



Fire precautions in the design, construction and use of buildings

Part 0. Guide to fire safety codes of practice for particular premises/applications

ICS 13.220.20; 91.040

Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee FSH/14, Fire precautions in buildings, upon which the following bodies were represented:

Association of Building Engineers
 Association of Metropolitan Authorities
 British Gas plc
 British Retail Consortium
 British Standards Society
 British Telecommunications plc
 Chartered Institution of Building Services Engineers
 Chief and Assistant Chief Fire Officers' Association
 Consumer Policy Committee of BSI
 Department for Education
 Department of Health
 Department of the Environment (Building Research Establishment)
 Department of the Environment (Property and Buildings Directorate)
 Department of the Environment for Northern Ireland
 District Surveyors' Association
 Electricity Association
 Fire Brigades Union
 Health and Safety Executive
 Hevac Association
 Home Office
 Institute of Building Control
 Institution of Gas Engineers
 Institution of Structural Engineers
 London Fire and Civil Defence Authority
 Loss Prevention Council
 National Association of Fire Officers
 National Council of Building Material Producers
 Royal Institute of British Architects
 Royal Institution of Chartered Surveyors
 Scottish Office (Building Directorate)
 Timber Research and Development Association

The following bodies were also represented in the drafting of the standard, through subcommittees and panels:

Access Committee for England
 Association of British Theatre Technicians
 British Automatic Sprinkler Association
 British Woodworking Federation
 Cinema Exhibitors' Association
 Flat Glass Manufacturers' Association
 Guild of Architectural Ironmongers
 Institute of Fire Safety
 Institution of Fire Engineers
 Intumescent Fire Seals Association
 National House Building Council
 Steel Window Association
 Theatres Advisory Council

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Foreword

This guide was prepared under the direction of Technical Committee FSH/14 and identifies the various documents dealing with fire safety. Annex A provides a list of former regulations, codes of practice, standards and guides pertaining to all kinds of premises, including residential, commercial and industrial and, where applicable, gives details of current legislation and publications which have superseded or replaced them.

The other Parts which comprise BS 5588 are as follows.

- Part 1 *Code of practice for residential buildings*
- Part 2 *Code of practice for shops*¹⁾
- Part 3 *Code of practice for office buildings*¹⁾
- Part 4 *Code of practice for smoke control in protected escape routes using pressurization*
- Part 5 *Code of practice for firefighting stairs and lifts*
- Part 6 *Code of practice for places of assembly*
- Part 7 *Code of practice for incorporation of atria in buildings*²⁾
- Part 8 *Code of practice for means of escape for disabled people*
- Part 9 *Code of practice for ventilation and air conditioning ductwork*
- Part 10 *Code of practice for shopping complexes*
- Part 11 *Code of practice for shops, offices, industrial, storage and other non-residential buildings*²⁾

Compliance with a British Standard does not of itself confer immunity from legal obligations.

¹⁾ Part 11 will incorporate revisions of BS 5588 : Parts 2 and 3 which will be withdrawn when Part 11 is published.

²⁾ In preparation.

Guide

1 Scope

This Part of BS 5588 lists published guidance on fire safety for particular premises/applications.

2 Use of this guide

2.1 Sources of information

The various codes, guides and other documents available are shown in tables 1 to 5.

Table 1 identifies those which deal with residential buildings; tables 2 and 3 with non-residential buildings; table 4 special applications; and table 5 flammable substances.

Each of the documents listed in the tables is described in clauses 3 to 14. Before using (or purchasing) any document listed, the reader should ensure that they have (or obtain) the latest version, as many of these are constantly under review.

NOTE 1. HMSO publications (except HSE) are available from HMSO Publications Centre, PO Box 276, London SW8 5DT (telephone 0171 873 9090 (orders), 0171 873 0011 (enquiries)). They may also be obtained through HMSO accredited agents or any good bookseller.

NOTE 2. HSE publications are available by mail order from HSE Books, PO Box 1999, Sudbury, Suffolk CO10 6FS (telephone 01787 881165). HSE priced publications are also available from bookstores nationwide.

2.2 Key to tables 1 to 5

- ¶ Clause numbers 3 to 14
- * Appropriate for new buildings/alterations
- † Appropriate for existing buildings/buildings in use
- ‡ Appropriate for new buildings/alterations and existing buildings/buildings in use
- § Referred to in Approved Document B.

2.3 Statutory provisions

The designer/project manager should consult the fire authority and/or the building authority to make certain the building will meet any requirements those authorities may make — particularly in those cases where a fire certificate or licence exists (or may be necessary).

3 Arson Prevention Bureau

NOTE. The following publications are available from the Arson Prevention Bureau, Melrose Avenue, Borehamwood, Herts WD6 2BJ.

3.1 Educational buildings

ARSON PREVENTION BUREAU. *How to combat arson in schools*. London: Arson Prevention Bureau, 1993.

The guide explains how the problem of arson should be addressed within the wider context of risk management. It includes two checklists dealing with 'Strategy for head teachers' and 'Guidance for responsible members of staff'.

3.2 Factories, offices and shops

a) ARSON PREVENTION BUREAU. *Prevention and control of arson in industrial and commercial premises*. London: Arson Prevention Bureau, 1992.

The guide is intended to assist the management of companies whose premises may be at risk together with their safety and security staff and insurance surveyors.

b) ARSON PREVENTION BUREAU. *Prevention and control of arson in retail premises. A management guide*. London: Arson Prevention Bureau, 1995.

The guide is intended for senior management and policy makers in the retail trade and for their risk management, fire and security advisers as well as for those in the fire and police services and insurance concerned with retail fire safety.

3.3 Places of assembly

ARSON PREVENTION BUREAU. *Arson. The major fire threat to places of worship ... and how to prevent it*. Borehamwood: Arson Prevention Bureau, 1995.

The leaflet includes guidance on how to assess the risk of arson and lists 24 ways of preventing it.

4 British Standards Institution

NOTE. See back cover for information on how to obtain copies of BSI publications.

4.1 Agricultural buildings

BRITISH STANDARDS INSTITUTION. *Buildings and structures for agriculture. Code of practice for fire precautions*. British Standard BS 5502 : Part 23 : 1990. London: BSI, 1990. (ISBN 0 580 18396 3)

The code gives recommendations for fire precautions for single storey agricultural buildings and structures which are exempted under building regulations and which are used for the purposes of horticulture, crop and livestock farming. It is not applicable to those buildings used for the storage of explosives or commercial quantities of chemicals.

4.2 Air supported structures

BRITISH STANDARDS INSTITUTION. *Guide for design, construction and maintenance of single-skin air supported structures*. British Standard BS 6661 : 1986. London: BSI, 1986. (ISBN 0 580 14780 0)

The guide applies to structures up to 40 m × 120 m nominal size. Safety recommendations are included for the grading of such structures into distinct classes based on occupancy and use.

Table 1. Residential buildings/premises						
Document ¶	Houses, flats and maisonettes	House in multiple occupation (HMOs)	Hospitals	Prisons	Residential care premises	Hotels/boarding houses
4.6 b)* [¶] Dwellings — BSI — Residential buildings	●					
6.1* Building regulations 1991 — DOE/Welsh Office	●		●		●	●
6.4 a)† Houses in multiple occupation — DOE		●				
6.4 b)† Houses in multiple occupation — Welsh Office		●				
7.1* Building Regulations — DOE for Northern Ireland	●		●		●	●
7.3‡ Residential care premises — Estates Services Directorate — Northern Ireland Firecode					●	
8.1‡ Arson prevention and control — NHS Estates			●			
8.2‡ Atrium buildings — NHS Estates			●			
8.3‡ Commercial enterprises — NHS Estates			●			
8.4† [¶] Dwellings — DHSS — NHS housing for mentally handicapped or ill	●				●	
8.5* Escape bed lifts — DHSS			●			
8.6 a)‡ Flammable substances — DHSS/Welsh Office			●			
8.6 b)‡ Medical gas pipeline systems — NHS Estates			●			
8.7 a)† Policy and principle — NHS Estates			●			
8.7 b)† Health care premises — NHS Estates			●			
8.8 a)* [¶] New hospitals — NHS Estates			●			
8.8 b)† Precautions in existing hospitals — NHS Estates			●			
8.8 c)† Risk assessment in hospitals — NHS Estates			●			
8.9‡ Hospital main kitchens — NHS Estates			●			
8.10 Laboratories — NHS Estates			●			
8.11‡ Laundries — DHSS/Welsh Office			●			
8.12‡ Patient hotels — NHS Estates						●
8.13‡ Textiles and furniture — NHS Estates			●			
10.2† [¶] Hospitals and residential care premises — Home Office/Scottish Home and Health Department					●	
10.3 a)† Hotels — Home Office/Scottish Home and Health Department — Hotels and boarding houses requiring fire certificate						●
10.3 b)† Hotels — Home Office/Scottish Office/Fire Protection Association — Hotels and boarding houses						●
10.6 a)† HM Prison Service — Fire precautions manual				●		
10.6 b)* HM Prison Service — Design briefing system				●		
10.6 c)* HM Prison Service — Principles of design and standards of construction				●		
11.3* General — GLC	●					●
11.4† Hotels — GLC						●
13.1* Building Regulations — Scottish Office	●	●	●		●	●
13.4 a)* Hospitals and residential care premises — Scottish Education Department — Small group homes					●	
13.4 b)† Hospitals and residential care premises — Scottish Education Department — Residential homes for elderly					●	
13.4 c)* Hospitals and residential care premises — Scottish Home and Health Department — New health buildings in Scotland			●			

