BS ISO 26162-2 Management of terminology resources. Terminology databases. Software

TS/1

Comments for the above document are required by 19 January, 2019

18/30375211 DC

BS IEC 61937-1 Digital audio. Interface for non-linear PCM encoded audio bitstreams applying IEC 60958. General (TA 20)

EPL/100

Comments for the above document are required by 10 January, 2019

18/30375219 DC

BS EN IEC 60335-2-40 AMD1 Household and similar electrical appliances. Safety. Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers (f1)

CPL/61/4

Comments for the above document are required by 1 January, 2019

18/30375434 DC

BS ISO 3631 Citrus fruits. Guidelines for the storage

AW/21

Comments for the above document are required by 21 January, 2019

18/30375493 DC

BS EN 460 Durability of wood and wood-based products. Natural durability of solid wood. Guide to the durability requirements for wood to be used in hazard classes

B/515

Comments for the above document are required by 14 January, 2019

18/30376490 DC

BS EN 17255-2 Stationary source emissions. Data acquisition and handling systems. Specification of requirements on data acquisition and handling systems

EH/2/1

Comments for the above document are required by 22 January, 2019

18/30376775 DC

BS ISO 3529-2 Vacuum technology. Vocabulary. Vacuum pumps and related terms

MCE/8/-/4

Comments for the above document are required by 23 January, 2019

18/30378220 DC

BS EN 13715 Railway applications. Wheelsets and bogies. Wheels. Tread profile

RAE/3/-/1

Comments for the above document are required by 1 January, 2019

18/30378867 DC

BS EN 14344 Child care articles. Child seats for cycles. Safety requirements and test methods

CW/1

Comments for the above document are required by 7 January, 2019

18/30378870 DC

BS EN 17340 Stationary source emissions. Determination of mass concentration of fluorinated compounds expressed as HF. Standard reference method

EH/2/1

Comments for the above document are required by 21 February, 2019

18/30378917 DC

BS EN 55016-1-3 AMD2 Specification for radio disturbance and immunity measuring apparatus and methods. Radio disturbance and immunity measuring apparatus. Ancillary equipment. Disturbance power

GEL/210/11

Comments for the above document are required by 8 January, 2019

18/30379169 DC

BS EN IEC 61189-2-803 Test methods for electrical materials, printed board and other interconnection structures and assemblies. Test methods for Z-Axis Expansion of base materials and printed board

EPL/501

Comments for the above document are required by 2 January, 2019

18/30379173 DC

BS EN 61189-2-804 Test methods for electrical materials, printed board and other interconnection structures and assemblies. Test methods for time to delamination. T260, T288, T300

EPL/501

Comments for the above document are required by 2 January, 2019

18/30379505 DC

BS EN IEC 61169-54 Radio frequency connectors. Sectional specification for coaxial connectors with 10 mm inner diameter of outer conductor, nominal characteristic impedance 50 Ohms, Series 4.3-10

EPL/46

Comments for the above document are required by 23 January, 2019

18/30380349 DC

BS EN ISO 22442-2 Medical devices utilizing animal tissues and their derivatives. Controls on sourcing, collection and handling

CH/194

Comments for the above document are required by 15 January, 2019

18/30380357 DC

BS EN ISO 19225:2017 AMD 1 Underground mining machines. Mobile extracting machines at the face. Safety requirements for shearer loaders and plough systems

MRE/1

Comments for the above document are required by 14 January, 2019

18/30380675 DC

BS EN IEC 62830-7 Semiconductor devices. Semiconductor devices for energy harvesting and generation. Linear sliding mode triboelectric energy harvesting

EPL/47

Comments for the above document are required by 23 January, 2019

18/30380691 DC

BS EN IEC 61249-6-3 Materials for printed boards and other interconnecting structures. Sectional specification set for reinforcement materials. Specification for finished fabric woven from "E" glass for printed boards

EPL/501

Comments for the above document are required by 9 January, 2019

18/30380979 DC

BS EN 12404 Durability of wood and wood-based products. Assessment of the effectiveness of a masonry fungicide to prevent growth into wood of Dry Rot *Serpula lacrymans* (Schumacher ex Fries) S.F. Gray. Laboratory method

B/515

Comments for the above document are required by 22 January, 2019

18/30380982 DC

BS EN 16767 Industrial valves. Metallic check valves

PSE/18

Comments for the above document are required by 22 January, 2019

18/30380997 DC

BS EN 13203-4 Gas-fired domestic appliances producing hot water. Assessment of energy consumption of gas combined heat and power appliances (mCHP) producing hot water and electricity

GSE/29

Comments for the above document are required by 14 January, 2019

18/30381000 DC

BS EN 12640 Intermodal loading units and commercial vehicles. Lashing points for cargo securing. Minimum requirements and testing

TW/1

Comments for the above document are required by 22 January, 2019

18/30381369 DC

BS EN 1090-1 Execution of steel structures and aluminium structures. Assessment and verification of constancy of performance of steel components and aluminium components for structural use

CB/203

Comments for the above document are required by 7 January, 2019

18/30381372 DC

BS EN 927-7 Paints and varnishes. Coating materials and coating systems for exterior wood. Assessment of knot staining resistance of wood coatings

STI/28

Comments for the above document are required by 7 January, 2019

18/30381465 DC

BS IEC 61000-6-8 Electromagnetic compatibility (EMC). Generic standards. Emission standard for equipment in commercial and light-industrial locations

GEL/210/11

Comments for the above document are required by 15 January, 2019

18/30381973 DC

BS EN 14303 AMD1 Thermal insulation products for building equipment and industrial installations. Factory made mineral wool (MW) products. Specification

B/540/8

Comments for the above document are required by 7 January, 2019

18/30381976 DC

BS EN 14304 AMD1 Thermal insulation products for building equipment and industrial installations. Factory made flexible elastomeric foam (FEF) products. Specification

B/540/8

Comments for the above document are required by 7 January, 2019

18/30381979 DC

BS EN 14308 AMD1 Thermal insulation products for building equipment and industrial installations. Factory made rigid polyurethane foam (PUR) and polyisocyanurate foam (PIR) products. Specification

B/540/8

Comments for the above document are required by 7 January, 2019

18/30381982 DC

BS EN 14305 AMD1 Thermal insulation products for building equipment and industrial installations. Factory made cellular glass (CG) products. Specification

B/540/8

Comments for the above document are required by 7 January, 2019

18/30381985 DC

BS EN 14307 AMD1 Thermal insulation products for building equipment and industrial installations. Factory made extruded polystyrene foam (XPS) products. Specification

B/540/8

Comments for the above document are required by 7 January, 2019

18/30381988 DC

BS EN 14306 AMD1 Thermal insulation products for building equipment and industrial installations. Factory made calcium silicate (CS) products. Specification

B/540/8

Comments for the above document are required by 7 January, 2019

18/30381991 DC

BS EN 14314 AMD1 Thermal insulation products for building equipment and industrial installations. Factory made phenolic foam (PF) products. Specification

