

# What's New May 2019

## Contents

### Content Common to CAWS and BG 56 Based Specifications

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A full record of the content revisions can be obtained within the report that is produced when you run the update routine on your user specifications.

Detailed PDF guidance documents can be found by clicking on the 'Sustainability' or 'Technical Design Guides' icons in the 'Guidance' toolbar.

Unless stated otherwise, section or clause guidance is accessed via the right-hand window.

### Content Common to CAWS and BG 56 Based Specifications

Section 1	Summary
Detailed Technical Guidance	<p><b>New or enhanced existing guidance:</b></p> <ul style="list-style-type: none"> <li>• Existing guidance table comparing filters tested to withdrawn standard BS EN 779, updated to BS EN ISO 16890 requirements and Eurovent data</li> <li>• Addition of new guidance table with examples of filter classes to BS EN ISO 16890 (or BS EN 779) to meet minimum efficiency recommended in BS EN 16798-3 (for categories of outdoor or supply air level of pollution)</li> </ul> <p><i>See Section 2 for details</i></p>
Work Section Updates	<p><b>Key points:</b></p> <ul style="list-style-type: none"> <li>• General review and update of Legislation referenced within NES</li> <li>• Amendments made to BIM standards within preliminaries and general conditions sections</li> <li>• Part 2 clauses in mechanical work sections have been rationalised, with some superfluous sections removed and some new sections added</li> <li>• NES content has been made gender neutral</li> <li>• AC/Ventilation, AHU's, filters and design criteria clauses have been enhanced and rationalised in line with current standards</li> <li>• Addition of one new schedule for in duct filters and updates made to two existing schedules for air handling units and common design criteria</li> <li>• Grease traps / separators clauses have been significantly expanded</li> <li>• Addition of new cyber security and data protection clause to preliminaries and general conditions sections in line with the Data Protection Act 2018</li> <li>• All electrical sections updated to remove requirement for dedicated earthing conductors to be cream and the depreciated term "clean earth"</li> <li>• Solar PV clauses updated to include "building integrated" solar PV modules</li> </ul> <p><i>See Section 2 for further details and Section 3 for details of schedules</i></p>
Standards and Regulations Updates (only significant standards listed here)	<p><b>Some significant documents covered by the update include:</b></p> <ul style="list-style-type: none"> <li>• BESA Guide TR/6 added to compressed air sections</li> <li>• Safety alert HSE Bulletin No. STSU1-2019 regarding welding fumes</li> <li>• BSRIA BG 6 added to BG 56 specific section, B2</li> </ul> <p><b>Some significant standards covered by the update include:</b></p> <ul style="list-style-type: none"> <li>• BS EN 12255 for large wastewater treatment plant</li> <li>• BS ISO 10508 for plastic piping for hot and cold water - application classes</li> <li>• BS EN 16798-3 for ventilation systems efficiency</li> <li>• BS EN ISO 19650 - BIM standards and published document for guidance</li> </ul> <p><i>See Section 4 for details of all changes to reference documents</i></p>

## Content Common to CAWS and BG 56 Based Specifications

### Section 2 Details of Work Section Updates & Audits

Refer to separate 'CAWS - BG 56 NES Master Content Reference Document' for details of the corresponding BG 56 part/section to the following CAWS section references.

#### BIM Standards

Reference to BS EN ISO 19650-1 and BS EN ISO 19650-2 / PD 19650-0 added in the following locations following withdrawal of BS 1192 and PAS 1192-2:

- A10:110.000
- A30:610.000 & 620.000
- A31:160.001
- A64:100.010 & 800.200

#### NES Gender Neutral Content

NES has traditionally used "he" / "his" (when referring to the Employer, the Contractor or the Sub-contractor) rather than "they" / "their". Following requests from users these have been made gender neutral. Mainly the A sections' clauses required updates but some NES guidance were also amended. Generally the following changes have been made:

- He – replaced with they
- His – replaced with their
- Himself – replaced with themselves
- Him – replaced with them

#### Legislation

- A general review of references to Legislation within NES has been undertaken for validity and currency with clauses in various sections updated - some out-of-date references have been removed and some references added.
- Below are significant items either added or amended:
  - Electricity at Work Regulations / HSE HSR25
  - Gas Appliances (enforcement) and Miscellaneous Amendments Regulation 2018
  - Measuring Instruments Regulations 2016
  - Work at Height Regulations 2016
  - The Electrical Equipment (Safety) Regulations 2016
  - The Equipment and Protective Systems Intended for Potentially Explosive Atmospheres Regulations 2016
  - The Pressure Equipment (safety) Regulations 2016
  - Construction Products Regulations 2013
  - The Equality Act 2010
- Below are significant items removed:
  - Control of Pollution Act 1974
  - Factories Act 1961
  - Mines and Quarries Act 1978
- Where an item of legislation is current but is amended, the text "as amended" has been added. In some cases, the original date of the primary document, rather than listing all the documents that amend the primary document, is added.

#### Part 2 Clauses Associated with Mechanical Work Sections

- The part 2 clauses that form part of each work section (excluding self-contained specifications) have been rationalised. This has resulted in the removal of some part 2 subsections that are not relevant within certain sections, and in some cases, the addition of relevant yet previously omitted subsections. This should simplify the editing process.
- In particular the following parts of 243.XXX Coils, Heat Recovery Equipment and Gas / Electric Batteries, have been added to T20 Primary Heat Distribution, T31 Low Temperature Hot Water Heating and T61 Primary / Secondary Cooling Distribution:

## Content Common to CAWS and BG 56 Based Specifications

### Section 2 Details of Work Section Updates & Audits

- T20:243.010 General, 243.015 Fog / Frost Heating Coil, 243.020 Heating Coil, 243.100 Workmanship
- T31:243.010 General, 243.015 Fog / Frost Heating Coil, 243.020 Heating Coil, 243.100 Workmanship
- T61:243.010 General, 243.030 Chilled Water Cooling Coil, 243.100 Workmanship

### Services Generally, Energy & Other Strategies. Drawing and Contractor Design Responsibilities - BG 56 Section B2

Clauses 100.110 and 100.115 updated to BSRIA BG 6/2018.

### Design Criteria and Standards - BG 56 Section B6

- Categories for classifying the level of particle and gaseous pollutants in the outdoor air for the site (ODP) to BS EN 16798-3 added to Clause 100.110.
- Categories for classifying required category of indoor air (SUP) to BS EN 16798-3 added to Clause 100.160.