Document ¶	Houses, flats and maisonettes	House in multiple occupation (HMOs)	Hospitals	Prisons	Residential care premises	Hotels/boarding houses
13.4 d) Hospitals and residential care premises — Scottish Home and Health Department — Firecode in Scotland: policy and principles			●			
13.5 † Houses in multiple occupation — Scottish Home and Health Department		●				
13.7 a)* Prisons — Scottish Prison Service — Code of practice for new and existing buildings				●		
13.7 b)* Prisons — Scottish Prison Service — Building control				●		
13.7 c) † Prisons — Scottish Prison Service — Fire safety management				●		
14.4 a) † Dwellings — Chief and Assistant Chief Fire Officers' Association	●					
14.4 b) ‡ Dwellings — The Child Accident Prevention Trust	●					●

Document ¶	Offices	Shops	Shopping centres and markets	Assembly	Education	Sport
3.1 ‡ Educational buildings — Arson Prevention Bureau — How to combat arson in schools					●	
3.2 a) ‡ Factories, offices and shops — Arson Prevention Bureau — Industrial and commercial premises		●				
3.2 b) ‡ Factories, offices and shops — Arson Prevention Bureau — Retail premises		●				
3.3 † Places of assembly — Arson Prevention Bureau — Places of worship				●		
4.7a)* ‡ Offices and shops — BSI — Shops		●				
4.7 b)* ‡ Offices and shops — BSI — Offices	●					
4.8)* ‡ Places of assembly — BSI				●		
4.9) ‡ Shopping complexes — BSI			●			
5.1) ‡ Design of educational buildings — DEE					●	
5.2) ‡ Laboratories — DEE					●	
6.1* Building Regulations — DOE and Welsh Office	●	●	●	●	●	●
7.1* Building Regulations — DOE for Northern Ireland	●	●	●	●	●	●
7.2 a) † Places of assembly — DOE for Northern Ireland — Building Regulations				●		
7.2 b) † Places of assembly — DOE for Northern Ireland — Building Regulations — Technical requirements				●		
9.5 a) † Places of assembly — HSE — Electrical safety places of entertainment				●		
9.5 b) † Places of assembly — HSE — Fairgrounds and amusement parks				●		
9.5 c) † Places of assembly — HSC/Home Office/Scottish Office — Pop concerts and similar events				●		
9.5 d) † Places of assembly — RM Consultants — Crowd safety				●		●
10.1 a) † ‡ Factories, offices, shops and railway premises — Home Office/Scottish Office — Existing places of work etc. that require fire certificate	●	●	●			

Document ¶	Offices	Shops	Shopping centres and markets	Assembly	Education	Sport
10.1 b)† Factories, offices, shops and railway premises — Home Office/Scottish Office — Existing places of work etc. that do not require fire certificate	●	●	●			
10.1 c)† Factories, offices, shops and railway premises — Home Office/Scottish Home and Health Dept — Fire safety at work	●	●	●			
10.4† Places of assembly — Home Office/Scottish Home and Health Dept — Fire precautions existing places of entertainment				●		
10.7† Sports grounds — Home Office/Scottish Office						●
11.3* General — GLC	●	●		●		
11.5* Offices — London District Surveyors Association	●					
11.6 a)† Halls for stage presentations — GLC				●		
11.6 b)† Model rules for places of public entertainment — London District Surveyors Association/Association of London Chief Environmental Health Officers				●		
11.6 c)‡ Model regulations for places of public entertainment — London District Surveyors Association/London Fire Brigade/GLC — General				●		
11.8 Sports grounds — London District Surveyors Association						●
13.1* Building Regulations — Scottish Office	●	●	●	●	●	●
13.2* Educational Buildings — Scottish Office					●	
14.8‡ Miscellaneous — Markets			●			
14.9† Miscellaneous — Places of assembly — Occasional licences theatre				●		
14.10 a)† Sports grounds — Seating						●
14.10 b)* Sports grounds — Spectators with disabilities						●
14.10 c)† Sports grounds — ISE appraisal						●

Document ¶	Factories	Agricultural	Warehouses	Car parks
3.2 a)‡ Factories, offices and shops — Arson Prevention Bureau — Industrial and commercial premises	●		●	
4.1* Agricultural buildings — BSI		●		
4.3* Chemical industries — BSI	●			
6.1* Building regulations — DOE and Welsh Office	●		●	●
7.1* Building regulations — DOE	●		●	●
9.3 b)† Industrial — HSE — Premises subject to Fire Certificates	●			
9.3 c)‡ Industrial — HSE — Explosives factories and magazines	●		●	
9.3 d)† Industrial — HSE — Printing industry	●			
10.1 a)†† Factories, offices, shops and railways — Home Office/Scottish Office — Places of work that require a fire certificate	●			
10.1 b)† Factories, offices, shops and railways — Home Office/Scottish Home and Health Dept — Places of work that do not require a fire certificate	●			
10.1 c)† Fire Precautions Act 1971 — Home Office/Scottish Home and Health Dept	●			
10.8 a)* Single-storey spirit storages and associated buildings — Home Office/Scottish Home and Health Dept			●	
10.8 b)‡ Automated warehouses — Home Office/Scottish Home and Health Dept			●	
11.3* General — GLC	●		●	●

Document ¶	Factories	Agricultural	Warehouses	Car parks
12.4‡ Warehouses — Loss Prevention Council			●	
13.1* Building Regulations — The Scottish Office	●	●	●	●
14.1 a)† Miscellaneous — Agricultural buildings — Ministry of Agriculture, Fisheries and Food		●		
14.1 b)† Miscellaneous — Farms — NFU		●		
14.3* Miscellaneous — Car parks — Association for Petroleum and Explosives Administration				●
14.11* Miscellaneous — High bay warehouses			●	

Document ¶	General	Arson	Atria	Buildings under construction	Disabled people
3.1‡ Educational buildings — Arson Prevention Bureau		●			
3.2 a)‡ Factories, offices and shops — Arson Prevention Bureau		●			
3.2 b)‡ Retail premises — Arson Prevention Bureau		●			
3.3† Places of worship — Arson Prevention Bureau		●			
4.2‡ Air-supported structures — BSI	● ¹⁾				
4.4* Computer installations — BSI	● ²⁾				
4.5‡‡ Means of escape for disabled people — BSI					●
6.2* Contractors at Crown Civil and Defence Estates — DOE/Ministry of Defence/Home Office				●	
8.1‡ Arson prevention and control in NHS health care premises — NHS Estates		●			
8.2‡ Atria on hospital premises — NHS Estates			●		
11.1* Atrium buildings — London District Surveyors Association			●		
11.2* Buildings of excess height — London District Surveyors Association	● ³⁾				
12.1* Buildings under construction — Building Employers Confederation/Loss Prevention Council/National Contractors' Group				●	
14.1 b)† Farm — NFU		●			
14.6 a) Design principles of fire safety — Bickerdike Allen Partners	● ⁴⁾				
14.6 b)* Thatched roofs — Society for the Protection of Ancient Buildings/Council for Small Industries in Rural Areas	● ⁵⁾				
14.10 a)* Football stadia — The Football Stadia Advisory Design Council					●
<p>1) air supported structures 2) computer installations 3) buildings of excess cube/height 4) design principles 5) thatch</p>					

Table 4. Special applications (concluded)				
Document ¶	General	Historic buildings	Services	Transport premises
4.6 a)* Mobile homes — BSI	● ⁶⁾			
4.10 a)* [§] Smoke control in protected escape routes using pressurization — BSI			●	
4.10 b)* [§] Firefighting stairs and lifts — BSI	● ⁷⁾			
4.10 c)* [§] Ventilation and air conditioning ducts — BSI			●	
4.10 d)* [§] Building services in ducts — BSI			●	
5.2‡ Science laboratories — DES	● ⁸⁾			
6.3† Historic buildings — The Conservation Unit, DOE		●		
8.5* Escape bed lifts — DHSS/Welsh Office			●	
8.10 Laboratories — NHS Estates	● ⁸⁾			
9.1* Buildings under construction — HSE	● ⁹⁾			
9.3 a)* Industrial — HSE — Vehicle finishing units: fire and explosion hazards	● ¹⁰⁾			
9.4‡ Petrol filling stations — HSE	● ¹¹⁾			
10.1 a)† [§] Factories, offices, shops and railway premises — Home Office/Scottish Office — Places of work that require a fire certificate				●
10.1 b)† Factories, offices, shops and railway premises — Home Office/Scottish Office — Places of work that do not require a fire certificate				●
10.1 c)† Factories, offices, shops and railway premises — Scottish Home and Health Dept				●
10.5‡ Police buildings — Home Office	● ¹²⁾			
11.7† Railway premises — London Fire Brigade/British Rail/Home Office/Scottish Office				●
12.2† Historic buildings — The United Kingdom Working Party on Fire Safety in Historic Buildings		●		
12.3† Insurance requirements	● ¹³⁾			
13.3† Historic buildings — Historic Scotland/Dept of National Heritage		●		
13.6 Police buildings — Scottish Home and Health Dept	● ¹²⁾			
14.2* Airport buildings — British Airports Authority				●
14.7 a)† Historic Buildings — A.C. Parnell — Building legislation and historic buildings		●		
14.7 b)† Historic Buildings — Dept of National Heritage		●		
⁶⁾ mobile homes ⁷⁾ firefighting stairs & lifts ⁸⁾ laboratories ⁹⁾ site huts ¹⁰⁾ vehicle finishing units ¹¹⁾ petrol filling stations ¹²⁾ police buildings ¹³⁾ insurance rules of construction				