B/540/8

Comments for the above document are required by 7 January, 2019

18/30381994 DC

BS EN 14313 AMD1 Thermal insulation products for building equipment and industrial installations. Factory made polyethylene foam (PEF) products. Specification

B/540/8

Comments for the above document are required by 7 January, 2019

18/30381997 DC

BS EN 15501 AMD1 Thermal insulation products for building equipment and industrial installations. Factory made expanded perlite (EP) and exfoliated vermiculite (EV) products. Specification

B/540/8

Comments for the above document are required by 7 January, 2019

18/30382000 DC

BS EN 14309 AMD1 Thermal insulation products for building equipment and industrial installations. Factory made products of expanded polystyrene (EPS). Specification

B/540/8

Comments for the above document are required by 7 January, 2019

18/30382003 DC

BS EN 17321 Intermodal loading units and commercial vehicles. Transport stability of packages. Minimum requirements and tests

TW/1

Comments for the above document are required by 1 January, 2019

18/30382022 DC

BS EN 1749 European standard for the classification of gas appliances according to the method of supplying combustion air and of evacuation of the combustion products (types)

GSE/26

Comments for the above document are required by 7 January, 2019

18/30382025 DC

BS EN 13230-4:2016 AMD 1 Railway applications. Track. Concrete sleepers and bearers. Prestressed bearers for switches and crossings

RAE/2/-/10

Comments for the above document are required by 22 January, 2019

18/30382028 DC

BS EN 16704-1 AMD1 Railway applications. Track. Safety protection on the track during work. Railway risks and common principles for protection of fixed and mobile work sites

RAE/2

Comments for the above document are required by 22 January, 2019

18/30382031 DC

BS EN 16704-3 AMD1 Railway applications. Track. Safety protection on the track during work. Competences for personnel related to work on or near tracks

RAE/2

Comments for the above document are required by 22 January, 2019

18/30382034 DC

BS EN 12896-4 Public transport. Reference data model. Operations monitoring and control

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EPL/278

Comments for the above document are required by 14 January, 2019

18/30382037 DC

BS EN 12896-5 Public transport. Reference data model. Fare management

£33.00 members, £66.00 non-members

EPL/278

Comments for the above document are required by 14 January, 2019

18/30382040 DC

BS EN 12896-6 Public transport. Reference data model. Passenger information

£18.00 members, £36.00 non-members

EPL/278

Comments for the above document are required by 14 January, 2019

18/30382043 DC

BS EN 12896-7 Public transport. Reference data model. Driver management

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EPL/278

Comments for the above document are required by 22 January, 2019

18/30382046 DC

BS EN 12896-8 Public transport. Reference data model. Management information & statistics

EPL/278

Comments for the above document are required by 14 January, 2019

18/30382049 DC

BS EN 17322 Environmental Solid Matrices. Determination of polychlorinated biphenyls (PCB) by gas chromatography-mass selective detection (GC-MS) or electron-capture detection (GC-ECD)

EH/4

Comments for the above document are required by 7 January, 2019

18/30382575 DC

BS ISO/IEC 23681 Information technology. Self-contained Information Retention Format (SIRF) Specification

ISTI-/99

Comments for the above document are required by 9 January, 2019

18/30382990 DC

BS EN 50980-1 Remote alcohol monitoring devices. Test methods and performance requirements. Instruments for assessment programmes

AUE/16

Comments for the above document are required by 8 January, 2019

18/30383469 DC

BS EN 61097-6 AMD2 Global maritime distress and safety system (GMDSS). Narrowband direct-printing telegraph equipment for the reception of navigational and meteorological warnings and urgent information to ships (NAVTEX)

EPL/80

Comments for the above document are required by 2 January, 2019

18/30383525 DC

BS ISO 21029-1 AMD1 Cryogenic vessels. Transportable vacuum insulated vessels of not more than 1 000 litres volume. Design, fabrication, inspection and tests

PVE/18

Comments for the above document are required by 9 January, 2019

18/30383719 DC

BS ISO/IEC 19516 Information technology. Object management group. Interface definition language (IDL) 4.2

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ISTI-/99

Comments for the above document are required by 22 January, 2019

18/30383779 DC

BS ISO/IEC 23736-1 Information technology. Digital publishing. EPUB 3.0.1. Overview

ISTI-/99

Comments for the above document are required by 22 January, 2019

18/30383785 DC

BS ISO/IEC 23736-3 Information technology. Digital publishing. EPUB 3.0.1. Content documents

ISTI-/99

Comments for the above document are required by 22 January, 2019

18/30383788 DC

BS ISO/IEC 23736-4 Information technology. Digital publishing. EPUB 3.0.1. Open container format

ISTI-/99

Comments for the above document are required by 22 January, 2019

18/30383791 DC

BS ISO/IEC 23736-5 Information technology. Digital publishing. EPUB 3.0.1. Media overlay

ISTI-/99

Comments for the above document are required by 22 January, 2019

18/30383794 DC

BS ISO/IEC 23736-6 Information technology. Digital publishing. EPUB 3.0.1. Canonical fragment identifier

ISTI-/99

Comments for the above document are required by 22 January, 2019

18/30383935 DC

BS EN IEC 62047-37 Semiconductor devices. Micro-electromechanical devices. Environmental test methods of MEMS piezoelectric thin films for sensor application

EPL/47

Comments for the above document are required by 23 January, 2019

18/30383949 DC

BS EN 62680-1-5 Ed.1.0 Universal serial bus interfaces for data and power. Common components. USB Audio 3.0 Device Class Definition

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EPL/100

Comments for the above document are required by 15 January, 2019

18/30383953 DC

BS EN 62680-1-6 Ed.1.0 Universal serial bus interfaces for data and power. Common components. USB Audio 3.0 Device Class Definition Basic Functions

EPL/100

Comments for the above document are required by 15 January, 2019

18/30383957 DC

BS EN 62680-1-7 Universal serial bus interfaces for data and power. Common components. USB Audio 3.0 Device Class Definition Data Formats

EPL/100

Comments for the above document are required by 15 January, 2019

18/30383961 DC

BS EN 62680-1-8 Ed.1.0 Universal serial bus interfaces for data and power. Common components. USB Audio 3.0 Device Class Definition Terminal Types

EPL/100

Comments for the above document are required by 15 January, 2019

18/30384670 DC

BS IEC 63219 Definition and verification of hearing aid features

EPL/29

Comments for the above document are required by 9 January, 2019

18/30386063 DC

BS EN 62153-4-15 Ed.2.0 Metallic communication cable test methods. Electromagnetic compatibility (EMC). Test method for measuring transfer impedance and screening attenuation. Or coupling attenuation with triaxial cell

EPL/46

Comments for the above document are required by 14 January, 2019

18/30386067 DC

BS IEC 62153-4-10 Amd 1 Ed 2 Metallic communication cable test methods. Electromagnetic compatibility (EMC). Transfer impedance and screening attenuation of feed-throughs and electromagnetic gaskets. Double coaxial test method