### Description of the Works and Common Design Criteria - A13 / A64

- Categories for classifying the level of particle and gaseous pollutants in the outdoor air for the site (ODP) to BS EN 16798-3 added to Clause 220.000.
- Categories for classifying required category of indoor air (SUP) to BS EN 16798-3 added to Clause 220.200.
- New clauses A13:310.000 and A64:710.185 added covering core requirements for cyber security and data protection. The clauses enable the specification of requirements to ensure delivered systems facilitate compliance with the Data Protection Act 2018, which implements the General Data Protection Regulation, or GDPR, in the UK, and ensure that delivered systems are robust in terms of cyber security. The clauses also permit the specification of systems to comply with particular strategies for IT security management and cyber security.

### Residential Projects - B20

Clause 100.453 re-named Supply of Hardware, Software, Firmware, Configuration and Embedded Applications. The clause has also been to permit specification of requirements to ensure delivered systems facilitate compliance with the Data Protection Act 2018, which implements the General Data Protection Regulation, or GDPR, in the UK, and ensure that delivered systems are robust in terms of cyber security. The clause also enables the specification of systems to comply with particular strategies for security management and cyber security.

### Drainage - R11, R12 & R19

Clauses R12:330.040, R11:300.035 and R19:300.062 for grease traps, significantly expanded to cater for gravity grease separators as well as grease traps. Standards, types and applications added.

### Drainage Below Ground - R12

Testing standards for thermoplastic piping systems expanded to include BS EN ISO 13259 for leak testing of elastomeric sealing ring type joints.

### Drainage / Sewerage - R12, R20 & R21

- BS ISO 16611 for non-circular GRP pipes option added to R12:310.050.
- Clarification text added in R20:320.010 for BS EN 805.
- In R21:300.100, BS EN 12255 for wastewater treatment plant for population > 50PT and standards for GRP pressure vessels, have been added.

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### Section 2 Details of Work Section Updates & Audits

#### Cold Water - S10 and S12

BS EN 1717 added to clauses S10:300.060 and S12:200.095 (packaged booster sets) for air gap types of different fluid categories. AB & AF air gap definitions added, plus the following options in some clauses:

- Methods of pump operation
- Pressure control expanded to include constant pressure and proportional by pump speed with remote pressure sensors
- Secondary sensors at pump manifold

#### Hot Water - S11, S12 & B20

- BS EN 13203 added to S11:300.000, S12:200.001 and B20:300.200 (for gas-fired domestic appliances producing hot water).
- EU Regulation 814/2013 and BS EN 50440 (for test methods for measuring energy efficiency of electrical storage water heaters) added to B20:300.200.

#### Water Reclamation - S17

- In guidance, BS 8515 removed (superseded in 2018) and BS EN 16914-1 added for rainwater re-use systems.
- In guidance, reference added to PD CEN/TR 17179 for thermoplastic infiltration and attenuation systems outside building structures.

#### Compressed Air - S30 & S31

BESA Guide TR/6 for pipework testing added to clauses S30:320.005 and S31:320.010.

#### Natural Gas - S32

IGEM/GM/7B clarified as being for hazardous area classification for gas metering equipment within clauses 310.010 and 310.012 (gas meters).

#### LPG - S33

- Inspection and requalification standards BS EN 12817 / BS EN 12819 added to Clause 310.010.
- Reference to IGEM/GM/6 removed from gas meter Clause 310.032.

#### Fuel Oil and Diesel - S40 / S41

- Reference to DSEAR and HSE L138 added to Clause S40:300.005.
- Relevant parts of BS 5410 added to Clause S41:310.005.

#### Vacuum - S50

- BS EN ISO 7396-1 for medical gas pipeline systems added to Clause 300.010.
- BS ISO 21360 for measuring vacuum pump performance added to Clause 310.010.
- Part 2 of standard BS EN ISO 7396 added to Clause 310.011 for AGSS systems.

#### Steam - S51, S52 & S53

Reference to CIBSE TM58 added to the beginning of each section guidance.

#### Boilers - T10

Reference to BS 5412, and BS EN 12514 added to Clause 300.040 for safety requirements for oil / liquid fuel supply systems.

#### Heat Pumps - T14

- Clause 300.015 for EcoDesign / EER requirements for air conditioners added.
- BS EN 12102-1 for sound power level tests added to 300.032.

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### Section 2 Details of Work Section Updates & Audits

#### Biomass Boilers - T16

BS EN 16519-1 for residential solid fuel burning appliances added to clauses 310.010 and 310.020.

#### CHP - T19

BS ISO 8528-2 added to Clause 300.007 for spark-ignition internal combustion engines.

#### Central Refrigeration plant - T60 / T69

- Standards for plant and equipment for use in explosive atmospheres added to clause T60:300.060.
- New Clause T60:310.051 added for chillers with evaporatively cooled condensers. The same clause has been added to Self-contained Section T69 (numbered 200.022).

#### VRF Systems - T62

- General update to Clause 300.062 for air source gas engine driven type heat pumps, including the removal of references to water pipework / pumps.
- BS EN 378, BS EN 14511 and BS EN 12102-1 added to Clause 300.060 (for external units).

#### Local Cooling - T70

Standard BS EN 15218 for evaporatively cooled units, removed from remote air cooled condensing units Clause 300.030, and BS EN 12102-1 added for sound power level tests.

#### General Ventilation - U10

In regulations and standards Clause 300.005, reference to text referring to The Priority School Building Programme has been amended to include reference to baseline designs and strategies.

#### Fume Extract - U16

New Clause 300.002 added for welding fumes, referring to HSE Bulletin No. STSU1-2019 and LEV Guide HSG258.

#### Air Conditioning Units - U60

Clause 300.030 for roof mounted AC units expanded:

- Standard BS EN 15218 for units with evaporatively cooled condensers added.
- Standard BS EN ISO 16890-1 for filter classification for indoor / outdoor filters.
- Details added for:
  - Condenser including type
  - Condenser fans control
  - Evaporative unit water supply
  - Design air on temperatures

#### HV Supply / Distribution / Public Utility Supply - V11

Clauses 310.060 and 310.070 have been updated to correct the references to the BS EN 62271, BS EN IEC 62271, BS IEC/IEEE 62271 and PD IEC/TR 62271 series of standards.

#### Solar PV systems - V13

- Clause 310.010 has been updated to include for the specification of building integrated solar PV (BIPV) modules to BS EN 50583-series of standards, and thin-film terrestrial PV modules to BS EN 61646.
- Clause 320.030 has been updated to permit specification of on-site measurements of PV array current-voltage characteristics to BS EN 61829.

#### Staff Paging / Location - W11

Clause 300.030 has been revised to align with clauses for electromagnetic compatibility in other work sections.

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### Section 2 Details of Work Section Updates & Audits

#### Security Detection and Alarm - W41

- Clause 310.080 has been updated to include for active infrared beam detection devices to PD CLC/TS 50131-2-9.
- Clause 310.130 has been renamed Vibration and Shock Detectors, and updated to include shock detectors to BS EN 50130-2-8.

