



Fire Systems: British Standards, NSI Codes of Practice and other requirements

Approval by NSI requires audits against industry recognised British Standards and/or Codes of Practice and other requirements. Before audits for approval can take place, companies should ensure they have access to and are working in accordance to the appropriate requirements, where applicable, as listed below.

1. Fire Detection & Alarm Systems	
BS 5839-1:2017	Code of Practice for System Design, Installation, Commissioning & Maintenance of Systems in Non-Domestic Premises
BS 5839-6:2019+A1:2020	Code of Practice for the Design, Installation & Maintenance of Fire Detection and Alarm Systems in Domestic Premises
FIA Aspirating Systems Code (Issue 3)	Code of Practice for Design, Installation, Commissioning & Maintenance of Aspirating Smoke Detector (ASD) Systems
Loss Prevention Code of Practice CoP 0001	Code of Practice for Visual Alarm Devices Used for Fire Warning (<i>available for download from the FIA website at https://www.fia.uk.com/</i>)
BS 7273-4:2015	Code of Practice for the Operation of Fire Protection Measures Actuation of Release Mechanisms for Doors
BS 7273-6:2019	Code of Practice for the Operation of Fire Protection Measures. Fire Detection and Fire Alarm Systems. Interface with Ancillary Systems and Equipment
Health Technical Memorandum HTM05-03: Operational provisions Part B – Fire detection and alarm systems in NHS Healthcare premises <i>(Note: Applicable in England & Wales)</i>	Please note that this is a Department of Healthcare publication available from: https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/148477/HTM_05-03_Part_B.pdf
Scottish Health Technical Memorandum SHTM 82 Fire alarm and detection systems in NHS Scotland Healthcare premises	Please note that this is a Health Facilities Scotland publication available from: http://www.hfs.scot.nhs.uk/publications/1476431812-SHTM%2082%20v4.0%20April%202013.pdf
BAFE SP203-1	Fire Protection Industry Scheme for the Design, Installation, Commissioning & Maintenance of Fire Detection and Fire Alarm Systems

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<i>Document classification</i>	PUBLIC (RESTRICTED)			Page 1 of 4	

2. Fire Detection & Alarm Systems (Optional to Hold)	
BS 7671:2018	Requirement for Electrical Installations (IET Wiring Regulations) – 18th edition OR the IET On Site Guide
3. Fixed Gaseous Fire Suppression Systems	
BS EN 15004-1:2019	Fixed firefighting systems. Gas extinguishing systems. Design, Installation & Maintenance
BS EN 15004-2:2008	Fixed firefighting systems. Gas extinguishing systems. Physical properties and system design of gas extinguishing systems for FK-5-1-12 extinguishant
BS EN 15004-2:2020	Fixed firefighting systems. Gas extinguishing systems. Physical properties and system design of gas extinguishing systems for FK-5-1-12 extinguishant
BS EN 15004-3:2008	Fixed firefighting systems. Gas extinguishing systems. Physical properties and system design of gas extinguishing systems for HCFC Blend A extinguishant
BS EN 15004-4:2008	Fixed firefighting systems. Gas extinguishing systems. Physical properties and system design of gas extinguishing systems for HFC 125 extinguishant
BS EN 15004-4:2020	Fixed firefighting systems. Gas extinguishing systems. Physical properties and system design of gas extinguishing systems for HFC 125 extinguishant
BS EN 15004-5:2008	Fixed firefighting systems. Gas extinguishing systems. Physical properties and system design of gas extinguishing systems for HFC 227ea extinguishant
BS EN 15004-5:2020	Fixed firefighting systems. Gas extinguishing systems. Physical properties and system design of gas extinguishing systems for HFC 227ea extinguishant
BS EN 15004-6:2008	Fixed firefighting systems. Gas extinguishing systems. Physical properties and system design of gas extinguishing systems for HFC 23 extinguishant
BS EN 15004-6:2020	Fixed firefighting systems. Gas extinguishing systems. Physical properties and system design of gas extinguishing systems for HFC 23 extinguishant
BS EN 15004-7:2017	Fixed firefighting systems. Gas extinguishing systems. Physical properties and system design of gas extinguishing systems for IG-01 extinguishant
BS EN 15004-8:2017	Fixed firefighting systems. Gas extinguishing systems. Physical properties and system design of gas extinguishing systems for IG-100 extinguishant

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<i>Document classification</i>	PUBLIC (RESTRICTED)			Page 2 of 4	

BS EN 15004-9:2017	Fixed firefighting systems. Gas extinguishing systems. Physical properties and system design of gas extinguishing systems for IG-55 extinguishant
BS EN15004-10:2017	Fixed firefighting systems. Gas extinguishing systems. Physical properties and system design of gas extinguishing systems for IG-541 extinguishant
BS 7273-1:2006	Code of Practice for the operation of fire protection measures. Electrical actuation of Gaseous total flooding extinguishing systems
BS 6266:2011	Code of Practice for the Fire Protection for Electronic Equipment Installations
BAFE SP203-3	Fire Protection Industry Scheme for the Design, Installation, Commissioning & Maintenance of Fixed Gaseous Fire Suppression Systems
4. Emergency Lighting	
BS 5266-1:2016	Emergency lighting. Code of Practice for the Emergency Lighting of premises
BS EN 1838:2013	Lighting applications. Emergency lighting
BS EN 50172:2004/ BS 5266-8:2004	Emergency escape lighting systems
BAFE SP203-4	Fire Protection Industry Scheme for the Design, Installation, Commissioning & Maintenance of Emergency Lighting Systems
5. Portable Fire Extinguishers	
BS 5306-3:2017	Code of Practice for the Commissioning & Maintenance of Portable Fire Extinguishers
BS 5306-8:2012	Code of Practice for Selection & Installation of Portable Fire Extinguishers
BS 5306-9:2015	Code of Practice for recharging of portable fire extinguishers
BAFE SP101 Part 1	Specification for the Application of the Standard for Maintenance of Portable Fire Extinguishers incorporating Fire Extinguisher Service Technicians Scheme
6. NSI Fire Gold Approval	
In addition to the above industry Standards, the following will be required:	
BS EN ISO 9001	Quality Management System
7. NSI Quality Schedules	
These documents give guidance on the application of ISO 9001 depending on the specific BAFE Scheme. The documents can be found on the NSI website.	

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<i>Document classification</i>	PUBLIC (RESTRICTED)			Page 3 of 4	

FSQS121	Fire Detection & Alarm Systems/Fixed Gaseous Fire Suppression Systems
ELSQS 122	Emergency Lighting
8. Purchasing British Standards	
<p>BSI Standards on Subscription Service provides electronic access to British Standards related to NSI Approval Schemes. This 'view' only access provides preferential rates when compared with purchasing individual standards or hard copies (please see the 'Terms and Conditions' on the NSI Standards request form). This service is available to all NSI Approved Companies and Applicants who are in the process of applying for NSI Approval and meet the criteria. For further information, or to subscribe, please go to 'Access to Standards'. Alternatively, email us on: accounts@nsi.org.uk</p>	
9. Access to NSI Codes of Practice	
<p>NSI Codes of Practice and other documents are available:</p> <ul style="list-style-type: none"> • from the Application Download Zone on the NSI website; • from the secure log-in area for NSI Approved companies on the NSI website; or • by emailing nsi@nsi.org.uk and requesting an electronic copy. 	

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