EPL/46

Comments for the above document are required by 15 January, 2019

18/30386071 DC

BS IEC 62153-4-9 AMD1 Metallic communication cable test methods. Electromagnetic compatibility (EMC). Coupling attenuation of screened balanced cables, triaxial method

EPL/46

Comments for the above document are required by 15 January, 2019

18/30386075 DC

BS EN IEC 62619 Secondary cells and batteries containing alkaline or other non-acid electrolytes. Safety requirements for secondary lithium cells and batteries, for use in industrial applications

PEL/21/1

Comments for the above document are required by 9 January, 2019

18/30386509 DC

BS EN 6057 Aerospace series. Rod-ends, with bearing per EN 4265 in corrosion resisting steel, internal threaded shank. Dimensions and loads. Inch series

ACE/12

Comments for the above document are required by 1 January, 2019

18/30386581 DC

BS EN 60545 Ed.2.0 Guideline for commissioning and operation of hydraulic turbines, pump-turbines and storage pumps

MCE/15

Comments for the above document are required by 1 January, 2019

18/30386585 DC

BS EN IEC 61977 Fibre optic interconnecting devices and passive components. Fibre optic fixed filters. Generic specification

GEL/86/2

Comments for the above document are required by 2 January, 2019

18/30386589 DC

BS EN IEC 61753-061-2 Fibre optic interconnecting devices and passive components. Performance standard. Single-mode fibre optic pigtailed style polarization independent isolators for category C. Controlled environments

GEL/86/2

Comments for the above document are required by 2 January, 2019

18/30386841 DC

BS EN 6104 Aerospace series. Rivets, solid, in aluminium or aluminium alloy. Inch series. Technical Specification

ACE/12

Comments for the above document are required by 9 January, 2019

18/30386940 DC

BS EN 3434 Aerospace series. Nuts, hexagon, slotted / castellated, self-locking, in steel, cadmium plated, MoS2 lubricated. Classification. 900 MPa (at ambient temperature) / 235°C

ACE/12

Comments for the above document are required by 7 February, 2019

18/30386946 DC

BS EN 6052 Aerospace series. Rivet. Collar. System, aluminium alloy, shear type, inch series. Technical Specification

ACE/12

Comments for the above document are required by 7 January, 2019

18/30387381 DC

BS EN 61290-1-1 Ed.4.0 Optical amplifiers. Test methods. Power and gain parameters. Optical spectrum analyzer method

GEL/86/3

Comments for the above document are required by 14 January, 2019

18/30387393 DC

BS EN IEC 60034-5 Rotating electrical machines. Degrees of protection provided by the integral design of rotating electrical machines (IP code). Classification

PEL/2

Comments for the above document are required by 9 January, 2019

18/30387397 DC

BS EN 60034-7 Ed.3.0 Rotating electrical machines. Classification of types of construction, mounting arrangements and terminal box position (IM Code)

PEL/2

Comments for the above document are required by 15 January, 2019

18/30387405 DC

BS EN 61326-2-1 Ed.3.0 Electrical equipment for measurement, control and laboratory use. EMC requirements. Particular requirements. Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications

GEL/65

Comments for the above document are required by 15 January, 2019

18/30387409 DC

BS EN 61326-2-2 Electrical equipment for measurement, control and laboratory use. EMC requirements. Particular requirements. Test configurations, operational conditions and performance criteria for portable test, measuring and monitoring equipment used in low-voltage distribution systems

GEL/65

Comments for the above document are required by 15 January, 2019

18/30387413 DC

BS EN 61326-2-3 Ed.3.0 Electrical equipment for measurement, control and laboratory use. EMC requirements. Particular requirements. Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning

GEL/65

Comments for the above document are required by 15 January, 2019

18/30387417 DC

BS EN 61326-2-4 Electrical equipment for measurement, control and laboratory use. EMC requirements. Particular requirements. Test configurations, operational conditions and performance criteria for insulation monitoring devices according to IEC 61557-8 and for equipment for insulation fault location according to IEC 61557-9

GEL/65

Comments for the above document are required by 15 January, 2019

18/30387421 DC

BS EN 61326-2-5 Electrical equipment for measurement, control and laboratory use. EMC requirements. Particular requirements. Test configurations, operational conditions and performance criteria for field devices with field bus interfaces according to IEC 61784-1

GEL/65

Comments for the above document are required by 15 January, 2019

18/30387667 DC

BS EN 63115-2 Ed.1.0 Secondary cells and batteries containing alkaline or other non-acid electrolytes. Sealed nickel-metal hydride rechargeable cells and modules for use in industrial applications. Safety

PEL/21/1

Comments for the above document are required by 12 December, 2018

18/30387669 DC

BS IEC 63048 Mobile remotely controlled systems for nuclear and radiological applications. General requirements

NCE/2

Comments for the above document are required by 8 January, 2019

18/30387901 DC

BS EN IEC 62148-6 Fibre optic active components and devices. Package and interface standards. ATM-PON transceivers

GEL/86/3

Comments for the above document are required by 15 January, 2019

18/30387905 DC

BS EN 61300-3-35 Ed.3.0 Fibre optic interconnecting devices and passive components. Basic test and measurement procedures. Examinations and measurements. Visual inspection of fibre optic connectors and fibre-stub transceivers

GEL/86/2

Comments for the above document are required by 23 January, 2019

18/30387971 DC

BS EN IEC 61326-1 Electrical equipment for measurement, control and laboratory use. EMC requirements. General requirements

GEL/65

Comments for the above document are required by 15 January, 2019

18/30387972 DC

BS EN IEC 61326-2-6 Electrical equipment for measurement, control and laboratory use. EMC requirements. Particular requirements. In vitro diagnostic (IVD) medical equipment

GEL/65

Comments for the above document are required by 15 January, 2019

18/30387973 DC

BS EN IEC 61280-4-5 Fibre-optic communication subsystem test procedures. Installed cabling plant. Attenuation measurement of MPO terminated fibre optic cabling plant using test equipment with MPO interfaces

GEL/86/3

Comments for the above document are required by 15 January, 2019

18/30387974 DC

BS EN IEC 62149-11 Fibre optic active components and devices. Performance standards. Multiple channel transmitter/receiver chip scale package with multimode fibre interface

GEL/86/3

Comments for the above document are required by 15 January, 2019

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18/30388393 DC

BS ENISO 20028-1 Plastics. Thermoplastic polyester (TP) moulding and extrusion materials. Designation system and basis for specifications

PR1/82

Comments for the above document are required by 19 January, 2019

18/30388396 DC

BS EN 61869-220 Ed.1.0 Instrument transformers. Safety requirements for Instrument Transformers for low voltage applications

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PEL/38

Comments for the above document are required by 22 January, 2019

18/30388398 DC

BS EN 62149-3 Ed.3.0 Fibre optic active components and devices. Performance standards. Modulator-integrated laser diode transmitters for 40-Gbit/s fibre optic transmission systems

GEL/86/3

Comments for the above document are required by 22 January, 2019

18/30388399 DC

BS EN 62314 Solid-state relays

EPL/94

Comments for the above document are required by 1 January, 2019

18/30388400 DC

BS EN 61000-6-3 ED 2.0 AMD 2 Electromagnetic compatibility (EMC). Generic standards. Emission standard for equipment in residential locations