Document ¶	Gases	Liquids	LPG	Reactive	Solids
8.6 a) Flammable substances (storage and use) — DHSS/Welsh Office		●			
8.6 b) Flammable substances (storage and use) — NHS Estates	●				
9.2 a) Flammable substances (storage and use) — DOE		●	●		
9.2 b) Flammable substances (storage and use) — HSE — Storage and industrial use of cellular plastics					●
9.2 c) Flammable substances (storage and use) — HSE — Polyurethane foam					●
9.2 d) Flammable substances (storage and use) — HSE — Highly flammable liquids in the paint industry		●			
9.2 e) Flammable substances (storage and use) — HSE — Small scale storage and display of LPG at retail premises			●		
9.2 f) Flammable substances (storage and use) — HSE — Storage and use of sodium chlorate and other strong oxidants				●	
9.2 g) Flammable substances (storage and use) — HSE — Storage and handling of ammonium nitrate				●	
9.2 h) Flammable substances (storage and use) — HSE — Keeping of LPG cylinders and similar containers			●		
9.2 i) Flammable substances (storage and use) — HSE — Storage of LPG at fixed installations			●		
9.2 j) Flammable substances (storage and use) — HSE — Storage of flammable liquids in containers		●			
9.2 k) Flammable substances (storage and use) — HSE — Storage of flammable liquids in fixed tanks (up to 10,000 m ³)		●			
9.2 l) Flammable substances (storage and use) — HSE — Storage of flammable liquids in fixed tanks (over 10,000 m ³)		●			
9.2 m) Flammable substances (storage and use) — HSE/Home Office/Scottish Office — Assessment of fire hazards from solid materials and precautions required for safe storage and use					●
9.2 n) Flammable substances (storage and use) — HSE — Storage and handling of organic peroxide				●	
9.2 o) Flammable substances (storage and use) — HSE — Storage of packaged dangerous substances				●	
9.2 p) Flammable substances (storage and use) — HSE — Safe handling of combustible dusts: precautions against explosion					●
9.2 q) Flammable substances (storage and use) — HSE — Storage and handling of industrial nitrocellulose				●	
14.5 a) Flammable substances (storage and use) — British Aerosol Manufacturers' Association — Storage of aerosols in manufacturing, wholesaling warehouses and retail stores	●				
14.5 b) Flammable substances (storage and use) — British Compressed Gases Association — Storage of gaseous hydrogen in seamless cylinders and similar containers	●				
14.5 c) Flammable substances (storage and use) — British Compressed Gases Association — Storage of gases in transportable cylinders intended for industrial use	●				
14.5 d) Flammable substances (storage and use) — British Compressed Gases Association — Storage, handling and use of special gases in micro-electronics industry	●				
14.5 e) Flammable substances (storage and use) — Institute of Petroleum — Petroleum refineries and bulk storage installations		●			
14.5 f) Flammable substances (storage and use) — Institution of Gas Engineers — Precautions for buildings in the gas industry	●				
14.5 g) Flammable substances (storage and use) — Liquefied Petroleum Gas Association — Installation and maintenance of fixed bulk LPG storage at consumers' premises. Small bulk installations for domestic purposes			●		
14.5 h) Flammable substances (storage and use) — Liquefied Petroleum Gas Association — Use of LPG cylinders			●		

4.3 Chemical industries

BRITISH STANDARDS INSTITUTION. *Code of practice for fire precautions in the chemical and allied industries*. British Standard BS 5908 : 1990. London: BSI, 1990. (ISBN 0 580 18205 3)

The code gives guidance on the nature of fire hazards in these industries. It includes plant design, siting, separation distances, control and maintenance aspects of plant and the design and operation of warehouses and storage areas. Fire prevention and fire fighting are also considered.

4.4 Computer installations

BRITISH STANDARDS INSTITUTION. *Code of practice for fire protection for electronic data processing installations*. British Standard BS 6266 : 1992. London: BSI, 1992. (ISBN 0 580 20240 2)

The code gives recommendations for the protection from fire of new electronic data processing (EDP) installations. The recommendations may also be used as a guide to the adequacy of precautions in existing installations or when alterations are made to an EDP area.

4.5 Disabled people

BRITISH STANDARDS INSTITUTION. *Fire precautions in the design and construction of buildings. Code of practice for means of escape for disabled people*. British Standard BS 5588 : Part 8 : 1988. London: BSI, 1988. (ISBN 0 580 16408 X)

The code gives guidance (for new buildings and alterations to existing buildings) on suitable measures to enable the safe evacuation of any disabled people in the event of a fire. It also gives guidance on the application of the code to existing buildings. Applicable to all buildings types except single-family dwelling houses, flats, maisonettes and houses in multiple occupation. It is also not intended for buildings purpose-built for disabled people.

4.6 Dwellings

- a) BRITISH STANDARDS INSTITUTION. *Specification for park homes (mobile homes)*. British Standard BS 3632 : 1989. London: BSI, 1989. (ISBN 0 580 18000 X)

The standard gives requirements for a park home (previously called a mobile home or residential caravan) used as a permanent dwelling.

- b) BRITISH STANDARDS INSTITUTION. *Fire precautions in the design, construction and use of buildings. Code of practice for residential buildings*. British Standard BS 5588 : Part 1 : 1990. London, BSI, 1990. (ISBN 0 580 18604 0)

The code gives recommendations and guidance (for new buildings, alterations to existing buildings, and conversions of existing non-residential premises to form dwellings) on measures that should, in the event of fire, safeguard the lives of people residing in, or

visiting, such buildings, and that may help to protect the building against the effects of fire. It applies to single-family houses, flats, maisonettes and sheltered housing, but not to houses in multiple occupation, caravans and mobile homes. It covers means of escape, construction, ancillary accommodation, engineering services, fire protection facilities, and advice to owners and occupiers of flats and maisonettes.

4.7 Offices and shops

- a) BRITISH STANDARDS INSTITUTION. *Fire precautions in the design and construction of buildings. Code of practice for shops*. British Standard BS 5588 : Part 2 : 1985. London: BSI, 1985. (ISBN 0 580 14286 8)

The code gives guidance (for new buildings and alterations to existing buildings) on measures that should, in the event of fire, safeguard the lives of the public and staff in shops of all sizes and heights and that may help to protect the building and its contents against the effects of fire. Also applies to premises used for retail services and trades, cafes, restaurants, public houses and other places of refreshment. It covers means of escape, construction, engineering services, ancillary accommodation, fire protection facilities, and advice to management.

- b) BRITISH STANDARDS INSTITUTION. *Fire precautions in the design and construction of buildings. Code of practice for office buildings*. British Standard BS 5588 : Part 3 : 1983. London: BSI, 1983. (ISBN 0 580 11991 2)

The code gives guidance (for new buildings and alterations to existing buildings) on measures that should, in the event of fire, safeguard the lives of the employees and the public in office buildings of all sizes and heights and that may help to protect the building and its contents against the effects of fire. It covers means of escape, construction, engineering services, ancillary accommodation, fire protection facilities, and advice to management.

4.8 Places of assembly

BRITISH STANDARDS INSTITUTION. *Fire precautions in the design, construction and use of buildings. Code of practice for places of assembly*. British Standard BS 5588 : Part 6 : 1991. London: BSI, 1991. (ISBN 0 580 19865 0)

The code gives guidance (for new buildings and alterations to existing buildings) on measures that should, in the event of fire, safeguard the lives of the public, staff and performers in assembly buildings of all sizes and that may help to protect the building and its contents against the effects of fire. Applicable to buildings for indoor entertainment and/or assembly, but not to those areas of sports grounds covered by the Safety of Sports Grounds Act 1975. It covers means of escape, construction, ancillary accommodation, engineering services, fire protection facilities, and management.

4.9 Shopping complexes

BRITISH STANDARDS INSTITUTION. *Fire precautions in the design, construction and use of buildings. Code of practice for shopping complexes.* British Standard BS 5588 : Part 10 : 1991. London: BSI, 1991. (ISBN 0 580 19814 6)

The code gives guidance (for new complexes and alterations and extensions to existing complexes) on measures that should, in the event of fire, safeguard the lives of people working in or visiting such complexes and that may help to protect the complex and its contents against the effects of fire. It deals primarily with the common public and non-public areas of shopping complexes, although some recommendations affect the units forming the complex, particularly shop units. It covers facilities for the fire service, means of escape, construction, fire protection facilities, engineering services and management. Appendix A covers uncovered shopping complexes, small shopping developments, refurbished and existing premises incorporated into shopping complexes.