#### BMS / Building Controls - W60 & W69 (Self-contained Specification)

- Clauses W60:300.010 and W69:300.010 revised to include BS EN 16947-1 and PD CEN/TR 16947-2 for overall alarming, fault detection and diagnostics, reporting, monitoring, energy management functions, functional interlocks and optimizations, to set and maintain energy performance of buildings.
- Addition of standards for sensors / detectors for combustible gases, toxic gases and oxygen to Clauses W60:310.546 and W69:800.070.

#### Pipework - Y10 & Z Part 2

- Addition of reference to the collet compression fittings application for stainless steel tubes up to 50mm, to Clause 2200#.
- In Clause 2495 for UPVC plastic piping for soil and waste, the British Standard reference has been corrected to BS EN 1453-1.
- Clauses 2496# and 2496A deleted as they duplicate Clause 2585A. Part 2 Clause 210.050 amended to reflect this.
- In clause 2654#, 2669# and 8020, BS ISO 21307 removed as the butt fusion standard (no replacement available).
- Clause 9020# for steam and condensate mains – intervals between drain points, amended to read 30m.
- In part 2 Clause 210.050, BS ISO 10508 added to define application class for type of system (either hot/cold water or heating) and operating temperature. Types of PP, PB, PVC-C and PE-RT also added to same clause as selectable options.

#### Pipeline Ancillaries / Valves - Y11 & Z Part 2

- Text added to Part 2 Clause 211.010 General, referring to the various parts of BS EN 1074 and BS 5163 for valves to be used in, or connected to, water supply systems carrying water intended for human consumption.
- Text added to part 2 clause as clarification regarding corrugated metal hoses used for heating, to BS EN 14585-1 and PD CEN/TR 14585-3.

#### Filtration - Y40, Y42 & various locations within Self-contained Sections

- All references to BS EN 779 have been removed (this standard was withdrawn in July 2018). The replacement BS EN ISO 16890, was added to NES in the March 2018 release. The following clauses are affected:
  - T40:300.020, 300.025 & 300.030
  - T41:200.010
  - T42:300.020
  - T70:300.020
  - U19:200.010
  - U39:300.110 & 200.020
  - U41:300.030
  - U43:300.030
  - U50:300.050
  - U60:300.060 & 300.065
  - U70:300.020, 300.030 & 300.040
  - Part 2 clauses 240.040, 242.020 & 230.085

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### Section 2 Details of Work Section Updates & Audits

- Y42.2020#
- BS EN 16798-3 categories for outdoor air and supply air added to part 2 clauses 240.040 and 242.020.
- Parts of BS EN 1822 replaced by parts of BS EN ISO 29463 for testing of high efficiency filters in part 2 clauses 240.040 and 242.020.
- Description of carbon filters changed to "Gas phase air cleaning devices (known as molecular or activated carbon filters)" and Part 2 Clauses 240.040 and 242.020 expanded, and types added. The out-of-date clauses for carbon filters Y42 2080# & Y42 2080A have been removed so now these filters are only included in the part 2 clauses.
- References to BS EN 16798-3 for ODA and SUP added and gas phase molecular filters text updated / aligned with the text in Y40 / Y42 in the self-contained sections clauses U19:200.010 and U39:200.020.
- Filtration guidance:
  - Existing table within section / part 2 clause guidance, which gives a comparison between filters tested to BS EN 779 and BS EN ISO 16890, has been updated based on real test data of 91 filters provided by Eurovent Certita Certification (reference - EUROVENT 4/23 - 2018)
  - Guidance for selection of filters, "to meet the requirements of the indoor air classification taking into consideration the category of outdoor air", added to Y42 and part 2 clauses (referencing standards BS EN 16798-3 and PD CEN/TR 16798-4) and a new table has been added, which gives examples of classes of filters to BS EN 16890 (or BS EN 779) to meet minimum efficiency recommended in BS EN 16798-3

#### Testing and Commissioning (mechanical) - Y51 & Z Part 2

PD CEN/TS 17153 added to Part 2 Clause 251.050 for use when measuring air flow when ambient conditions are different from standard conditions.

#### Cables and Wiring - Y61

In Clause 2090# for optical fibre cables, the reference to BS EN 60793-2-50 has been updated to BS EN IEC 60793-2-50 following the change of reference of that standard.

#### Contactors and Starters - Y72

Clause 2260# updated to remove the requirement for dedicated functional earthing conductors to be cream. In BS EN 60445, pink is specified. This would apply in all cases where BS 7671:2018 does not apply. Where BS 7671 applies, BS 7671:2018+CORR1:2018 requires that cream may be used until 7 April 2020, and from 8 April 2020, pink shall be used (as all national standards conflicting with BS EN 60445 must be withdrawn).

#### Identification Electrical - Y82

Clause 2160 updated to remove the term "clean earth" which is now deprecated, and reference the correct standard BS EN 50310, for relevant applications of this type.

## Content Common to CAWS and BG 56 Based Specifications

### Section 3 Schedules

Below is a summary of the updates to schedules in Excel that can be activated by clicking on the links from NES clauses.

Some guidance has been incorporated into many of the schedules in the form of "comments" that are displayed when hovering over certain cells.

These supplied NES schedules:

- Are independent of classification
- Have been updated to a common formatting theme
- Are orientated as landscape for ease of publishing

For a complete listing and print preview of all NES schedules refer to document NES Building Services Schedules, located on the "Guidance" tool bar, under "Other Resources".

The list below covers significant amendments / changes to existing schedules and new schedules.

#### Types

U – Existing schedule that has been significantly updated

N – New schedule

Section Reference		Schedule Name	Type	Details
CAWS	BG 56			
Y42	C1.4.470	In Duct Filters	N	For use when specifying in duct of packaged terminal filters / housings comprising ceiling mounted housing with filter, damper and diffuser for either turbulent or laminar flow in clean rooms.
A13	B6	Common Design Criteria	U	Outdoor air classification (ODA) and supply air class (SUP) to BS EN 16798-3 added to External Conditions sheet with note to point user to new guidance note in A13 clauses 220.000 and 230.200.
Y40	C1.4.450	Air Handling Units	U	Outdoor air classification (ODA) and supply air class (SUP) to BS EN 16798-3 added to Summary of AHU's sheet. Gas phase (molecular) filtration, with types, added to AHU1 main components sheet.