GEL/210/11

Comments for the above document are required by 22 January, 2019

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 81-77:2018

Safety rules for the construction and installations of lifts. Particular applications for passenger and goods passenger lifts. Lifts subject to seismic conditions

MHE/4

EN 358:2018

Personal protective equipment for work positioning and prevention of falls from a height. Belts and lanyards for work positioning or restraint

PH/5

EN 384:2016+A1:2018

Structural timber. Determination of characteristic values of mechanical properties and density

B/518

EN 437:2018

Test gases. Test pressures. Appliance categories

GSE/26

EN 438-8:2018

High-pressure decorative laminates (HPL). Sheets based on thermosetting resins (usually called laminates). Classification and specifications for design laminates

PR1/76

EN 646:2018

Paper and board intended to come into contact with foodstuffs. Determination of colour fastness of dyed paper and board

CW/47/3

EN 648:2018

Paper and board intended to come into contact with foodstuffs. Determination of the fastness of fluorescent whitened paper and board

CW/47/3

EN 1011-3:2018

Welding. Recommendations for welding of metallic materials. Arc welding of stainless steels

WEE/36

EN 1022:2018

Furniture. Seating. Determination of stability

FW/0/2

EN 1335-2:2018

Office furniture. Office work chair. Safety requirements

FW/0/3

EN 1434-1:2015+A1:2018

Thermal energy meters. General requirements

CPI/30

EN 1434-2:2015+A1:2018

Thermal energy meters. Constructional requirements

CPI/30

EN 1434-4:2015+A1:2018

Thermal energy meters. Pattern approval tests

CPI/30

EN 1647:2018

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

B/511

EN 2379:2018

Aerospace series. Fluids for assessment of non-metallic materials

ACE/65

EN 2709:2018

Aerospace series. Aluminium alloy 2024-. T3510. Bars and sections. 1,2 mm = (a or D) = 150 mm. With peripheral coarse grain control

ACE/61/-/24

EN 2716:2018

Aerospace series. Test method Determination of susceptibility to intergranular corrosion.

Wrought aluminium alloy products AL-P2XXX, series, AL-P7XXX. Series and aluminium-lithium alloys

ACE/61/-/24

EN 2726:2018

Aerospace series. Aluminium alloy AL-C42201. T6. Sand castings. a = 20 mm

ACE/61/-/24

EN 2728:2018

Aerospace series. Aluminium alloy AL-C42101. T6. Sand casting. a = 20 mm

ACE/61/-/24

EN 2813:2018

Aerospace series. Aluminium alloy AL-P-6061. T6. Drawn tube for pressure applications. 0,6 mm = a = 12,5 mm

ACE/61/-/24

EN 3315:2018

Aerospace series. Titanium alloy TI-P64001. Solution treated and aged. Forgings. De ≤ 75 mm

ACE/61/-/49

EN 3660-003:2018

Aerospace series. Cable outlet accessories for circular and rectangular electrical and optical connectors. Grommet nut, style A. Product standard

ACE/6

EN 3745-411:2018

Aerospace series. Fibres and cables, optical, aircraft use. Test methods. Resistance to fluids

ACE/6

EN 3745-506:2018

Aerospace series. Fibres and cables, optical, aircraft use. Test methods. Impact resistance

ACE/6

EN 4611-004:2018

Aerospace series. Cables, electrical, for general purpose, single and multicore assembly. XLETFE Family. Tin plated copper. Operating temperatures, between 65 °C and 135 °C. Dual extruded wall for open applications. UV laser printable. Product standard

ACE/6



Helpful Tips for Solving Geotechnical Problems

The principles regarding the geotechnical aspects of designing structures are among the most complex of the Eurocodes. To support you in the application of the code, we've created a worked example for Eurocode 7.



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EN ISO 4623-1:2018

Paints and varnishes. Determination of resistance to filiform corrosion. Steel substrates
STI/10
(ISO 4623-1:2018)

EN 4641-106:2018

Aerospace series. Cables, optical, 125 µm diameter cladding. Semi-loose structure 62,5/125 µm GI fibre nominal 0,9 mm outside diameter. Product standard
ACE/6

EN 4641-200:2018

Aerospace series. Cables, optical, 125 µm diameter cladding. Semi-loose structure 9/125 µm GI fibre nominal 0,9 mm outside diameter. Product standard
ACE/6

EN 4641-201:2018

Aerospace series. Cables, optical, 125 µm diameter cladding. Semi-loose structure 9/125 µm SM fibre nominal 1,8 mm outside diameter. Product standard
ACE/6

EN 4641-202:2018

Aerospace series. Cables, optical, 125 µm diameter cladding. Semi-loose, ruggedized simplex construction 9/125 µm SM fibre nominal 2,74 mm outside diameter. Product standard
ACE/6

EN 4726:2018

Aerospace series. Acceptance parameters of aesthetical variations for all visible equipment installed in aircraft cabins under all contractual variations
ACE/1

EN 4730:2018

Aerospace series. Anthropometric dimensioning of aircraft seats
ACE/1

EN ISO 4869-1:2018

Acoustics. Hearing protectors. Subjective method for the measurement of sound attenuation
EH/1/1
(EN ISO 4869-1:2018 (ISO 4869-1:2018))

EN ISO 4869-2:2018

Acoustics. Hearing protectors. Estimation of effective A-weighted sound pressure levels when hearing protectors are worn
EH/1/1
(EN ISO 4869-2:2018 (ISO 4869-2:2018))

EN ISO 4945:2018

Steel. Determination of nitrogen. Spectrophotometric method
ISE/102
(EN ISO 4945:2018 (ISO 4945:2018))

EN ISO 6974-3:2018

Natural gas. Determination of composition and associated uncertainty by gas chromatography. Precision and bias
PTI/15
(EN ISO 6974-3:2018 (ISO 6974-3:2018))

EN ISO 7405:2018

Dentistry. Evaluation of biocompatibility of medical devices used in dentistry
CH/106
(ISO 7405:2018)

EN ISO 11148-13:2018

Hand-held non-electric power tools. Safety requirements. Fastener driving tools
MCE/8/-/2
(EN ISO 11148-13:2018 (ISO 11148-13:2017))

EN ISO 11961:2018

Petroleum and natural gas industries. Steel drill pipe
PSE/17/-/5
(EN ISO 11961:2018 (ISO 11961:2018))

EN ISO 12156-1:2018

Diesel fuel. Assessment of lubricity using the high-frequency reciprocating rig (HFRR). Test method
MCE/22
(EN ISO 12156-1:2018 (ISO 12156-1:2018))

EN 12498:2018

Paper and board. Paper and board intended to come into contact with foodstuffs. Determination of cadmium, chromium and lead in an aqueous extract
CW/47/3

EN 13136:2013+A1:2018

Refrigerating systems and heat pumps. Pressure relief devices and their associated piping. Methods for calculation
RHE/18