4.10 Special applications

a) BRITISH STANDARDS INSTITUTION. *Fire precautions in the design and construction of buildings. Code of practice for smoke control in protected escape routes using pressurization.* British Standard BS 5588 : Part 4 : 1978. London: BSI, 1978. (ISBN 0 580 10260 2)

The code gives guidance for new buildings, but the principles can be used when existing buildings are to be altered or adapted.

b) BRITISH STANDARDS INSTITUTION. *Fire precautions in the design, construction and use of buildings. Code of practice for firefighting stairs and lifts.* British Standard BS 5588 : Part 5 : 1991. London: BSI, 1991. (ISBN 0 580 19787 5)

The code gives guidance on the provision of firefighting stairs and lifts to assist the fire service in firefighting operations.

c) BRITISH STANDARDS INSTITUTION. *Fire precautions in the design and construction of buildings. Code of practice for ventilation and air conditioning ductwork.* British Standard BS 5588 : Part 9 : 1989. London: BSI, 1989. (ISBN 0 580 17161 2)

The code gives guidance (for new and existing buildings, other than premises covered by BS 5908 — see 4.3) on appropriate precautions to prevent the spread of fire and smoke and other by-products of combustion within a building through the movement of air for environmental control (i.e. ventilation, heating and cooling). It does not cover ductwork manufactured from materials that rapidly melt, shatter or degrade during fire exposure (e.g. glass and plastics materials).

d) BRITISH STANDARDS INSTITUTION. *Code of practice for accommodation of building services in ducts.* British Standard BS 8313 : 1989. London: BSI, 1989. (ISBN 0 580 15949 3)

The code gives recommendations for the design, construction, installation and maintenance of fixed ducts in buildings used for the accommodation of services. It also covers enclosures such as ceiling voids and cavities which are used for services. The code includes clauses dealing with prevention of fire, detection and alarm of fire, means of escape, prevention of spread of fire and smoke, and fire fighting.

5 Department for Education and Employment

NOTE. See 2.1 for information on how to obtain copies of HMSO publications.

5.1 Educational buildings

DEPARTMENT OF EDUCATION AND SCIENCE. *Fire and the design of educational buildings. Building Bulletin 7.* London: HMSO, 1988. (ISBN 0 11 270585 5)

The bulletin is issued in support of the Department's Constructional Standards for building work at educational establishments. The recommendations apply to new construction but may also be appropriate in the context of adaptation or remodelling work to existing buildings. Deals with means of escape, precautions against fire, structural fire precautions, fire warning systems and fire fighting, precautions by the occupants, and fire prevention and damage limitation.

5.2 Laboratories

DEPARTMENT OF EDUCATION AND SCIENCE. *Safety in science laboratories. DES Safety Series No 2.* London: HMSO, 1978. (ISBN 0 11 270473 5)

Section 2 of the bulletin 'Laboratory design and furniture' includes recommendations for structural fire precautions and means of escape; Section 4 'Fire' covers fire-fighting equipment, fire prevention, accidental explosions and other fire risks.

6 Department of the Environment and the Welsh Office

NOTE. See 2.1 for information on how to obtain copies of HMSO publications.

6.1 Building Regulations

DEPARTMENT OF THE ENVIRONMENT/WELSH OFFICE. *The Building Regulations 1991.* Approved Document B. Fire safety (1992 Edition, Second impression with amendments). London: HMSO, 1992. (ISBN 0 11 752313 5)

The Approved Document gives practical guidance on ways of meeting Requirements B1 Means of escape, B2 Internal fire spread (linings), B3 Internal fire spread (structure), B4 External fire spread and B5 Access and facilities for the fire service, of the Regulations.

6.2 Buildings under construction

DEPARTMENT OF THE ENVIRONMENT/MINISTRY OF DEFENCE/HOME OFFICE. *Standard fire precautions for contractors engaged on works for Crown Civil and Defence Estates*. London: HMSO, 1991. (ISBN 0 11 752523 5)

The document gives procedures to be followed by contractors engaged on building and engineering works and maintenance for all Crown work both civil and military.

6.3 Historic buildings

THE CONSERVATION UNIT, DEPARTMENT OF THE ENVIRONMENT. *Historic buildings conservation guide for government departments. A guide to the care and use of historic buildings in England, Wales and Northern Ireland*. London: HMSO 1992.

The guide describes the policies, principles and procedures to be observed and gives guidance in doing so. It is not intended as a technical book though reference is made to technical matters.

6.4 Houses in multiple occupation

a) DEPARTMENT OF THE ENVIRONMENT. Houses in multiple occupation. Guidance to local housing authorities on standards of fitness under section 352 of the Housing Act 1985. Circular 12/92. London: HMSO, 1992. (ISBN 0 11 752640 1)

The circular gives guidance to local housing authorities in England on the standards which they might consider adopting when exercising their powers under this Act. The provisions for means of escape from fire and other fire precautions replace 'Guide to means of escape and related fire safety measures in certain existing Houses in Multiple Occupation', 1988.

b) WELSH OFFICE. Local Government and Housing Act 1989. Houses in multiple occupation: standards of fitness. Circular 25/92. Cardiff: Welsh Office, 1992.

The circular gives guidance to local housing authorities in Wales on the standards which they should consider adopting when exercising their powers under section 352 of the Housing Act 1985. The provisions for means of escape from fire and other fire precautions replace Guide to means of escape and related fire safety measures in certain existing Houses in Multiple Occupation, 1988.

7 Department of the Environment for Northern Ireland

NOTE. See 2.1 for information on how to obtain copies of HMSO publications.

7.1 Building Regulations

DEPARTMENT OF THE ENVIRONMENT FOR NORTHERN IRELAND. The Building Regulations (Northern Ireland) 1994. Technical Booklet E. Fire safety. Belfast: HMSO, 1994. (ISBN 0 337 08324 X)

The Technical Booklet gives methods and standards of building which, if followed, will satisfy Part E of the Regulations.

7.2 Places of assembly

a) DEPARTMENT OF THE ENVIRONMENT FOR NORTHERN IRELAND. Model terms, conditions and restrictions for indoor entertainments which may be specified in entertainments licences by Councils under the Local Government (Miscellaneous Provisions) (Northern Ireland) Order 1985. Belfast: HMSO, 1986. (ISBN 0 337 08204 9)

The document provides standard rules of management for adoption by local authorities.

b) DEPARTMENT OF THE ENVIRONMENT FOR NORTHERN IRELAND. Model terms, conditions and restrictions for indoor entertainments which may be specified in entertainments licences by Councils under the Local Government (Miscellaneous Provisions) (Northern Ireland) Order 1985. Technical requirements. Belfast: HMSO, 1988. (ISBN 0 337 08219 7)

The document provides standard technical requirements for adoption by local authorities.

7.3 Residential care premises

ESTATE SERVICES DIRECTORATE. Northern Ireland Firecode. Fire safety in residential care premises. HTM 84. Belfast: HMSO, 1995. (ISBN 0 337 07998 6)

The document provides a fire engineering approach to achieving acceptable standards of fire safety in such premises. It may be used in the design of new premises, the setting of standards for existing premises, and the fire risk assessment of such buildings.

8 Department of Health

NOTE. See 2.1 for information on how to obtain copies of HMSO publications.

8.1 Arson prevention and control

NHS ESTATES. Firecode. Arson prevention and control in NHS health care premises. FPN No 6. London: HMSO, 1994. (ISBN 0 11 321712 9)

The note provides guidance in respect of additional fire and other safety precautions which may be necessary to prevent, control and detect arson in NHS premises. Much of the guidance is intended to prevent life-threatening fires occurring in clinical areas of hospitals.

8.2 Atrium buildings

NHS ESTATES. Firecode. Atria on hospital premises. FPN No 8. London: HMSO, 1995. (ISBN 0 11 322191 6)

The note provides guidance on the additional fire precautions required when atria are incorporated in the design of an NHS hospital.

8.3 Commercial enterprises

NHS ESTATES. Firecode. Commercial enterprises on hospital premises. FPN No 5. London: HMSO, 1992. (ISBN 0 11 321493 6)

The note provides general technical guidance relating to the additional fire safety precautions which may become necessary when commercial enterprises are about to be, or have been, established on hospital premises. It does not cover commercial enterprises in Nucleus hospitals, in atria, or those on premises other than hospital premises, e.g. health centres.

8.4 Dwellings

DEPARTMENT OF HEALTH AND SOCIAL SECURITY. Fire safety in health care premises. Guide to fire precautions in NHS housing in the community for mentally handicapped (or mentally ill) people. HTM 88. London: HMSO, 1986. (ISBN 0 11 320801 4)

The memorandum provides guidance for appropriate fire precautions in existing two storey houses or bungalows when owned by Health Authorities for the purpose of accommodating those people who are considered able to live in the community.

8.5 Escape bed lifts

DEPARTMENT OF HEALTH AND SOCIAL SECURITY/WELSH OFFICE. Firecode. Escape bed lifts. FPN No 3. London: HMSO, 1987. (ISBN 0 11 321112 0)

The note provides technical details for the escape bed lifts referred to in Health Technical Memorandum 81. It also covers the managerial and organisational arrangements needed to ensure that escape bed lifts are used safely and effectively in case of fire.