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Section 4 Detail Changes to Reference Documents

Work Section		Reference Document - Current	Status of Current Reference	Reference Document - New
CAWS	BG 56			
-	B2		New Addition	Design Framework for Building Services 5th Edition (BG 6/2018)
A10, A30, A31, A64	A1.1, A3.1, A3.2		New Addition	BS EN ISO 19650-1:2018 Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM). Information management using building information modelling. Concepts and principles
A10, A30, A31, A64	A1.1, A3.1, A3.2		New Addition	BS EN ISO 19650-2:2018 Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM). Information management using building information modelling. Delivery phase of the assets
A10, A30, A31, A64	A1.1, A3.1, A3.2		New Addition	PD 19650-0:2019 Transition guidance to BS EN ISO 19650
A11, A30, A33, A64, B20, C12, R13, X21	A1.2, A3.1, A3.4, D1.1.40, D3.2.20		Updated year of Regulation	The Construction (Design and Management) Regulations 2015
A13, A64, B20	A1.4,		New Addition	Data Protection Act 2018
A13, A33, A64, B20,	A1.4, A3.4		New Addition	The Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016
A13, A64, B20	A1.4		New Addition	BS EN IEC 62443-4-1:2018 Security for industrial automation and control systems. Secure product

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Section 4 Detail Changes to Reference Documents

Work Section		Reference Document - Current	Status of Current Reference	Reference Document - New
CAWS	BG 56			
				development lifecycle requirements
A13, A64	A1.4	PD CLC/TR 60079-32-1:2015 Explosive atmospheres. Electrostatic hazards, guidance	Withdrawn, Superseded	PD CLC/TR 60079-32-1:2018 Explosive atmospheres. Electrostatic hazards, guidance
A13	A1.4		New Addition	PD ISO/IEC TS 27008:2019 Information technology. Security techniques. Guidelines for the assessment of information security controls
A33, A64,	A3.4		Updated reference to Regulation	CLP - Classification, Labelling and Packaging of Substances and Mixtures, Regulation (EC) 1272/2008, and amendments
A33, A64, B20, N11, S10, S11, S12, S13, S17, S20, T15, T32, T41, T69, U19, U39, W60, W69, Y11, Y21, Y25, Y44, Y50, Z Part 2	A3.4, C5.20, C1.2.10, C1.2.20, C1.2.30, C1.2.70, C1.2.80, C1.2.21, C1.7.10, D1.8.20, D1.2.12, D1.10.10, D1.4.490, D1.9.10, C1.10.10		Updated year of Regulation	The Construction Products Regulations 2013 (CPR)
A64		BS EN ISO 50001:2011 Energy management systems. Requirements with guidance for use	Withdrawn, Superseded	BS EN ISO 50001:2018 Energy management systems. Requirements with guidance for use
B20, V90		BS 6150:2006+A1:2014 Painting of buildings. Code of practice	Withdrawn, Superseded	BS 6150:2019 Painting of buildings. Code of practice
B20, S12, S32, T32, T41	C1.3.10	BS 6400-2:2006 Specification for installation, exchange, relocation and removal	Withdrawn, Superseded	BS 6400-2:2018 Specification for installation, exchange, relocation, maintenance and removal of gas

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Work Section		Reference Document - Current	Status of Current Reference	Reference Document - New
CAWS	BG 56			
		of gas meters with a maximum capacity not exceeding 6 m <sup>3</sup> /h. Medium pressure (2nd family gases)		meters with a maximum capacity not exceeding 6 m <sup>3</sup> /h. Medium pressure (2nd family gases)
B20, S11, S12	C1.2.20	BS EN 13203-2:2015 Gas-fired domestic appliances producing hot water. Assessment of energy consumption	Withdrawn, Superseded	BS EN 13203-2:2018 Gas-fired domestic appliances producing hot water. Assessment of energy consumption
B20, S11, S12	C1.2.20		New Addition	BS EN 13203-3:2010 Solar supported gas-fired domestic appliances producing hot water. Appliances not exceeding 70 kW heat input and 500 litres water storage capacity. Assessment of energy consumption
B20, S11, S12	C1.2.20		New Addition	BS EN 13203-5:2018 Gas-fired domestic appliances producing hot water. Assessment of energy consumption of gas-fired appliances combined with electrical heat pump
B20, S11, S12	C1.2.20		New Addition	BS EN 13203-6:2018 Gas-fired domestic appliances producing hot water. Assessment of energy consumption of adsorption and absorption heat pumps
B20, S32, T10, T19, T32, T41	C1.3.10, C1.4.30, D1.4.100	BS EN 13611:2015 Safety and control devices for burners and appliances burning gaseous and/or liquid fuels. General requirements	Withdrawn, Superseded	BS EN 13611:2019 Safety and control devices for burners and appliances burning gaseous and/or liquid fuels. General requirements
B20, T10, T32, T40, T41, T42	C1.4.30, C1.4.140, C1.4.150	BS EN 14214:2008+A1:2009 Automotive fuels. Fatty acid methyl esters (FAME) for diesel engines. Requirements and test methods	Amendment 2	BS EN 14214:2012+A2:2019 Liquid petroleum products. Fatty acid methyl esters (FAME) for use in diesel engines and heating applications.

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Work Section		Reference Document - Current	Status of Current Reference	Reference Document - New
CAWS	BG 56			
				Requirements and test methods
B20, T14, T15, T16, T19, T32, Y22, Z Part 2	D1.4.120, C1.2.21, C1.4.90, C1.4.100, C1.8.20, C1.4.120	BS EN 1434-1:2007 Heat meters. General requirements	Amendment 1	BS EN 1434-1:2015+A1:2018 Thermal energy meters. General requirements
B20, T32, Y22, Z Part 2	D1.4.120, C1.8.20, C1.4.120	BS EN 1434-2:2007 Heat meters. Constructional requirements	Amendment 1	BS EN 1434-2:2015+A1:2018 Thermal energy meters. Constructional requirements
B20, T32, Y22, Z Part 2	D1.4.120, C1.8.20, C1.4.120	BS EN 1434-4:2007 Heat meters. Pattern approval tests	Amendment 1	BS EN 1434-4:2015+A1:2018 Thermal energy meters. Pattern approval tests
B20, T32, Y22, Z Part 2	D1.4.120, C1.8.20, C1.4.120	BS EN 1434-5:2007 Heat meters. Initial verification tests	Amendment 1	BS EN 1434-5:2015+A1:2019 Thermal energy meters. Initial verification tests
B20, T32, Y22, Z Part 2	D1.4.120, C1.8.20, C1.4.120	BS EN 1434-6:2007 Heat meters. Installation, commissioning, operational monitoring and maintenance	Amendment 1	BS EN 1434-6:2015+A1:2019 Thermal energy meters. Installation, commissioning, operational monitoring and maintenance
B20, V90, V92		BS EN 54-5:2001 Fire detection and fire alarm systems. Heat detectors. Point detectors	Amendment 1	BS EN 54-5:2017+A1:2018 Fire detection and fire alarm systems. Heat detectors. Point heat detectors
B20, V90, W22, X22, Y73	C2.3.100, C3.2.30, D2.2.50	BS EN 60081:1994 Specification for tubular fluorescent lamps for general lighting service	Amendment 11	BS EN 60081:1998+A11:2018 Double-capped fluorescent lamps. Performance specifications
B20, R30, V40, V90	C1.1.80, C2.2.20	BS EN 60335-2-29:2004+A2:2010 Household and similar electrical appliances. Safety. Particular requirements for battery chargers	Amendment 11	BS EN 60335-2-29:2004+A11:2018 Household and similar electrical appliances. Safety. Particular requirements for battery chargers