EN 13144:2018

Metallic and other inorganic coatings. Method for quantitative measurement of adhesion by tensile test
STI/33

EN 13445-6:2014/A2:2018

Unfired pressure vessels. Requirements for the design and fabrication of pressure vessels and pressure parts constructed from spheroidal graphite cast iron
PVE/1

EN 13832-2:2018

Footwear protecting against chemicals. Requirements for limited contact with chemicals
PH/1

EN 13832-3:2018

Footwear protecting against chemicals. Requirements for prolonged contact with chemicals
PH/1

EN 14516:2015+A1:2018

Baths for domestic purposes
B/503

EN 14527:2016+A1:2018

Shower trays for domestic purposes
B/503

EN 14531-1:2015+A1:2018

Railway applications. Methods for calculation of stopping and slowing distances and immobilization braking. General algorithms utilizing mean value calculation for train sets or single vehicles
RAE/4/-/1

EN 14885:2018

Chemical disinfectants and antiseptics. Application of European Standards for chemical disinfectants and antiseptics
CH/216

EN 15426:2018

Candles. Specification for sooting behaviour
I/-/1

EN 16602-70-39:2018

Space product assurance. Welding of metallic materials for flight hardware
ACE/68

EN 16602-80:2018

Space product assurance. Software product assurance
ACE/68

EN 16603-10-02:2018

Space engineering. Verification
ACE/68

EN 16709:2015+A1:2018

Automotive fuels. High FAME diesel fuel (B20 and B30). Requirements and test methods
PTI/2

EN 16734:2016+A1:2018

Automotive fuels. Automotive B10 diesel fuel. Requirements and test methods
PTI/2

EN 16842-6:2018

Powered industrial trucks. Visibility. Test methods and verification. Sit-on counterbalance trucks and rough terrain masted trucks greater than 10 000 kg capacity
MHE/7

EN 16842-7:2018

Powered industrial trucks. Visibility. Test methods and verification. Variable-reach and masted container trucks handling freight containers of 6 m (20 ft) length and longer
MHE/7



BS ISO 30401:2018 Knowledge management systems. Requirements is available now

The world's first international knowledge management standard is now here. The document sets requirements whilst providing guidelines for establishing, implementing, maintaining, reviewing and improving an effective management system for knowledge management in organizations.



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EN 16966:2018

Workplace exposure. Measurement of exposure by inhalation of nano-objects and their aggregates and agglomerates. Metrics to be used such as number concentration, surface area concentration and mass concentration

EH/2/2

EN 17022:2018

Child care articles. Bathing aids. Safety requirements and test methods

CW/1

EN 17058:2018

Workplace exposure. Assessment of exposure by inhalation of nano-objects and their aggregates and agglomerates

EH/2/2

EN 17096:2018

Geosynthetics. Test method for the determination of the strain hardening modulus of PE-HD geosynthetic barriers

B/553

EN 17114:2018

Conservation of cultural heritage. Surface protection for porous inorganic materials. Technical and chemical data sheets of water repellent product

B/560

EN 17117-1:2018

Rubber or plastics-coated fabrics. Mechanical test methods under biaxial stress states. Tensile stiffness properties

TCI/24

EN 17126:2018

Chemical disinfectants and antiseptics. Quantitative suspension test for the evaluation of sporicidal activity of chemical disinfectants in the medical area. Test method and requirements (phase 2, step 1)

CH/216

EN 17129:2018

Continuous-fibre-reinforced plastic composites. Pultruded unidirectional rods. Determination of tensile properties in parallel to the fibre direction

PRI/21

EN 17137:2018

Textiles. Determination of the content of compounds based on chlorobenzenes and chlorotoluenes

TCI/80

EN ISO 17279-2:2018

Welding. Micro joining of 2nd generation high temperature superconductors. Qualification for welding and testing personnel

WEE/-1

EN ISO 17279-2:2018 (ISO 17279-2:2018)

EN ISO 17640:2018

Non-destructive testing of welds. Ultrasonic testing. Techniques, testing levels, and assessment

WEE/46

(ISO 17640:2018)

EN ISO 17782:2018

Petroleum, petrochemical and natural gas industries. Scheme for conformity assessment of manufacturers of special materials

PSE/17

(ISO 17782:2018)

EN ISO 20753:2018

Plastics. Test specimens

PRI/21

(ISO 20753:2018)

EN ISO 20815:2018

Petroleum, petrochemical and natural gas industries. Production assurance and reliability management

PSE/17

EN ISO 20815:2018 (ISO 20815:2018)

EN ISO 23161:2018

Soil quality. Determination of selected organotin compounds. Gas-chromatographic method

EH/4

EN ISO 23161:2018 (ISO 23161:2018)

EN ISO 23702-1:2018

Leather. Organic fluorine. Determination of non-volatile compounds by extraction method using liquid chromatography/tandem mass spectrometry detector(LC-MS/MS)

TCI/69

EN ISO 23702-1:2018 (ISO 23702-1:2018)

EN ISO 32100:2018

Rubber or plastics-coated fabrics. Physical and mechanical tests. Determination of flex resistance by the flexometer method

TCI/24

EN ISO 32100:2018 (ISO 32100:2018)

EN ISO 80369-1:2018

Small-bore connectors for liquids and gases in healthcare applications. General requirements

CH/210/5

EN ISO 80369-1:2018 (ISO 80369-1:2018)

CEN REPORTS

CEN/TR 10364:2018

Steels and cast irons. Determination of substances listed in the directives 2011/65/EU (RoHS) and 2000/53/EC (ELV). Limitations

ISE/102

CEN/TR 14560:2018

Guidance for selection, use, care and maintenance of protective clothing against heat and flame

PH/3/2

CEN/TR 15897:2018

Submerged Membrane Bioreactor (MBR) technology

B/505

CEN/TR 17292:2018

Technical report regarding precision data for standards EN 12720, EN 12721, EN 12722, EN 15185 and EN 15186

FW/0/1

CEN/TR 17296:2018

Chemical disinfectants and antiseptics. Differentiation of active and non-active substances

CH/216

CEN/TR 17304:2018

Construction products. Assessment of release of dangerous substances. Determination of emissions into indoor air of ammonia from cellulose insulation at 90 % RH

B/557

CEN TECHNICAL SPECIFICATIONS

CEN/TS 17234:2018

Intelligent transport systems. eSafety. eCall: Tests to enable PSAPs to demonstrate conformance and performance

EPL/278

CEN/TS 17249-3:2018

Intelligent transport systems. eSafety. eCall for Coaches and buses

EPL/278

CEN ISO/TS 25108:2018

Non-destructive testing. NDT personnel training organizations

WEE/46

CEN ISO/TS 25108:2018 (ISO/TS 25108:2018)

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 60332-3-10:2018/COR1:2018

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

(IEC 60332-3-10:2018/COR1:2018)

EN IEC 60358-4:2018

Coupling capacitors and capacitor dividers. DC and AC single-phase capacitor dividers

PEL/33

EN IEC 60358-4:2018 (IEC 60358-4:2018)