8.6 Flammable substances (storage & use)

a) DEPARTMENT OF HEALTH AND SOCIAL SECURITY/WELSH OFFICE. Firecode. Storage of flammable liquids. FPN No 2. London: HMSO, 1987. (ISBN 0 11 321111 2)

The note provides guidance on the storage of flammable liquids on health service premises.

b) NHS ESTATES. Medical gas pipeline systems. HTM 2022. London: HMSO, 1994.

Volume 1. *Management policy*. (ISBN 0 11 321748 X)

Volume 2. *Design considerations*. (ISBN 0 11 321747 1)

Volume 3. *Validation and verification*. (ISBN 0 11 321750 1)

Volume 4. *Operational management*. (ISBN 0 11 321749 8)

Volume 5. *Good practice guide*. (ISBN 0 11 321751 X)

The memorandum provides guidance on the management of these systems.

8.7 General

a) NHS ESTATES. Firecode. Policy and principles. London: HMSO, 1994. (ISBN 0 11 321711 0)

The document deals with basic strategy and management guidance.

b) NHS ESTATES. Firecode. Fire safety in health care premises. General fire precautions. HTM 83. London: HMSO, 1994. (ISBN 0 11 321725 0)

The memorandum is a guide for Nominated Officers (Fire), Fire Prevention Officers and others with a responsibility for fire precautions in the National Health Service.

8.8 Hospitals

a) NHS ESTATES. Firecode. Fire precautions in new hospitals. HTM 81. London: HMSO, 1996. (ISBN 0 11 322249 1)

The memorandum provides recommendations and guidance for designers on the fire safety measures which should be incorporated into the design of new hospitals. It replaces HTM 81 (1987) and Nucleus fire precautions recommendations (1989).

b) NHS Estates. Firecode. Fire precautions in existing hospitals. HTM 85. London: HMSO, 1994. (ISBN 0 11 321733 1)

The memorandum provides guidance on fire safety standards for existing NHS hospitals. It is intended to be used for the upgrading of fire precautions, and for minor alterations, in existing non-Nucleus NHS hospitals not designed to HTM 81 (or its 1978 draft — the 'red fire-engine' draft). It replaces the guidance given in the Home Office 'Draft guide to fire precautions in hospitals' 1982.

c) NHS ESTATES. Firecode. Fire risk assessment in hospitals. HTM 86. London: HMSO, 1994. (ISBN 0 11 321734 X)

The memorandum provides guidance on fire risk assessments in NHS hospitals. Fire risk assessments using the guidance in this document are required where the level of life risk or fire hazard is higher than that stated in HTM 85, or where it is not possible to provide the minimum level of fire precautions required in HTM 85.

8.9 Kitchens

NHS ESTATES. Firecode. Hospital main kitchens. FPN No 4. London: HMSO, 1994. (ISBN 0 11 321713 7)

The note provides general and technical guidance relating to the additional fire precautions which may become necessary when main kitchens are about to be, or have been, established on hospital premises.

8.10 Laboratories

NHS ESTATES. Firecode. Laboratories on hospital premises. FPN No 10. London: HMSO, 1996. (ISBN 0 11 322038 3)

The note provides guidance on the standard of fire safety applicable when laboratories are about to be, or have been, established on hospital premises.

8.11 Laundries

DEPARTMENT OF HEALTH AND SOCIAL SECURITY/WELSH OFFICE. Firecode. Laundries. FPN No 1. London: HMSO, 1987. (ISBN 0 11 321110 4)

The note provides technical guidance on fire safety relating to health service laundries. It covers general fire precautions, means of escape, fire alarms, fire fighting, smoke control, and security patrols.

8.12 Patient hotels

NHS ESTATES. Firecode. Fire precautions in patient hotels. FPN No 7. London: HMSO, 1995. (ISBN 0 11 321769 2)

The note provides guidance on the standards of fire precautions required in patient hotels providing accommodation for NHS patients.

8.13 Textiles and furniture

NHS ESTATES. Firecode. Textiles and furniture. HTM 87. London: HMSO, 1993. (ISBN 0 11 321636 X)

The memorandum sets out recommendations, advice and guidance for the purchase, use and donations of furniture and textiles, in hospitals and other healthcare premises.

9 Health and Safety Executive

NOTE. See 2.1 for information on how to obtain copies of HSE publications.

9.1 Buildings under construction

HEALTH AND SAFETY EXECUTIVE. General fire precautions at temporary accommodation units on construction sites. *ID 404/23*. London: HSE, 1993. (Available from HSE Area Offices)

The document provides guidance on the fire precautions required at these construction site huts, especially those which are subject to the Fire Certificates (Special Premises) Regulations 1976.

9.2 Flammable substances (storage & use)

a) DEPARTMENT OF EMPLOYMENT. Highly Flammable Liquids and Liquefied Petroleum Gases Regulations 1972: Certificate of Approval No 1. Form F 2434. London: HMSO, 1973. (ISBN 11 360640 0)

The document details the fire-resisting requirements for the various types of structures referred to in the Regulations (i.e. storerooms, workrooms, cabinets, cupboards and ducting).

b) HEALTH AND SAFETY EXECUTIVE. Fire risk in the storage and industrial use of cellular plastics. *GS 3*. London: HMSO, 1976. (ISBN 0 11 883042 2)

The note provides basic advice on fire precautions appropriate to the storage and handling of such materials.

c) HEALTH AND SAFETY EXECUTIVE. Polyurethane foam. *HS(G)1*. London: HMSO, 1978. (ISBN 0 11 883208 5)

The guide covers the storage and handling arrangements, with particular emphasis given to fire prevention and fire precautions.

d) HEALTH AND SAFETY EXECUTIVE. Highly flammable liquids in the paint industry. *HS(G)4*. London: HMSO, 1978. (ISBN 0 11 883219 0)

The guide provides technical guidance to the industry on procedures for complying with the Highly Flammable Liquids and Liquefied Petroleum Gases Regulations 1972, including building design requirements.

e) HEALTH AND SAFETY EXECUTIVE. Small scale storage and display of LPG at retail premises. *CS 8*. London: HMSO, 1985. (ISBN 0 11 883614 5)

The note gives guidance on the quantities of liquefied petroleum gases (LPG) that may be stored in cylinders and cartridges at shops and similar retail premises. Advice is also given on acceptable storage arrangements to provide for both the safety of employees and members of the public (including those in residential accommodation above shop premises).

f) HEALTH AND SAFETY EXECUTIVE. Storage and use of sodium chlorate and other similar strong oxidants. *CS 3*. London: HMSO, 1985. (ISBN 0 11 883523 8)

The note gives general principles of building design to minimize the risk of explosive decomposition of such oxidants due to fire.

g) HEALTH AND SAFETY EXECUTIVE. Storage and handling of ammonium nitrate. *CS 18*. London: HMSO, 1986. (ISBN 0 11 883937 3)

The note contains advice on building design considerations (including materials of construction) to address both the fire hazard and corrosive nature of ammonium nitrate.

h) HEALTH AND SAFETY EXECUTIVE. Keeping of LPG cylinders and similar containers. *CS 4*. London: HMSO, 1986. (ISBN 0 11 883539 4)

The note contains advice on building design considerations when LPG in cylinders and cartridges is stored within or near to buildings.

i) HEALTH AND SAFETY EXECUTIVE. The storage of LPG at fixed installations. *HS(G)34*. London: HMSO, 1987. (ISBN 0 11 883908 X)

The publication provides a general guide to safe practice in storing and handling LPG at fixed storage installations.

j) HEALTH AND SAFETY EXECUTIVE. The storage of flammable liquids in containers. *HS(G)51*. London: HMSO, 1990. (ISBN 0 7176 0481 0)

The guide covers the storage of flammable liquids in cans and drums (including petroleum spirit and petroleum mixtures). For storage in buildings, recommendations are given on location, materials of construction and ventilation requirements.

k) HEALTH AND SAFETY EXECUTIVE. The storage of flammable liquids in fixed tanks (up to 10,000 m³ total capacity). *HS(G)50*. London: HMSO, 1990. (ISBN 0 11 885532 8)

The guide deals with outdoor plant but includes reference to separation from buildings.

l) HEALTH AND SAFETY EXECUTIVE. The storage of flammable liquids in fixed tanks (exceeding 10,000 m³ total capacity). *HS(G)52*. London: HMSO, 1991. (ISBN 0 11 885538 7)

The guide deals with outdoor plant but includes reference to separation from buildings.

m) HEALTH AND SAFETY EXECUTIVE/HOME OFFICE/SCOTTISH OFFICE. Assessment of fire hazards from solid materials and the precautions required for their safe storage and use. *HS(G)64*. London: HMSO, 1991. (ISBN 0 11 885654 5)

The guide (which is intended for manufacturers, suppliers, storekeepers and users) sets out some general principles to help those who have legal responsibilities to assess the fire hazards from flammable solid materials, and the fire precautions required at their workplace.

n) HEALTH AND SAFETY EXECUTIVE. The storage and handling of organic peroxides. *CS 21*. London: HMSO, 1991. (ISBN 0 11 885602 2)

The note provides advice on the design of buildings and their location when used for the storage of organic peroxides in drums and like containers.

o) HEALTH AND SAFETY EXECUTIVE. Storage of packaged dangerous substances. *HS(G)71*. London: HMSO, 1992. (ISBN 0 11 885989 7)

The guide addresses the design considerations for buildings, including warehouses in which there is storage in packages such as drums, boxes and sacks etc, of dangerous substances (as defined under the Chemicals (Hazard Information and Packaging) Regulations 1993 and the Carriage of Dangerous Goods by Road and Rail (Carriage, Packaging and Labelling) Regulations 1994).

p) HEALTH AND SAFETY EXECUTIVE. Safe handling of combustible dusts: precautions against explosion. *HS(G)103*. London: HMSO, 1994. (ISBN 0 7176 0725 9)

The guide includes discussion on the design of buildings in which such materials are handled to mitigate against the effects of explosions upon the building itself and people within it.

q) HEALTH AND SAFETY EXECUTIVE. Storage and handling of industrial nitrocellulose. *HS(G)135*. London: HMSO, 1995. (ISBN 0 7176 0694 5)

The guide provides advice on reducing the hazard from fires involving nitrocellulose, (including guidance on building design and separation).