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Work Section		Reference Document - Current	Status of Current Reference	Reference Document - New
CAWS	BG 56			
B20, V90, W22, X22, Y73	C2.3.100, C3.2.30, D2.2.50	BS EN 60598-2-4:1998 Luminaires. Particular requirements. Portable general purpose luminaires	Withdrawn, Superseded	BS EN 60598-2-4:2018 Luminaires. Particular requirements. Portable general purpose luminaires
		BS EN 60598-2-7:1997 Luminaires. Particular requirements. Portable luminaires for garden use		
B20, V90, V91, V92, W14, X22, Y74	C2.3.60, C3.2.30, D2.6.70	BS EN 60669-1:1999+A2:2008 Switches for household and similar fixed-electrical installations. General requirements	Withdrawn, Superseded	BS EN 60669-1:2018 Switches for household and similar fixed-electrical installations. General requirements
B20, T10, T15, T32, V51, W60, W69	C1.4.30, C1.2.21, C1.4.170, C1.7.10	BS EN 60730-2-13:2008 Automatic electrical controls for household and similar use. Particular requirements for humidity sensing controls	Withdrawn, Superseded	BS EN IEC 60730-2-13:2018 Automatic electrical controls. Particular requirements for humidity sensing controls
B20, T10, T15, T32, V51, W60, W69	C1.4.30, C1.2.21, C1.4.170, C1.7.10	BS EN 60730-2-15:2010 Automatic electrical controls for household and similar use. Particular requirements for automatic electrical air flow, water flow and water level sensing controls	Withdrawn, Superseded	BS EN IEC 60730-2-15:2019 Automatic electrical controls. Particular requirements for automatic electrical air flow, water flow and water level sensing controls
B20, X10, X19	C3.1.10	BS EN 81-21:2009+A1:2012 Safety rules for the construction and installation of lifts. Lifts for the transport of persons and goods. New passenger and goods passenger lifts in existing building	Withdrawn, Superseded	BS EN 81-21:2018 Safety rules for the construction and installation of lifts. Lifts for the transport of persons and goods. New passenger and goods passenger lifts in existing building
B20, X10, X19	C3.1.10	BS EN 81-28:2003 Safety rules for the construction and installation of lifts. Remote alarm on	Withdrawn, Superseded	BS EN 81-28:2018 Safety rules for the construction and installation of lifts. Lifts for the transport of

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CAWS	BG 56			
		passenger and goods passenger lifts		persons and goods. Remote alarm on passenger and goods passenger lifts
B20, X10, X19	C3.1.10	BS EN 81-70:2003 Safety rules for the construction and installation of lifts. Particular applications for passenger and goods passenger lifts. Accessibility to lifts for persons including persons with disability	Withdrawn, Superseded	BS EN 81-70:2018 Safety rules for the construction and installation of lifts. Particular applications for passenger and goods passenger lift. Accessibility to lifts for persons including persons with disability
B20, X10, X19	C3.1.10	BS EN 81-71:2005 Safety rules for the construction and installation of lifts. Particular applications to passenger lifts and goods passenger lifts. Vandal resistant lifts	Withdrawn, Superseded	BS EN 81-71:2018 Safety rules for the construction and installation of lifts. Particular applications to passenger lifts and goods passenger lifts. Vandal resistant lifts
B20, X10, X19	C3.1.10	BS EN 81-73:2005 Safety rules for the construction and installation of lifts. Particular applications for passenger and goods passenger lifts. Behaviour of lifts in the event of fire	Withdrawn, Superseded	BS EN 81-73:2016 Safety rules for the construction and installation of lifts. Particular applications for passenger and goods passenger lifts. Behaviour of lifts in the event of fire
B20, V90, X22, Y73, Y74	C3.2.30, D2.2.50, D2.6.70	BS EN 60238:2004+A2:2011 Edison screw lampholders	Amendment 1	BS EN IEC 60238:2018+A1:2018 Edison screw lampholders.
B20, V90, Y73	D2.2.50	BS EN 62442-3:2014+A11:2017 Energy performance of lamp controlgear. Controlgear for halogen lamps and LED modules. Method of measurement to determine the efficiency of the controlgear	Withdrawn, Superseded	BS EN IEC 62442-3:2018 Energy performance of lamp controlgear. Controlgear for tungsten-halogen lamps and LED light sources. Method of measurement to determine the efficiency of controlgear
B20, S12, T32, T41,	D1.4.520, D1.9.10	BS EN ISO 1716:2010	Withdrawn, Superseded	BS EN ISO 1716:2018 Reaction to fire tests for

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CAWS	BG 56			
T69, U19, U39, Y46, Y50		Reaction to fire tests for products. Determination of the gross heat of combustion (calorific value)		products. Determination of the gross heat of combustion (calorific value)
R12	C1.1.30		New Addition	BS EN ISO 13259:2018 Thermoplastics piping systems for underground non-pressure applications. Test method for leaktightness of elastomeric sealing ring type joints
R21	C1.1.70		New Addition	BS EN 12255-1:2002 Wastewater treatment plants. General construction principles
R21	C1.1.70		New Addition	BS EN 12255-3:2000 Wastewater treatment plants. Preliminary treatment
R21	C1.1.70		New Addition	BS EN 12255-4:2002 Wastewater treatment plants. Primary settlement
R21	C1.1.70		New Addition	BS EN 12255-5:1999 Wastewater treatment plants. Lagooning processes
R21	C1.1.70		New Addition	BS EN 12255-6:2002 Wastewater treatment plants. Activated sludge processes
R21	C1.1.70		New Addition	BS EN 12255-7:2002 Wastewater treatment plants. Biological fixed-film reactors
R21	C1.1.70		New Addition	BS EN 12255-8:2001 Wastewater treatment plants. Sludge treatment and storage
R21	C1.1.70		New Addition	BS EN 12255-9:2002 Wastewater treatment plants. Odour control and ventilation
R21	C1.1.70		New Addition	BS EN 12255-10:2001 Wastewater treatment plants. Safety principles