EN IEC 60512-1:2018

Connectors for electrical and electronic equipment. Tests and measurements. Generic specification

EPL/48

EN IEC 60512-1:2018 (IEC 60512-1:2018)

EN IEC 60974-14:2018

Arc welding equipment. Calibration, validation and consistency testing

WEE/6

EN IEC 60974-14:2018 (IEC 60974-14:2018)

EN IEC 61326-3-2:2018

Electrical equipment for measurement, control and laboratory use. EMC requirements. Immunity requirements for safety-related systems and for equipment intended to perform safety-related functions (functional safety). Industrial applications with specified electromagnetic environment

GEL/65/1

(IEC 61326-3-2:2017)

EN IEC 61375-2-6:2018

Electronic railway equipment. Train communication network (TCN). On-board to ground communication

GEL/9/-/4

(IEC 61375-2-6:2018)

EN IEC 62881:2018

Cause and Effect Matrix

GEL/65

EN IEC 62881:2018 (IEC 62881:2018)

EN IEC 62961:2018

Insulating liquids. Test methods for the determination of interfacial tension of insulating liquids. Determination with the ring method

GEL/10

EN IEC 62961:2018 (IEC 62961:2018)

EN 50068:2018

High-Voltage Switchgear and Controlgear. Gas-filled wrought steel enclosures

PEL/17

EN 50129:2018

Railway applications. Communication, signalling and processing systems. Safety related electronic systems for signalling

GEL/9/1

EN 50342-1:2015/A1:2018

Lead-acid starter batteries. General requirements and methods of test

PEL/21

EN 50342-6:2015/A1:2018

Lead-acid starter batteries. Batteries for Micro-Cycle Applications

PEL/21

EN 50597:2018

Energy consumption of vending machines

CPL/59

EN 60669-1:2018/COR1:2018

Switches for household and similar fixed electrical installations. General requirements

PEL/23

EN 61167:2018/A1:2018

Metal halide lamps. Performance specification

CPL/34/1

(IEC 61167:2018/A1:2018)

HARMONIZATION DOCUMENTS

HD 60364-8-2:2018

Low-voltage electrical installations. Prosumer's low-voltage electrical installations

JPEL/64

(IEC 60364-8-2:2018)

IEC PUBLICATIONS

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The following IEC publications are available from BSI Customer Services (see 'How to order' on page 2).

IEC 60095-1:2018

Lead-acid starter batteries. General requirements and methods of test

£122.40 members, £136.00 non-members

PEL/21

IEC 60335-2-8:2012/AMD2:2018

Household and similar electrical appliances. Safety. Particular requirements for shavers, hair clippers and similar appliances

£14.40 members, £16.00 non-members

CPL/61/1

IEC 60335-2-76:2018/COR1:2018

Household and similar electrical appliances. Safety. Particular requirements for electric fence energizers

CPL/61/1

IEC 60404-6:2018/COR1:2018

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 60404-9:2018

Magnetic materials. Methods of determination of the geometrical characteristics of electrical steel strip and sheet

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ISE/108

IEC 60404-16:2018/COR1:2018

Magnetic materials. Methods of measurement of the magnetic properties of Fe-based amorphous strip by means of a single sheet tester

ISE/108

IEC 60665:2018

A.C. ventilating fans and regulators for household and similar purposes. Methods for measuring performance

£72.00 members, £80.00 non-members

CPL/59

IEC 60721-3-2:2018/COR1:2018

Classification of environmental conditions. Classification of groups of environmental parameters and their severities. Transportation and Handling

GEL/104

IEC 60793-1-32:2018

Optical fibres. Measurement methods and test procedures. Coating strippability

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GEL/86/1

IEC 60869-1:2018

Fibre optic interconnecting devices and passive components. Fibre optic passive power control devices. Generic specification

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IEC 60964:2018

Nuclear power plants. Control rooms. Design

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IEC 61058-2-6:2018

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PEL/23

IEC TS 61200-101:2018

Electrical installation guide. Application guidelines on extra-low-voltage direct current electrical installations not intended to be connected to a public distribution network

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JPEL/64

IEC TR 61340-5-5:2018

Electrostatics. Protection of electronic devices from electrostatic phenomena Packaging systems used in electronic manufacturing

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GEL/101

IEC 61970-453:2014/AMD1:2018

Energy management system application program interface (EMS-API). Diagram layout profile

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PEL/57

IEC TS 61994-4-1:2018

Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection. Glossary. Piezoelectric materials. Synthetic quartz crystal
£28.80 members, £32.00 non-members

EPL/49

IEC TS 61994-4-4:2018

Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection. Glossary. Piezoelectric materials. Single crystal wafers for surface acoustic wave (SAW) devices

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EPL/49

IEC 62351-4:2018

Power systems management and associated information exchange. Data and communications security. Profiles including MMS and derivatives

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PEL/57

IEC 62474:2018

Material declaration for products of and for the electrotechnical industry

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IEC 62746-10-1:2018

Systems interface between customer energy management system and the power management system. Open automated demand response

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L/13

IEC 62899-201:2016/AMD1:2018

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AMT/9

IEC 62908-12-10:2017/COR1:2018

Touch and interactive displays. Measurement methods of touch displays. Touch and electrical performance

EPL/47

IEC TS 62939-2:2018

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L/13

IEC TR 62977-2-4:2018

Electronic displays. Transparent displays. Overview of application scenarios

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Integrated circuits. Three dimensional integrated circuits. Terminology

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IEC 63011-2:2018

Integrated circuits. Three dimensional integrated circuits. Alignment of stacked dies having fine pitch interconnect

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EPL/47

IEC 63011-3:2018

Integrated circuits. Three dimensional integrated circuits. Model and measurement conditions of through-silicon via

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IEC 63033-2:2018

Car multimedia systems and equipment. Drive monitoring system. Recording methods of the drive monitoring system

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EPL/100

IEC 63135:2018

Maritime navigation and radio communication equipment and systems. Automatic identification systems (AIS). SAR airborne equipment. Operational and performance requirements, methods of test and required test results

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EPL/80

IEC TR 63191:2018

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ISO 1496-2:2018

Series 1 freight containers. Specification and testing. Thermal containers

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TW/1

*Will be implemented as an identical British Standard***ISO 1833-20:2018**

Textiles. Quantitative chemical analysis. Mixtures of elastane with certain other fibres (method using dimethylacetamide)

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TCI/80

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Anodizing of aluminium and its alloys. Assessment of resistance of anodic oxidation coatings to cracking by deformation

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STI/33

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MCE/11

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Safety devices for protection against excessive pressure. Bursting disc safety devices

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Agricultural machinery. Safety. Portable agricultural grain augers

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Ships and marine technology. Manholes with bolted covers

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EH/1/4

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ISO/IEC 8824-1:2015

Information technology. Abstract Syntax Notation One (ASN.1): Specification of basic notation

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IST/6

Will not be implemented as a British Standard

ISO/IEC 8825-7:2015

Information technology. ASN.1 encoding rules. Specification of Octet Encoding Rules (OER)