9.3 Industrial

a) HEALTH AND SAFETY EXECUTIVE. Vehicle finishing units: fire and explosion hazards. *PM 25*. London: HMSO, 1981. (ISBN 0 11 883382 0)

The note provides advice on the design and construction of these enclosures.

b) HEALTH AND SAFETY EXECUTIVE. Guidance on general fire precautions at premises subject to the Fire Certificates (Special Premises) Regulations 1976. London: HSE, 1982.

The booklet explains the underlying concepts of general fire precautions as applied to special premises for the benefit of occupiers and persons responsible for those premises. It is also intended to help in the design of new premises and in the alteration of and extension to existing ones within the special premises category.

c) HEALTH AND SAFETY EXECUTIVE. Fire Certificates (Special Premises) Regulations 1976. Guide to general fire precautions in explosives factories and magazines. Bootle: HSE, 1990. (ISBN 0 7176 0354 7)

The guide gives occupiers and those responsible for managing these premises a background in the general principles, underlying concepts and technical standards of general fire precautions; an understanding of fire certificates and the Health and Safety Executive certificates; general advice on how to make safe any shortcomings which they may identify, and to improve general fire precautions at their premises; and advice on standards that can be applied in the design of new plant or buildings, or in the alteration of existing plant or buildings.

d) HEALTH AND SAFETY COMMISSION/HOME OFFICE/SCOTTISH OFFICE. *Fire safety in the printing industry*. London: HMSO, 1992. (ISBN 0 11 886375 4)

The booklet provides guidance on appropriate fire precautions to those involved in the printing industry and allied trades. Its purpose is to create a greater awareness of the fire and explosion risks associated with the printing industry and allied trades. It is aimed at managers who have responsibility for fire safety to help them fulfil their duties under the Fire Precautions Act 1971, the Health and Safety at Work [etc.] Act 1974 and other relevant legislation.

9.4 Petrol filling stations

HEALTH AND SAFETY EXECUTIVE. Dispensing petrol: assessing and controlling the risk of fire and explosion at sites where petrol is stored and dispensed as a fuel. *HS(G)146*. London: HMSO, 1996. (ISBN 0 7176 1048 9)

The guide gives guidance on the planning, design, construction, operation and maintenance of petrol filling stations.

9.5 Places of assembly

a) HEALTH AND SAFETY EXECUTIVE. Electrical safety at places of entertainment. *GS50*. London: HMSO, 1991. (ISBN 0 11 885598 0)

The guidance note gives advice on the precautions which should be taken to prevent electrical danger. It also gives advice on the law as it applies to entertainment and on the role of the enforcing and licensing authorities.

b) HEALTH AND SAFETY EXECUTIVE. Fairgrounds and amusement parks. A code of safe practice. *HS(G)81*. London: HMSO, 1992. (ISBN 0 11 886307 X)

The code, which is intended for those connected with fairgrounds, amusement parks and similar permanent operations, includes a section on fire precautions. The HSE has instructed its inspectors to take it into account when considering whether there is compliance with statutory requirements.

c) HEALTH AND SAFETY COMMISSION/HOME OFFICE/SCOTTISH OFFICE. Guide to health, safety and welfare at pop concerts and similar events. London: HMSO, 1993. (ISBN 0 11 341072 7)

The guide brings together into one document all the information needed by organizers and their contractors and employees to help them satisfy the requirements of the law. It builds on the former GLC code of practice for pop concerts and it supplements the Home Office/Scottish Home and Health Department Guide to fire precautions in existing places of entertainment and like premises, 1990. Part III covers fire safety and emergency procedures.

d) RM CONSULTANTS. Managing crowd safety in public venues: a study to generate guidance for venue owners and enforcing inspectors. HSE Contract Research Report CRR 53/1993. (ISBN 0 11 882132 6)

The report will be used as a basis for a later HSE guidance document.

10 Home Office

NOTE. 1 See 2.1 for information on how to obtain copies of HMSO publications.

NOTE. 2 See clause 9 (Health and Safety Executive) which includes documents jointly published with the Home Office.

10.1 Factories, offices, shops and railway premises

a) HOME OFFICE/SCOTTISH OFFICE. Fire Precautions Act 1971. Guide to fire precautions in existing places of work that require a fire certificate. Factories, offices, shops and railway premises. London: HMSO, 1993. (ISBN 0 11 341079 4)

The guide sets out reasonable standards for means of escape and other fire precautions in these premises. It aims to set acceptable national standards of fire safety and encourage consistency of enforcement. At the same time the recommendations in the guide allow for flexibility and the exercise of professional judgement and common sense.

b) HOME OFFICE/SCOTTISH HOME AND HEALTH DEPARTMENT. *Code of practice for fire precautions in factories, offices, shops and railway premises not required to have a fire certificate*. London: HMSO, 1989. (ISBN 0 11 340904 4)

The code provides practical guidance on how to meet the duty under section 9A of the Fire Precautions Act 1971 to provide these premises with means of escape in case of fire and means for fighting fire.

c) HOME OFFICE/SCOTTISH HOME AND HEALTH DEPARTMENT. Fire Precautions Act 1971. Fire safety at work. London: HMSO, 1993 (Fourth impression 1995). (ISBN 0 11 340905 2)

The booklet is a basic guide for owners or occupiers, local managers, supervisors or employees representatives, who need to know about fire precautions in offices, shops (including restaurants and bars), factories and certain railway premises.

10.2 Hospitals and residential care premises

HOME OFFICE/SCOTTISH HOME AND HEALTH DEPARTMENT. *Draft guide to fire precautions in existing residential care premises*. London: HMSO, 1983. (ISBN 0 86 252084 3)

The guide sets basic standards for means of escape in case of fire and related fire precautions in statutory homes run by local authorities and homes run by voluntary organizations, including children's homes, community homes, homes for the elderly and homes for the mentally ill and the mentally and physically handicapped. It is also intended to cover privately run establishments in which residential care is provided and certain voluntary and privately run nursing homes that provide nursing care, but which have a greater affinity to residential homes than to hospitals.

10.3 Hotels

a) HOME OFFICE/SCOTTISH OFFICE. *Fire Precautions Act 1971. Guide to fire precautions in premises used as hotels and boarding houses which require a fire certificate.* London: HMSO, 1991. (ISBN 0 11 341005 0)

The guide sets out reasonable standards for means of escape and other fire precautions in these premises. It aims to set acceptable national standards of safety and encourage consistency of enforcement, while at the same time leaving scope for flexibility and the exercise of professional judgement and common sense.

b) HOME OFFICE/SCOTTISH OFFICE/FIRE PROTECTION ASSOCIATION. *Fire Precautions Act 1971. Fire safety management in hotels and boarding houses.* London: HMSO, 1991. (ISBN 0 11 340980 X)

The guide provides information on fire safety for owners and managers of hotels, boarding houses, motels, guest houses, inns, farm houses or other premises where people sleep as paying guests.

10.4 Places of assembly

HOME OFFICE/SCOTTISH HOME AND HEALTH DEPARTMENT. *Guide to fire precautions in existing places of entertainment and like premises.* London: HMSO, 1994 (Second impression, with revisions). (ISBN 0 11 340907 9)

The guide recommends standards for means of escape and other fire precautions. The range of premises covered includes theatres (both indoor and open air), concert halls, dance halls and discotheques, conference centres, indoor leisure centres, zoos and circuses. It does not apply to sports grounds or to cinemas or other premises used for film exhibitions. The guide also provides advice for licensees, owners and managers on their responsibilities and the safety levels they may be expected to meet.

10.5 Police buildings

HOME OFFICE. *Police buildings design guide.* London: Home Office, 1994.

Volume 1 of the guide is primarily for use by the police building authority to assist it in formulating its proposals.

Volume 2 is primarily for use by the design team. It includes design principles and standards, and model accommodation levels. Reference is also made to relevant operational, security and safety constraints, and to recommended details of construction and detail design.

10.6 Prisons

a) HM PRISON SERVICE. *Fire precautions manual.* London: Home Office, 1989.

The manual gives guidance on the fire safety management of prisons.

b) HM PRISON SERVICE. *Prison design briefing system. PF24 Fire requirements.* London: Home Office, 1989. (ISBN 0 86252 396 6)

The document describes the principles of design for fire protection purposes, and the standards of construction, to be incorporated in all new building projects in penal establishments.

c) HM PRISON SERVICE. *Fire standards in prison establishments: principles of design and standards of construction.* London: Home Office, 1990.