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CAWS	BG 56			
R21	C1.1.70		New Addition	BS EN 12255-11:2001 Wastewater treatment plants. General data required
R21	C1.1.70		New Addition	BS EN 12255-12:2003 Wastewater treatment plants. Control and automation
R21	C1.1.70		New Addition	BS EN 12255-13:2002 Wastewater treatment plants. Chemical treatment. Treatment of wastewater by precipitation/flocculation
R21	C1.1.70		New Addition	BS EN 12255-14:2003 Wastewater treatment plants. Disinfection
R21	C1.1.70		New Addition	BS EN 12255-15:2003 Wastewater treatment plants. Measurement of the oxygen transfer in clean water in aeration tanks of activated sludge plants
R21	C1.1.70		New Addition	BS EN 12255-16:2005 Wastewater treatment plants. Physical (mechanical) filtration
S10, S12, S20, S21	C1.2.10, C1.2.80, C1.2.90		Updated year of Regulation	The Water Supply (Water Quality) Regulations 2016
S10, S12, S13	C1.2.10, C1.2.30	BS EN 13077:2008 Devices to prevent pollution by backflow of potable water. Air gap with non-circular overflow (unrestricted). Family A. Type B	Withdrawn, Superseded	BS EN 13077:2018 Devices to prevent pollution by backflow of potable water. Air gap with non-circular overflow (unrestricted). Family A. Type B
S10, S11, S12, Y25	C1.2.10, C1.2.20, D1.10.10	BS EN ISO 5667-3:2012 Water quality. Sampling. Preservation and handling of water samples	Withdrawn, Superseded	BS EN ISO 5667-3:2018 Water quality. Sampling. Preservation and handling of water samples
S12, T32, T41, T69, U19, U39, Y30, Y46, Y50	D1.4.510, D1.4.520, D1.9.10	BS EN 13501-1:2007+A1:2009 Fire classification of construction products and building elements.	Withdrawn, Superseded	BS EN 13501-1:2018 Fire classification of construction products and building elements. Classification using data



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CAWS	BG 56			
		Classification using test data from reaction to fire tests		from reaction to fire tests
S30, S31, Y51	C1.5.10, C1.5.20, D1.10.20		New Addition	Guide to Good Practice - Site Pressure Testing Of Pipework (TR/6)
S30, S33, S51, S52, S53, T14, T16, T19, T20, T33, T60, T61, T69, U60, Z Part 2	C1.5.10, C1.3.20, C1.5.50, C1.5.60, C1.5.70, C1.4.70, C1.4.90, C1.4.100, C1.4.110, C1.4.130, C1.4.380, C1.4.385, C1.4.350, C1.4.120	BS EN 13445-1:2009 Unfired pressure vessels. General	Amendment 2	BS EN 13445-1:2014+A2:2018 Unfired pressure vessels. General
S30, S33, S51, S52, S53, T14, T16, T19, T20, T33, T60, T61, T69, U60, Z Part 2	C1.5.10, C1.3.20, C1.5.50, C1.5.60, C1.5.70, C1.4.70, C1.4.90, C1.4.100, C1.4.110, C1.4.130, C1.4.380, C1.4.385, C1.4.350, C1.4.120	BS EN 13445-2:2009+A2:2012 Unfired pressure vessels. Materials	Amendment 3	BS EN 13445-2:2014+A3:2018 Unfired pressure vessels. Materials
S30, S33, S51, S52, S53, T14, T16, T19, T20, T33, T60, T61, T69, U60, Z Part 2	C1.5.10, C1.3.20, C1.5.50, C1.5.60, C1.5.70, C1.4.70, C1.4.90, C1.4.100, C1.4.110, C1.4.130, C1.4.380, C1.4.385, C1.4.350, C1.4.120	BS EN 13445-3:2009+A1:2012 Unfired pressure vessels. Design	Amendment 4	BS EN 13445-3:2014+A4:2018 Unfired pressure vessels. Design

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CAWS	BG 56			
S30, S33, S51, S52, S53, T14, T16, T19, T20, T33, T60, T61, T69, U60, Z Part 2	C1.5.10, C1.3.20, C1.5.50, C1.5.60, C1.5.70, C1.4.70, C1.4.90, C1.4.100, C1.4.110, C1.4.130, C1.4.380, C1.4.385, C1.4.350, C1.4.120	BS EN 13445-5:2009+A4:2013 Unfired pressure vessels. Inspection and testing	Amendment 1	BS EN 13445-5:2014+A1:2018 Unfired pressure vessels. Inspection and testing
S30, S33, S51, S52, S53, S70, T10, T11, T12, T13, T14, T16, T19, T33, T60, T61, T69, Z Part 2	C1.5.10, C1.3.20, C1.5.50, C1.5.60, C1.5.70, C1.6.70, C1.4.30, C1.4.40, C1.4.50, C1.4.60, C1.4.70, C1.4.90, C1.4.100, C1.4.130, C1.4.380, C1.4.385, C1.4.120	PD 5500:2015+A3:2017 Specification for unfired fusion welded pressure vessels	Amendment 1	PD 5500:2018+A1:2018 Specification for unfired fusion welded pressure vessels
S33	C1.3.20	BS EN 12817:2010 LPG equipment and accessories. Inspection and requalification of LPG tanks up to and including 13 m3	Withdrawn, Superseded	BS EN 12817:2019 LPG Equipment and accessories. Inspection and requalification of LPG pressure vessels up to and including 13 m3
S33	C1.3.20	BS EN 12819:2009 LPG equipment and accessories. Inspection and requalification of LPG tanks greater than 13 m3	New Addition	BS EN 12819:2019 LPG equipment and accessories. Inspection and requalification of LPG pressure vessels greater than 13 m3
S33	C1.3.20		Amendment 2	BS EN 16436-1:2014+A2:2018 Rubber and plastics hoses, tubing and assemblies for use with

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CAWS	BG 56			
				propane and butane and their mixtures in the vapour phase. Hoses and tubings
S34, S50	C1.5.30, C1.5.40	BS EN ISO 7396-1:2007+A3:2013 Medical gas pipeline systems. Pipeline systems for compressed medical gases and vacuum	Amendment 1	BS EN ISO 7396-1:2016+A1:2019 Medical gas pipeline systems. Pipeline systems for compressed medical gases and vacuum
S50	C1.5.40		New Addition	BS ISO 21360-1:2012 Vacuum technology. Standard methods for measuring vacuum-pump performance. General description
S50	C1.5.40		New Addition	BS ISO 21360-2:2012 Vacuum technology. Standard methods for measuring vacuum-pump performance. Positive displacement vacuum pumps
S50	C1.5.40		New Addition	BS ISO 21360-3:2019 Vacuum technology. Standard methods for measuring vacuum pump performance. Specific parameters for mechanical booster vacuum pumps
S50	C1.5.40		New Addition	BS ISO 21360-4:2018 Vacuum technology. Standard methods for measuring vacuum-pump performance. Turbomolecular vacuum pumps
Section Guidance: S51, S52, S53			New Addition	TM58 : Design And Operation of Modern Steam Systems
S70, S73	C1.6.70, B8.6.100	BS EN 15004-1:2008 Fixed firefighting systems. Gas extinguishing systems.	Withdrawn, Superseded	BS EN 15004-1:2019 Fixed firefighting systems. Gas extinguishing systems. Design, installation and