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IST/6

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ISO 9241-500:2018

Ergonomics of human-system interaction. Ergonomic principles for the design and evaluation of environments of interactive systems

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PH/9

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Systems and software engineering. Life cycle processes. Requirements engineering

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IST/15

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IST/15

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ISO 10110-18:2018

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£85.50 members, £95.00 non-members

CPW/172

Will be implemented as an identical British Standard

ISO 11348-1:2007/AMD1:2018

Water quality. Determination of the inhibitory effect of water samples on the light emission of *Vibrio fischeri* (Luminescent bacteria test). Method using freshly prepared bacteria

£11.70 members, £13.00 non-members

EH/3/5

Will be implemented as an identical British Standard

ISO 11348-2:2007/AMD1:2018

Water quality. Determination of the inhibitory effect of water samples on the light emission of *Vibrio fischeri* (Luminescent bacteria test). Method using liquid-dried bacteria

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EH/3/5

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Water quality. Determination of the inhibitory effect of water samples on the light emission of *Vibrio fischeri* (Luminescent bacteria test). Method using freeze-dried bacteria

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EH/3/5

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ISO 11760:2018

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PTI/16

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ISO 12123:2018

Optics and photonics. Specification of raw optical glass

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ISO/TS 13399-403:2018

Cutting tool data representation and exchange. Creation and exchange of 3D models. Modelling of driven tool units

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MTE/18

Will be implemented as an identical British Standard

ISO 13438:2018

Geosynthetics. Screening test method for determining the resistance of geotextiles and geotextile-related products to oxidation

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B/553

Will be implemented as an identical British Standard

ISO 13779-2:2018

Implants for surgery. Hydroxyapatite. Thermally sprayed coatings of hydroxyapatite

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CH/150/1

Will be implemented as an identical British Standard

ISO 13779-4:2018

Implants for surgery. Hydroxyapatite. Determination of coating adhesion strength

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CH/150/1

Will be implemented as an identical British Standard

ISO 14167:2018

Gas analysis. General quality aspects and metrological traceability of calibration gas mixtures

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PTI/15

Will be implemented as an identical British Standard

ISO/IEC 14496-14:2018

Information technology. Coding of audio-visual objects. MP4 file format

£63.90 members, £71.00 non-members

IST/37

Will not be implemented as a British Standard

ISO 14978:2018

Geometrical product specifications (GPS). General concepts and requirements for GPS measuring equipment

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TPR/1

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ISO 15151:2018

Milk, milk products, infant formula and adult nutritional. Determination of minerals and trace elements. Inductively coupled plasma atomic emission spectrometry(ICP-AES) method

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AW/5

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ISO 15175:2018

Soil quality. Characterization of contaminated soil related to groundwater protection

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EH/4

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ISO/TS 15874-7:2018

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

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PRI/88/2

Will be implemented as an identical British Standard

ISO/TS 15875-7:2018

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

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PRI/88/2

Will be implemented as an identical British Standard

ISO/TS 15876-7:2018

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

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PRI/88/2

Will be implemented as an identical British Standard

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

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PRI/88/2

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ISO 16000-23:2018

Indoor air. Performance test for evaluating the reduction of formaldehyde and other carbonyl compounds concentrations by sorptive building materials

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EH/2/5

Will be implemented as an identical British Standard

ISO 16000-24:2018

Indoor air. Performance test for evaluating the reduction of volatile organic compound concentrations by sorptive building materials

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EH/2/5

Will be implemented as an identical British Standard

ISO 16133:2018

Soil quality. Guidance on the establishment and maintenance of monitoring programmes

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EH/4

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ISO 16589-1:2011/AMD1:2018

Rotary shaft lip-type seals incorporating thermoplastic sealing elements. Nominal dimensions and tolerances

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MCE/11

ISO 16589-1:2011/Amd.1:2018. Will be implemented as an identical British Standard

ISO 16750-1:2018

Road vehicles. Environmental conditions and testing for electrical and electronic equipment. General

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AUE/32

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ISO 16889:2008/AMD1:2018

Hydraulic fluid power. Filters. Multi-pass method for evaluating filtration performance of a filter element

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MCE/18/-/6

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ISO/IEC TS 17021-11:2018

Conformity assessment. Requirements for bodies providing audit and certification of management systems. Competence requirements for auditing and certification of facility management (FM) management systems

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FMW/1

Will be implemented as an identical British Standard

ISO 17123-9:2018

Optics and optical instruments. Field procedures for testing geodetic and surveying instruments. Terrestrial laser scanners

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CPW/172

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ISO 17201-1:2018

Acoustics. Noise from shooting ranges. Determination of muzzle blast by measurement

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EH/1/3

Will be implemented as an identical British Standard

ISO 17949:2013/AMD2:2018

Impact test procedures for road vehicles. Seating and positioning procedures for anthropomorphic test devices. Procedure for the WorldSID 50th percentile maleside-impact dummy in front outboard seating positions

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AUE/7

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ISO 18250-1:2018

Medical devices. Connectors for reservoir delivery systems for healthcare applications. General requirements and common test methods

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CH/210/5

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ISO 18315:2018

Nuclear energy. Guidance to the evaluation of measurement uncertainties of impurity in uranium solution by linear regression analysis

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NCE/9

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ISO/TR 18486:2018

Plastics. Parameters comparing the spectral irradiance of a laboratory light source for weathering applications to a reference solar spectral irradiance

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PR/121

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ISO 18639-5:2018

PPE ensembles for firefighters undertaking specific rescue activities. Helmet

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PH/14

Will be implemented as an identical British Standard

ISO 18692-1:2018

Fibre ropes for offshore station keeping. General specification

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TCV/77

Will be implemented as an identical British Standard

ISO 18785-1:2018

Friction stir spot welding. Aluminium. Vocabulary

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WEE/-/1

Will be implemented as an identical British Standard

ISO 18785-2:2018

Friction stir spot welding. Aluminium. Design of weld joints

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WEE/-/1

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ISO 18785-3:2018

Friction stir spot welding. Aluminium. Qualification of welding personnel

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WEE/-/1

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ISO 18785-4:2018

Friction stir spot welding. Aluminium. Specification and qualification of welding procedures

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WEE/-/1

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ISO 18785-5:2018

Friction stir spot welding. Aluminium. Quality and inspection requirements

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WEE/-/1

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ISO 19206-1:2018

Road vehicles. Test devices for target vehicles, vulnerable road users and other objects, for assessment of active safety functions. Requirements for passenger vehicle rear-end targets

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AUE/15

Will be implemented as an identical British Standard

ISO 19206-2:2018

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AUE/15

Will be implemented as an identical British Standard

ISO 19277:2018

Petroleum, petrochemical and natural gas industries. Qualification testing and acceptance criteria for protective coating systems under insulation