The document applies to all categories of prison establishments up to four storeys, including new complexes and major refurbishment works in existing establishments.

10.7 Sports grounds

HOME OFFICE/SCOTTISH OFFICE. *Guide to safety at sports grounds.* (Third edition). London: HMSO, 1990. (ISBN 0 11 341001 8)

The document gives guidance to ground management, local authorities and technical specialists in order to assist them to assess how many spectators can be safely accommodated within a sports ground used for a sporting event. It also outlines measures for improving safety at existing grounds. (The guide is now the responsibility of the Department of National Heritage.)

10.8 Warehouses

a) HOME OFFICE/SCOTTISH HOME AND HEALTH DEPARTMENT. *Fire precautions in new single-storey spirit storages and associated buildings. Fire Prevention Guide No 2.* London: HMSO, 1973. (SBN 11 340433 6)

The code of guidance makes recommendations for the reduction of fire risk in premises where spirits are stored and in associated premises used for bottling and processing.

b) HOME OFFICE/SCOTTISH HOME AND HEALTH DEPARTMENT. *Fire-fighting and fire precautions in automated warehouses. Fire Prevention Guide No 3.* London: HMSO, 1974. (ISBN 0 11 340435 2)

The code of guidance applies to both purpose-built and traditional-style warehouses adapted for high stacked storage.

11 London District Surveyors

Association/London Fire Brigade/Greater London Council

NOTE. LDSA publications are available from London District Surveyors Association Publications, PO Box 15, London, SW6 3TU.

11.1 Atrium buildings

LONDON DISTRICT SURVEYORS ASSOCIATION. *Fire safety in atrium buildings. Fire Safety Guide No 2.* London: LDSA Publications, 1989.

The guide deals with the issues posed by the inclusion of an atrium on means of escape, compartmentation and fire spread to adjoining buildings.

11.2 Buildings of excess height and/or additional cubical extent

LONDON DISTRICT SURVEYORS ASSOCIATION. Fire safety in Section 20 buildings. Fire Safety Guide No 1. London: LDSA Publications, 1990.

The guide contains general information as to the conditions which may be imposed by the local authority when approving proposals relating to buildings coming within the scope of Section 20 of the London Building Acts (Amendment) Act 1939.

11.3 General

GREATER LONDON COUNCIL. *Code of practice. Means of escape in case of fire.* London: GLC, 1974.

The code deals with the construction of new buildings and extensions and/or alterations to existing buildings. It covers places where people work, places where people resort (excluding schools), places where people sleep (excluding blocks of flats and/or maisonettes and special types of premises such as hospitals), garages, car parks and vehicle service areas, and ancillary accommodation.

11.4 Hotels

GREATER LONDON COUNCIL. *A guide to fire safety in exhibitions and similar presentations in hotel buildings.* London: GLC, 1972.

The booklet makes recommendations for the precautions that should be taken to diminish the risk of an outbreak of fire when exhibitions are staged in hotels, in order to ensure the safety of residents and staff should a fire occur.

11.5 Offices

LONDON DISTRICT SURVEYORS ASSOCIATION. Phased evacuation from office buildings. *Fire Safety Guide* No 3. London: LDSA Publications, 1990. (ISBN 0 9516518 1 1)

The guide provides guidance for regulatory authorities, building designers and building management on the provision and management of facilities to enable phased evacuation to be confidently used as a means of escape option from office buildings in the event of a fire.

11.6 Places of assembly

- a) GREATER LONDON COUNCIL. *Play Safe. A guide to standards in halls used for occasional stage presentations.* London: GLC, 1980. (ISBN 7168 0821 8)

The booklet provides guidance to those who wish to put on stage plays and similar entertainments in local halls and similar premises (e.g. schools) in Greater London.

- b) LONDON DISTRICT SURVEYORS ASSOCIATION/ASSOCIATION OF LONDON CHIEF ENVIRONMENTAL HEALTH OFFICERS. *Entertainment Licencing. Model rules of management for places of public entertainment.* London: LDSA Publications, 1989.

The document contains standard conditions of licence for adoption by local authorities in respect of 'Places of public entertainment' (R1); 'Exhibition of subsidiary films & videos (R2); 'Exhibition of films & videos in hotel bedrooms etc'. (R3); and 'Occasional licences' (R4).

- c) LONDON DISTRICT SURVEYORS ASSOCIATION/ASSOCIATION OF LONDON CHIEF ENVIRONMENTAL HEALTH OFFICERS. *Entertainment Licencing. Model technical regulations for places of public entertainment.* London: LDSA Publications, 1991. (ISBN 0 9516518 0 3)

The document provides guidance for applicants intending to submit to the local authority proposals involving places of public entertainment.

11.7 Railway premises

LONDON FIRE BRIGADE/BRITISH RAIL/HOME OFFICE/SCOTTISH OFFICE. *Guidance for fire precautions on existing British Rail surface stations.* London: HMSO, 1993.

The guide, which supplements the 'Guide to fire precautions in existing places of work that require a fire certificate. Factories, offices, shops and railway premises' 1993, covers only the platforms and circulating areas (including routes to a place of safety) in existing stations.

11.8 Sports grounds

LONDON DISTRICT SURVEYORS ASSOCIATION. *Safety of sports grounds. Safety of sports grounds specimen general safety certificate and guidance notes.* London: LDSA Publications, 1992. (ISBN 0 9516518 2 X)

The document is intended to provide a unified approach to the issue of safety certificates.

12 Loss Prevention Council/Fire Protection Association

NOTE. 1 LPC and FPA publications are available from LPC Publications Department, Melrose Avenue, Borehamwood, Herts WD6 2BJ.

NOTE. 2 See also clause 10 (Home Office) which includes documents jointly published with the Fire Protection Association.

12.1 Buildings under construction

BUILDING EMPLOYERS CONFEDERATION/LOSS PREVENTION COUNCIL/NATIONAL CONTRACTORS' GROUP. *Fire prevention on construction sites. The joint code of practice on the protection from fire of construction sites and buildings undergoing renovation.* (Third edition.) London: BEC/LPC/NCG, 1995. (ISBN 0 902167 17 0)

The code gives procedures and standards to be applied on construction sites (including those where demolition, alterations, fitting out, renovations, refurbishment or repair work is being carried out).

12.2 Historic buildings

THE UNITED KINGDOM WORKING PARTY ON FIRE SAFETY IN HISTORIC BUILDINGS. *Heritage under fire. A guide to the protection of historic buildings*. (Second edition.) London: Fire Protection Association, 1995. (ISBN 0 902167 90 1)

The guide is aimed at those who have any form of responsibility for planning, advising about or setting up fire safety measures in historic buildings.

12.3 Insurance requirements

LOSS PREVENTION COUNCIL. *Code of practice for the construction of buildings. Insurers' rules for the fire protection of industrial and commercial buildings*. London: LPC, 1992. (ISBN 0 902167 00 6)

The code, which has been developed to set a level of fire protection to meet insurers' standards, deals with internal fire spread (linings), internal fire spread (structure) and external fire spread. It has been adopted by members of the Association of British Insurers and Lloyd's for insurance purposes.

12.4 Warehouses

LOSS PREVENTION COUNCIL. *Warehouses and other storage places*. Loss Prevention Council Recommendations: Warehouses 18. London: LPC, 1989.

The premises intended to be covered by these recommendations include furniture depositories, wholesalers and retailers storage buildings, stockrooms and storage areas in commercial and manufacturers' premises. They also apply to open-sited or yard storage.

13 Scottish Office

NOTE. 1 See 2.1 for information on how to obtain copies of HMSO publications.

NOTE. 2 See clauses 9 and 10 (Health and Safety Executive and the Home Office) which include documents jointly published with the Scottish Office.

13.1 Building Regulations

THE SCOTTISH OFFICE. *The Building Standards (Scotland) Regulations 1990. Technical Standards for compliance with the Building Standards (Scotland) Regulations 1990*. Edinburgh: HMSO, 1990. (ISBN 0 11 494105 X)

The publication presents the technical standards which are the criteria for compliance with the Regulations. Part D deals with structural fire precautions and Part E with means of escape from fire, facilities for fire-fighting and means of warning of fire in dwellings.

13.2 Educational buildings

SCOTTISH EDUCATION DEPARTMENT. *A guide to fire safety in schools. Educational Building Note 18*. Edinburgh: Scottish Office, 1982.

The note offers guidance on the design and use of school buildings to minimize the dangers of fire. Although the guidance offered is related particularly to new primary and secondary schools, it also has relevance to pre-school provision and further education buildings. It deals with the principles of fire safety, the hazards of fire, planning and design, alarm systems, fire-fighting, and advice to occupants.

13.3 Historic buildings

HISTORIC SCOTLAND/DEPARTMENT OF NATIONAL HERITAGE. *The care of historic buildings and ancient monuments by government departments in Scotland*. Edinburgh: Scottish Office, 1995.

The guide sets out policies, principles and procedures for the care of historic buildings and other property of cultural value within the government estate in Scotland.