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Work Section		Reference Document - Current	Status of Current Reference	Reference Document - New
CAWS	BG 56			
		Design, installation and maintenance		maintenance
S71	C1.6.80	BS EN 1568-2:2008 Fire extinguishing media. Foam concentrates. Specification for high expansion foam concentrates for surface application to water-immiscible liquids	Withdrawn, Superseded	BS EN 1568-2:2018 Fire extinguishing media. Foam concentrates. Specification for high expansion foam concentrates for surface application to water-immiscible liquids
S71	C1.6.80	BS EN 1568-3:2008 Fire extinguishing media. Foam concentrates. Specification for low expansion foam concentrates for surface application to water-immiscible liquids	Withdrawn, Superseded	BS EN 1568-3:2018 Fire extinguishing media. Foam concentrates. Specification for low expansion foam concentrates for surface application to water-immiscible liquids
T10, T32	C1.4.30,		Amendment 1	BS EN 16475-3:2016+A1:2018 Chimneys. Accessories. Draught regulators, standstill opening devices and combined secondary air devices. Requirements and test methods
T10, T32, T69, Y11, Y23	C1.4.30, D1.8.20, D1.2.22	BS EN ISO 4126-2:2003 Safety devices for protection against excessive pressure. Bursting disc safety devices	Withdrawn, Superseded	BS EN ISO 4126-2:2019 Safety devices for protection against excessive pressure. Bursting disc safety devices
T14, T60, T69	C1.4.70, C1.4.380	BS EN 14825:2016 Air conditioners, liquid chilling packages and heat pumps, with electrically driven compressors, for space heating and cooling. Testing and rating at part load conditions and calculation of seasonal performance	Withdrawn, Superseded	BS EN 14825:2018 Air conditioners, liquid chilling packages and heat pumps, with electrically driven compressors, for space heating and cooling. Testing and rating at part load conditions and calculation of seasonal performance
T15	C1.2.21	BS EN 12976-2:2017	Withdrawn, Superseded	BS EN 12976-2:2019 Thermal solar systems

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CAWS	BG 56			
		Thermal solar systems and components. Factory made systems. Test methods		and components. Factory made systems. Test methods
T15	C1.2.21	BS EN 12977-5:2012 Thermal solar systems and components. Custom built systems. Performance test methods for control equipment	Withdrawn, Superseded	BS EN 12977-5:2018 Thermal solar systems and components. Custom built systems. Performance test methods for control equipment
T16	C1.4.90		New Addition	BS EN 16510-1:2018 Residential solid fuel burning appliances. General requirements and test methods
T19	C1.4.100		Updated year of Regulation	The RHI Regulations 2018
T19	C1.4.100	BS EN 62282-5-1:2012 Fuel cell technologies. Portable fuel cell power systems. Safety	Withdrawn, Superseded	BS EN IEC 62282-5-100:2018 Fuel cell technologies. Portable fuel cell power systems. Safety
T40, T41, T42	C1.4.140, C1.4.150	BS 5864:2010 Installation and maintenance of gas-fired ducted air heaters of rated heat input not exceeding 70 kW net (2nd and 3rd family gases). Specification	Withdrawn, Superseded	BS 5864:2019 Installation and maintenance of gas-fired ducted air heaters of rated heat input not exceeding 70 kW net (2nd and 3rd family gases). Specification
U16	C1.4.240		Updated reference to bulletin	HSE Bulletin No. STSU1-2019
V11	C2.1.20	BS EN 62271-1:2008+A1:2011 High-voltage switchgear and controlgear. Common specifications	Withdrawn, Superseded	BS EN 62271-1:2017 High-voltage switchgear and controlgear. Common specifications for alternating current switchgear and controlgear
V11	C2.1.20	BS EN 62271-100:2001 High-voltage switchgear and controlgear. High-voltage alternating-current circuit-breakers	Amendment 2	BS EN 62271-100:2009+A2:2017 High-voltage switchgear and controlgear. Alternating-current circuit-breakers

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Work Section		Reference Document - Current	Status of Current Reference	Reference Document - New
CAWS	BG 56			
V11	C2.1.20	BS EN 62271-101:2006+A1:2010 High-voltage switchgear and controlgear. Synthetic testing	Amendment 1	BS EN 62271-101:2013+A1:2018 High-voltage switchgear and controlgear. Synthetic testing
V11	C2.1.20	BS EN 62271-104:2009 High-voltage switchgear and controlgear. Alternating current switches for rated voltages of 52 kv and above	Withdrawn, Superseded	BS EN 62271-104:2015 High-voltage switchgear and controlgear. Alternating current switches for rated voltages higher than 52 kV
V11	C2.1.20	BS EN 62271-102:2002+A2:2013 High-voltage switchgear and controlgear. Alternating current disconnectors and earthing switches	Withdrawn, Superseded	BS EN IEC 62271-102:2018 High-voltage switchgear and controlgear. Alternating current disconnectors and earthing switches
V11	C2.1.20	BS EN 62271-110:2012 High-voltage switchgear and controlgear. Inductive load switching	Withdrawn, Superseded	BS EN IEC 62271-110:2018 High-voltage switchgear and controlgear. Inductive load switching
V11	C2.1.20	BS EN 62271-209:2007 High-voltage switchgear and controlgear. Cable connections for gas-insulated metal-enclosed switchgear for rated voltages above 52 kV. Fluid-filled and extruded insulation cables. Fluid-filled and dry-type cable-terminations	Withdrawn, Superseded	BS EN IEC 62271-209:2019 High-voltage switchgear and controlgear. Cable connections for gas-insulated metal-enclosed switchgear for rated voltages above 52 kV. Fluid-filled and extruded insulation cables. Fluid-filled and dry-type cable-terminations
V13	C2.1.40	BS EN 50438:2013 Requirements for micro-generating plants to be connected in parallel with public low-voltage distribution networks	Withdrawn, Superseded	BS EN 50549-1:2019 Requirements for generating plants to be connected in parallel with distribution networks. Connection to a LV distribution network. Generating plants up to and including Type B
V13	C2.1.40	BS EN 62446:2009 Grid connected photovoltaic systems.	Amendment 1	BS EN 62446-1:2016+A1:2018 Photovoltaic (PV)

