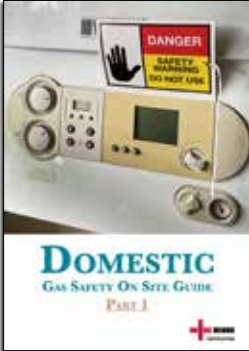
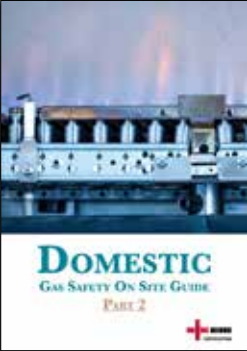


Title: Domestic Gas Safety On Site Guide (2 x Part Guide; Parts 1 and 2)				
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General Overview of Changes:

Chapter/Clause	Amendments
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Editorial – Every chapter of Version 11 of the Domestic Gas Safety On Site Guide sees light touches associated with editorial improvements; from adding coloured tab’s to each Chapter in response to feedback from training providers, updating references that have been amended since the Guide was last published (revisions to BS 5440-1 & 2 are discussed in greater detail in Chapters 4 & 11), to general readability changes to improve clarity of the information provided.

These editorial changes are in addition to the technical changes listed below for Parts 1 and 2 of the Guide -

Chapter 1; 1.6	Wording clarified in response to the governments decision to continue to recognise CE marking indefinitely alongside the UKCA/UKNI assurance marks.
Chapter 2; Figure 2.1	Map of the UK has been updated to better reflect the Shetlands under the Shetland mapping requirement of <i>The Islands (Scotland) Act 2018</i> .
Chapter 3; Table 3.3	A CO/CO ₂ ratio was missing for combination boilers with air/gas ratio control valves. This has been rectified with the entry as per other central heating boilers of 0.0004
Chapter 4; Reference	BS 5440-1 (Chimneys/flues) and BS 5440-2 (Ventilation) have been update; This Chapter of the Guide deals with ventilation i.e., part 2 of BS 5440.
Chapter 4; 4.3.4	Note added regarding building regulations no longer discussing passive stack ventilation (PSV) systems for wet areas (excluding Northern Ireland who work to older technical documents). For England, Wales and Scotland - use of mechanical systems, either intermittent or continuous extraction in combination with other ventilation provisions are required for these areas.

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Title: Domestic Gas Safety On Site Guide (2 x Part Guide; Parts 1 and 2)

General Overview of Changes - Continued:

Chapter/Clause	Amendments
Chapter 4; 4.6.2	Information with regards to internal kitchens i.e., habitable areas/kitchens has been updated; one to correct an error with regards to Northern Ireland that in Figure 4.13 showed a background provision of 10,000 mm ² when it should have been 8,000 mm ² . Secondly, to include more information on openings within Figure 4.13. The previous information in Figure 4.14 is a duplication of Figure 4.13 and therefore, redundant and has been deleted (this is also reflected in Approved Documents (England & Wales)). All subsequent figures have had their numbering altered to reflect the removal of Figure 4.14.
Chapter 4; Table 4.3 & 4.4	Notes added to foot of tables regarding multiple appliances in a compartment and the need to size ventilation on the combined total maximum heat input (kW).
Chapter 5; 5.3	Further information included within various Chapters of the Guide regarding IGEM/G/13. Text added that corresponds to a symbol inserted next to '21 mbar' advising of the impact of IGEM/G/13 which may see a reduce pressure at the outlet of the meter of 18.5 mbar.
Chapter 6; introduction & 6.3	As with Chapter 5, implications of IGEM/G/13 on outlet working (operating) pressures possibly being as low as 18.5 mbar are highlighted by the inclusion of a symbol against '21 mbar' and associated text.
Chapter 7; 7.2.1, 7.2.2 & 7.3	As with chapters 5 & 6, text added regarding the implications of IGEM/G/13 on outlet pressures and the need for the reader to also refer to Chapter 20 for greater detail on IGEM/G/13 requirements. Previous paragraph at the end of 7.3 regarding the pressure profile and how it is affected by small or large demands when being set has been deleted.
Chapter's 14; 16; 17; 18; 19; 21	Minor amend to 11.4 to include the latest requirement of UKCA/UKNI marking in addition to/or replacement of CE marking.
Chapter 9; 9.1.2	Small amendment to illustrate that a 1 minute test is acceptable, if so desired, when gas rating in accordance with Gas Safe TB 162. It is important to stress that this reduction in test time from two minutes to one is voluntary, and may prove more beneficial whilst maintaining accuracy when dealing with large heat input appliances as less gas is used when gas rating an appliance.
Chapter 11; Table 11.3	dm ³ column replaced with m ³ column to reflect changes in BS 5440-1.
Chapter 11; 11.4	As per BS 5440-1, revised minimum height from the chimney outlet to the ground has been rationalised for both natural draught and fanned draught room sealed chimneys so that they are both 2.0 m (previously natural draught required 2.1 m with fanned draught at 2.0 m).