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PSE/17

Will be implemented as an identical British Standard

ISO 19296:2018

Mining. Mobile machines working underground. Machine safety

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MRE/1

Will be implemented as an identical British Standard

ISO/IEC TS 19570:2018

Programming Language. Technical Specification for C++ Extensions for Parallelism

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IST/5

Will be implemented as an identical British Standard

ISO 19825:2018

Road vehicles. Liquefied petroleum gas (LPG) refuelling connector

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GSE/40

Will not be implemented as a British Standard

ISO 19882:2018

Gaseous hydrogen. Thermally activated pressure relief devices for compressed hydrogen vehicle fuel containers

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PVE/3/8

Will be implemented as an identical British Standard

ISO 20088-3:2018

Determination of the resistance to cryogenic spillage of insulation materials. Jet release

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PSE/17/-/9

Will be implemented as an identical British Standard

ISO 20166-1:2018

Molecular in vitro diagnostic examinations. Specifications for pre-examination processes for formalin-fixed and paraffin-embedded (FFPE) tissue. Isolated RNA

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CH/212

Will be implemented as an identical British Standard

ISO 20166-2:2018

Molecular in vitro diagnostic examinations. Specifications for pre-examinations processes for formalin-fixed and paraffin-embedded (FFPE) tissue. Isolated proteins

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CH/212

Will be implemented as an identical British Standard

ISO 20184-1:2018

Molecular in vitro diagnostic examinations. Specifications for pre-examination processes for frozen tissue. Isolated RNA

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CH/212

Will be implemented as an identical British Standard

ISO 20189:2018

Acoustics. Screens, furniture and single objects intended for interior use. Rating of sound absorption and sound reduction of elements based on laboratory measurements. Rating of sound absorption and sound reduction of elements based on laboratory measurements

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EH/1/6

Will be implemented as an identical British Standard

ISO 20294:2018

Graphic technology. Quantification and communication for calculating the carbon footprint of e-media

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PAI/43

Will be implemented as an identical British Standard

ISO 20337:2018

Fibre-reinforced plastic composites. Shear test method using a shear frame for the determination of the in-plane shear stress/shear strain response and shear modulus

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PRV/42

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ISO/TS 20399-1:2018

Biotechnology. Ancillary materials present during the production of cellular therapeutic products. General requirements

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BTI/1

Will be implemented as an identical British Standard

ISO/TS 20399-2:2018

Biotechnology. Ancillary materials present during the production of cellular therapeutic products. Best practice guidance for ancillary material suppliers

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BTI/1

Will be implemented as an identical British Standard

ISO/TS 20399-3:2018

Biotechnology. Ancillary materials present during the production of cellular therapeutic products. Best practice guidance for ancillary material users

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BTI/1

Will be implemented as an identical British Standard

ISO 20766-1:2018

Road vehicles. Liquefied petroleum gas (LPG) fuel systems components. General requirements and definitions

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GSE/40

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ISO 20766-2:2018

Road vehicles. Liquefied petroleum gas (LPG) fuel systems components. Performance and general test methods

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GSE/40

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ISO 20766-3:2018

Road vehicles. Liquefied petroleum gas (LPG) fuel systems components. 80% stop valve

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GSE/40

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ISO 20766-4:2018

Road vehicles. Liquefied petroleum gas (LPG) fuel system components. Level indicator

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GSE/40

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ISO 20848-3:2018

Packaging. Plastics drums. Plug bung closure systems for plastics drums with a nominal capacity of 113,6 l to 220 l

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PKW/0/-/4

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ISO 20932-1:2018

Textiles. Determination of the elasticity of fabrics. Strip tests

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TCI/24

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ISO 20932-2:2018

Textiles. Determination of the elasticity of fabrics. Multiaxial tests

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TCI/24

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ISO 20932-3:2018

Textiles. Determination of the elasticity of fabrics. Narrow fabrics

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TCI/24

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ISO 20949:2018

Aircraft. Smart contactor. General requirements

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ACE/6

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ISO 21022:2018

Test method for fibre-reinforced cementitious composites. Load-deflection curve using circular plates

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B/517

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WI/-

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ISO 21153:2018

Corrosion of metals and alloys. Measurement of environmentally assisted small crack growth rate

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ISE/NFE/8

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ISO 21183-2:2018

Light conveyor belts. List of equivalent terms
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PR1/67

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ISO/TS 21219-26:2018

Intelligent transport systems. Traffic and travel information via transport protocol experts group, generation 2 (TPEG2). Vigilance location information (TPEG2-VLI)

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EPL/278

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ISO/TR 21245:2018

Railway applications. Railway project planning process. Guidance on railway project planning. Guidance

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RAE/1

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ISO 21426:2018

Tourism and related services. Medical spas. Service requirements

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SVS/2

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ISO/TR 21506:2018

Project, programme and portfolio management. Vocabulary

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MS/2

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ISO 21632:2018

Graphic technology. Determination of the energy consumption of digital printing devices including transitional and related modes

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PAI/43

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ISO 21925-1:2018

Fire resistance tests. Fire dampers for air distribution systems. Mechanical dampers

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FSH/22/-4

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ISO 21927-2:2018

Smoke and heat control systems. Specifications for natural smoke and heat exhaust ventilators

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FSH/25

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ISO 21927-5:2018

Smoke and heat control systems. Powered smoke exhaust systems. Requirements and design

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FSH/25

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ISO/TR 21959-1:2018

Road vehicles. Human performance and state in the context of automated driving. Common underlying concepts

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AUE/12

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ISO 21976:2018

Packaging. Tamper verification features for medicinal product packaging

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PKW/0/-12

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ISO 22146:2018

Carbonate liming materials. Determination of reactivity. Automatic titration method with citric acid

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CII/37

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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

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PR1/88/2

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ISO/TS 22835:2018

Health informatics. Information model of combination of decoction pieces in Chinese medicines

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IST/35

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ISO 23388:2018

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PH/3/8

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ISO/IEC 29101:2018

Information technology. Security techniques. Privacy architecture framework

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IST/33

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ISO/IEC 30118-1:2018

Information technology. Open Connectivity Foundation (OCF) Specification. Core specification

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IST/-/99

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Information technology. Open Connectivity Foundation (OCF) Specification. Security specification

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ISO/IEC 30118-3:2018

Information technology. Open Connectivity Foundation (OCF) Specification. Bridging specification

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ISO/IEC 30118-4:2018

Information technology. Open Connectivity Foundation (OCF) Specification. Resource type specification

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ISO/IEC 30118-5:2018

Information technology. Open Connectivity Foundation (OCF) Specification. Smart home device specification

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ISO/IEC 30118-6:2018

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IST/-/99

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ISO 55002:2018

Asset management. Management systems. Guidelines for the application of ISO 55001

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AMS/1

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ISO 80601-2-56:2017/AMD1:2018

Medical electrical equipment. Particular requirements for basic safety and essential performance of clinical thermometers for body temperature measurement

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CH/121

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ISO 81060-2:2018

Non-invasive sphygmomanometers. Clinical investigation of intermittent automated measurement type

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CH/121/9

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EN 10058:2018

Hot rolled flat steel bars and steel wide flats for general purposes. Dimensions and tolerances on shape and dimensions

ISE/103



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