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CAWS	BG 56			
		Minimum requirements for system documentation, commissioning tests and inspection		systems. Requirements for testing, documentation and maintenance. Grid connected systems. Documentation, commissioning tests and inspection
V14, V90, W60, W69, X22, Y72	C2.1.50, C1.7.10, C3.2.30, D2.6.60	BS EN 60204-1:2006+A1:2009 Safety of machinery. Electrical equipment of machines. General requirements	Withdrawn, Superseded	BS EN 60204-1:2018 Safety of machinery. Electrical equipment of machines. General requirements
W22, Y73	C2.3.100, D2.2.50		Amendment 2	BS EN 62612:2013+A2:2018 Self-ballasted LED lamps for general lighting services with supply voltages > 50 V. Performance requirements
W40	C2.4.10		New Addition	BS EN ISO 2063-1:2019 Thermal spraying. Zinc, aluminium and their alloys. Design considerations and quality requirements for corrosion protection systems
W40	C2.4.10		New Addition	BS EN ISO 2063-2:2017 Thermal spraying. Zinc, aluminium and their alloys. Execution of corrosion protection systems
W41, W42	C2.4.20, C2.4.30		New Addition	BS EN IEC 62676-5:2018 Video surveillance systems for use in security applications. Data specifications and image quality performance for camera devices
W69, Y72	D2.6.60	BS EN 61800-3:2004+A1:2012 Adjustable speed electrical power drive	Withdrawn, Superseded	BS EN IEC 61800-3:2018 Adjustable speed electrical power drive systems. EMC

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CAWS	BG 56			
		systems. EMC requirements and specific test methods		requirements and specific test methods
X22	C3.2.30	BS EN 61167:2016 Metal halide lamps. Performance specification	Withdrawn, Superseded	BS EN 61167:2018+A1:2018 Metal halide lamps. Performance specification
Y10, Z Part 2	D1.8.10, C1.8.10	BS EN ISO 15874-2:2003 Plastics piping systems for hot and cold water installations. Polypropylene (PP). Pipes	Amendment 1	BS EN ISO 15874-2:2013+A1:2018 Plastics piping systems for hot and cold water installations. Polypropylene (PP). Pipes
Y10, Z Part 2	D1.8.10, C1.8.10	BS EN ISO 15874-3:2003 Plastics piping systems for hot and cold water installations. Polypropylene (PP). Fittings	Amendment 1	BS EN ISO 15874-3:2013+A1:2018 Plastics piping systems for hot and cold water installations. Polypropylene (PP). Fittings
Y10, Z Part 2	D1.8.10, C1.8.10	BS EN ISO 15874-5:2003 Plastics piping systems for hot and cold water installations. Polypropylene (PP). Fitness for purpose of the system	Amendment 1	BS EN ISO 15874-5:2013+A1:2018 Plastics piping systems for hot and cold water installations. Polypropylene (PP). Fitness for purpose of the system
Y10	D1.8.10	BS EN ISO 2082:2008 Metallic coatings. Electroplated coatings of cadmium with supplementary treatments on iron or steel	Withdrawn, Superseded	BS EN ISO 2081:2018 Metallic and other inorganic coatings. Electroplated coatings of zinc with supplementary treatments on iron or steel BS EN ISO 2082:2017 Metallic and other inorganic coatings. Electroplated coatings of cadmium with supplementary treatments on iron or steel
Y10	D1.8.10	BS ISO 11922-1:1997 Thermoplastics pipes for the conveyance of	Withdrawn, Superseded	BS ISO 11922-1:2018 Thermoplastics pipes for the conveyance of fluids.



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CAWS	BG 56			
		fluids. Dimensions and tolerances. Metric series		Dimensions and tolerances. Metric series
Y10	D1.8.10	BS ISO 4065:1996 Thermoplastics pipes. Universal wall thickness table	Withdrawn, Superseded	BS ISO 4065:2018 Thermoplastics pipes. Universal wall thickness table
Y25	D1.10.10		Updated reference to Code of Practice	Waste Duty of Care: Code Of Practice
Y25	D1.10.10		Updated reference to Regulations	The Hazardous Waste (England and Wales) Regulations, as amended
Y61	D2.6.20	BS EN 60793-2-50:2016 Optical fibres. Product specifications. Sectional specification for class B single-mode fibres	Withdrawn, Superseded	BS EN IEC 60793-2-50:2019 Optical fibres. Product specifications. Sectional specification for class B single-mode fibres
Y71	D2.6.50		New Addition	BS EN IEC 60051-5:2018 Direct acting indicating analogue electrical measuring instruments and their accessories. Special requirements for phase meters, power factor meters and synchrosopes
Y71	D2.6.50		New Addition	BS EN IEC 60051-8:2018 Direct acting indicating analogue electrical measuring instruments and their accessories. Special requirements for accessories
Y73	D2.2.50	BS EN 60061-1:1993 Specification for lamp caps and holders together with gauges for the control of interchangeability and safety. Lamp caps	Amendment 57	BS EN 60061-1:1993+A57:2018 Lamp caps and holders together with gauges for the control of interchangeability and safety. Lamps caps
Y73	D2.2.50	BS EN 60061-2:1993 Specification for lamp caps and holders together with gauges for the control of	Amendment 54	BS EN 60061-2:1993+A54:2018 Lamp caps and holders together with gauges for the control of

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CAWS	BG 56			
		interchangeability and safety. Lampholders		interchangeability and safety. Lampholders
Z Part 2	C1.8.10	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	Withdrawn, Superseded	BS EN ISO 15494:2018 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
Z Part 2	C1.8.10		New Addition	BS ISO 10508:2006+A1:2018 Plastics piping systems for hot and cold water installations. Guidance for classification and design
Z Part 2	C1.4.470		New Addition	BS EN ISO 29463-2:2018 High-efficiency filters and filter media for removing particles in air. Aerosol production, measuring equipment and particle-counting statistics
Z Part 2	C1.4.470		New Addition	BS EN ISO 29463-3:2018 High-efficiency filters and filter media for removing particles in air. Testing flat sheet filter media
Z Part 2	C1.4.470		New Addition	BS EN ISO 29463-4:2018 High-efficiency filters and filter media for removing particles in air. Test method for determining leakage of filter elements. Scan method
Z Part 2	C1.4.470		New Addition	BS EN ISO 29463-5:2018 High-efficiency filters and filter media for removing particles in air. Test method for filter elements

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CAWS	BG 56			
Z Part 2	C1.10.20		New Addition	PD CEN/TS 17153:2018 Ventilation for buildings. Correction of air flow rate according to ambient conditions