Title: Domestic Gas Safety On Site Guide (2 x Part Guide; Parts 1 and 2)

General Overview of Changes - Continued:

Chapter/Clause	Amendments
Chapter 11; 11.7.2	Information on shunt duct systems has been revised as these systems aren't discussed in any detail within the revised BS 5440-1; relevant information is retained for existing systems, but some information has been removed including Table 11.4 showing maximum number of appliances connected to a shunt duct system. Removal of table 11.4 means all following tables have been renumbered.
Chapter 11; 11.11 Figure 11.49 & Table 11.5	Figure revised to show more information on chimney/flue clearances that replaces some information previously contained within other illustrations. Accompanying table, Table 11.5 (was table 11.6) has been amended to reflect the information in Figure 11.49. A new Table 11.6 added with additional information – a simple checklist when considering suitable chimney locations as per Annex D of BS 5440-1.
Chapter 11; Figure 11.50	Older Figure 11.50 showing flue outlet positions in relation to a boundary is now included in figure 11.49 (old Fig. 11.50 deleted). All following figures renumbered.
Chapter 14; 14.2	Sign posting text added regarding Gas Safe TB 014 (B) and competencies for individual boilers who's rating is less than 70 kW but installed as a group with an aggregate greater than 70 kW. New sub-clause added at the end of the chapter regarding this (14.11.4).
Chapter 14; 14.11.1 & 2	New point 6.4 added regarding the need for CO alarms in rented properties for England & Wales and for ALL homes in Scotland & Northern Ireland (excluding gas cookers). Also highlights that CO alarms are not a substitute for servicing and maintenance.
Chapter 14; 14.11.3	New text on combustion analysis of condensing boilers as per Gas Safe TB 143, includes a flowchart shown over two pages.
Chapter 14; 14.11.4	New text on installing, servicing and maintaining domestic gas appliances in different environments as per Gas Safe TB 014 (B), includes a flowchart and a small table.
Chapter 14; 14.11.5	New text on requesting a concession to manufacturer's instructions, as per Gas Safe TB 158, includes a flowchart and an example of the form that is to be completed and provided to a manufacturer and recorded with Gas Safe where a concession is agreed.
Chapter 16; 16.7.1	Minor amend to wording for intermittent extraction i.e., a cooker hood - 60 & 30 l/s remains unchanged but different terminology is used within the 4 nations of the UK.
Chapter 16; 16.14 & 16.15	Text added to points 6.3 & 6.4 respectively to highlight that cookers are excluded from the legal provisions of CO alarms for rented (England & Wales) and ALL homes (Scotland & Northern Ireland).
Chapter 17, 17.3 & 17.11	Text regarding the 'British System Design Manual for gas-fired warm air heating' has been deleted as this publication is no longer in print.

Title: Domestic Gas Safety On Site Guide (2 x Part Guide; Parts 1 and 2)

General Overview of Changes - Continued:

Chapter/Clause	Amendments
Chapter 17, 17.13	As with previous chapters, point 6.4 extended to advise of the need for CO alarms for rented (England & Wales) and ALL homes (Scotland & Northern Ireland).
Chapter 18; Figure 18.26	Minor amend to correct and extend red horizontal dotted line as used for the example to indicate the height of opening - it was shown too short, confusing the issue.
Chapter 18; 18.9 & 18.10	Point 10. text added regarding IGEM/G/13 and its impact + information on the requirement of CO alarms for the rented (England & Wales) and ALL homes (Scotland & Northern Ireland)
Chapter 19; 19.14 & 19.15	As with previous chapters, point 5.3 extended to advise of the need for CO alarms for rented (England & Wales) and ALL homes (Scotland & Northern Ireland).
Chapter 20; 20.1	Updated information on Ofgem, GEMA, and replacement of old CoP 1a, 1b and 1c with the Retail Energy Code (REC).
Chapter 20; 21.13	Point 3.3 addition of text regarding IGEM/G/13 & point 5.3 regarding CO alarms
Chap 23; 23.2.3.1	Amendment regarding make-up air - from 85 % to being between 75 % and 95 % of the total ventilation needs of the kitchen