13.4 Hospitals and residential care premises

a) SCOTTISH EDUCATION DEPARTMENT. *Small group homes. Social Work Building Note 4*. Edinburgh: Scottish Office, 1979.

The note provides model solutions for adapting standard house plans which can be used for building such homes as part of a larger housing contract.

b) SCOTTISH EDUCATION DEPARTMENT. *Precautions against fire in residential homes for the elderly. Social Work Building Note 5*. Edinburgh: Scottish Office, 1979.

The note gives guidance which supplements the Technical standards for compliance with the Building Standards (Scotland) Regulations. Much of the guidance may be considered suitable for other residential establishments such as children's homes and homes for the mentally or physically handicapped.

c) SCOTTISH HOME AND HEALTH DEPARTMENT. *Fire safety. New health buildings in Scotland*. Edinburgh: Scottish Office, 1987. (ISBN 0 7480 0000 3)

The note is used to amplify Parts D, E and S of the Building Standards (Scotland) Regulations as they affect fire safety aspects of health buildings. It applies to all new health buildings and major extensions and alterations to existing buildings, including private health building proposals. It has the same intention as HTM 81 in England and Wales.

d) SCOTTISH HOME AND HEALTH DEPARTMENT. *Firecode in Scotland: Policy and principles*. Edinburgh: Scottish Office, 1994. (ISBN 0 7480 0975 2)

The document deals with basic strategy and management guidance.

13.5 Houses in multiple occupation

SCOTTISH HOME AND HEALTH DEPARTMENT. *Guide to means of escape and related fire safety measures in existing houses in multiple occupation in Scotland*. Edinburgh: HMSO, 1988.

The guide deals with certain types of houses in multiple occupation (HMO), and hostel type accommodation (including common lodging houses), in Scotland.

13.6 Police buildings

SCOTTISH HOME AND HEALTH DEPARTMENT.
The planning of police buildings (Scotland).
Edinburgh: Scottish Office, 1988.

The memorandum sets out recommended standards for modern police buildings. Part I of the memorandum contains the design guidance and Part II related appendices.

13.7 Prisons

- a) SCOTTISH PRISON SERVICE. *Penal establishments in Scotland. Fire safety. Code of practice for new and existing buildings, alterations and change of use.* Edinburgh: Scottish Office, 1996.

The document is used to amplify Parts D, E and S of the Building Standards (Scotland) Regulations as they affect fire safety aspects of prison buildings.

- b) SCOTTISH PRISON SERVICE. *Building control.* Edinburgh: Scottish Office, 1994.

The document sets out the procedures which have to be followed within the Scottish Prison Service in relation to building control.

- c) SCOTTISH PRISON SERVICE. *Fire precautions manual.* Edinburgh: Scottish Office, 1991.

The manual gives guidance on the fire safety management of prisons.

14 Miscellaneous

14.1 Agricultural buildings

- a) MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. *Fire safety.* PB2281. London: MAFF, 1995.

NOTE. Available from MAFF Publications, tel: 0645 556000.

The booklet gives broad advice on how to prevent fire and on what to do if you are involved in a fire.

- b) NATIONAL FARMERS UNION. *Arson risk reduction on farms.* London: NFU, 1993.

NOTE. Available from NFU Technical Sales Department, 164 Shaftesbury Avenue, London WC2H 8HL.

The guidance note is intended to help farmers and growers understand the nature of the arson problem and suggests steps that might be taken to minimize risks on their own and other property.

14.2 Airport buildings

BRITISH AIRPORTS AUTHORITY. *Fire safety standards for BAA buildings.* BAA, 1994.

The document sets standards for the construction/alteration of all airport buildings.

14.3 Car parks

ASSOCIATION FOR PETROLEUM AND EXPLOSIVES ADMINISTRATION. *Code of practice for ground floor, multi-storey and underground car parks.* Leicester: APEA, 1991 (Revised 1994).

NOTE. Available from the APEA, PO Box 2, Hadleigh, Suffolk IP7 5SF.

The code deals with the range of active and passive fire precautions measures appropriate for these premises.

14.4 Dwellings

- a) CHIEF AND ASSISTANT CHIEF FIRE OFFICERS' ASSOCIATION. *Fire safety precautions for domestic premises used for childminding.* Tamworth: CACFOA, 1994.

NOTE. Available from CACFOA, 10-11 Pebble Close, Amington, Tamworth, Staffs, B77 4RD.

The document provides a common basic standard of fire precautions for domestic premises used by childminders registered under the Children Act 1989.

- b) THE CHILD ACCIDENT PREVENTION TRUST. *Safe as houses?* London: CAPT, 1991.

NOTE. Available from the CAPT, 4th floor, 18-20 Farringdon Lane, London EC1R 3AU.

The report provides guidelines for the safety of children in temporary accommodation. The types of accommodation covered include bed & breakfast hotels, hostels, and women's refuges.

14.5 Flammable substances (storage and use)

- a) BRITISH AEROSOL MANUFACTURERS' ASSOCIATION. *A guide to good practice for the storage of aerosols in manufacturing, wholesaling warehouses and retail stores.* London: BAMA, 1989.

NOTE. Available from the BAMA, King's Building, Smith Square, London SW1P 3JJ.

The guide gives advice on the design and construction of buildings (including fire-fighting provision) which are used for the storage of aerosols containing flammable propellants.

- b) BRITISH COMPRESSED GASES ASSOCIATION. *The safe storage of gaseous hydrogen in seamless cylinders and similar containers.* Code of Practice CP 8. Eastleigh: BCGA, 1986.

NOTE. Available from the BCGA, 14 Tollgate, Eastleigh, Hants SO53 3TG.

The code provides guidance on requirements for building design, construction and location when used for the storage of hydrogen.

- c) BRITISH COMPRESSED GASES ASSOCIATION. *Safe practice for the storage of gases in transportable cylinders intended for industrial use.* Guidance Note GN 2. Eastleigh: BCGA, 1988. ISBN 0260 4809.

NOTE. Available from the BCGA, 14 Tollgate, Eastleigh, Hants SO53 3TG.

The note provides guidance on design, construction and location of cylinder storage areas.

- d) BRITISH COMPRESSED GASES ASSOCIATION. *The safe storage, handling and use of special gases in the micro-electronics industry*. Code of Practice CP 18. Eastleigh: BCGA, 1995.

NOTE. Available from the BCGA, 14 Tollgate, Eastleigh, Hants SO53 3TG.

The code provides guidance on requirements for building design, construction and location when used for these special gases (e.g. silane and arsine).

- e) INSTITUTE OF PETROLEUM. *Fire precautions at petroleum refineries and bulk storage installations*. Model Code of Practice CoP Part 19. London: IP, 1993. ISBN 0 471 94328 2.

NOTE. Available from the IP, 61 New Cavendish Street, London, W1M 8AR.

The code gives guidance on fire precautions and fire prevention in oil refineries and large bulk petroleum product storage installations (exceeding 10,000 m³). It includes advice on building design and location.

- f) INSTITUTION OF GAS ENGINEERS. *Fire precautions for use in buildings in the gas industry*. SR/17. London: IGE, 1992. ISBN 0387 7850.

NOTE. Available from the IGE, 17 Grosvenor Crescent, London SW1X 7ES.

The document gives guidance on fire precautions and protection for buildings, enclosures and indoor installations in the gas industry. It includes advice on fixed fire and flammable gas detection equipment, and access and facilities for the fire brigade.

- g) LIQUIFIED PETROLEUM GAS ASSOCIATION. *Installation and maintenance of fixed bulk LPG storage at consumers premises. Small bulk installations for domestic purposes*. Code of practice No 1 : Part 2. Reigate: LPGA, 1988. ISBN 0 900323.

NOTE. Available from the LPGA, Alma House, Alma Road, Reigate, Surrey RH2 0A2.

The code gives guidelines for the location, installation and commissioning of a gas supply to domestic premises from LPG tanks sited within the grounds of the property.

- h) LIQUIFIED PETROLEUM GAS ASSOCIATION. *Use of LPG cylinders*. Code of Practice No 24. Reigate: LPGA, 1993.

Part 1: *Use of propane in cylinders at residential premises*. (ISBN 1 873891 05 9)

Part 2: *Use of butane in cylinders at residential premises*. (ISBN 1 873891 06 7)

NOTE. Available from the LPGA, Alma House, Alma Road, Reigate, Surrey RH2 0A2.

The code gives guidelines for the safe use (including siting) of LPG cylinders used for heating, cooking etc. in premises used for residential purposes. It covers butane cylinders used indoors, and propane cylinders located out of doors to feed a piped system within the premises.

14.6 General

- a) BICKERDIKE ALLEN PARTNERS. *Design principles of fire safety*. London: HMSO, 1996. (ISBN 0 11 753045 X)

The book explains the principles underlying fire safety legislative requirements and guidance.

- b) SOCIETY FOR THE PROTECTION OF ANCIENT BUILDINGS/COUNCIL FOR SMALL INDUSTRIES IN RURAL AREAS. *The care and repair of thatched roofs. Technical pamphlet 10*. 1986.

NOTE. Available from the Rural Development Commission, Salisbury, Wilts.

The pamphlet (which summarizes the main areas of difficulty encountered in the care of and alterations to thatched roofs) includes a section on fire precautions.

14.7 Historic buildings

- a) PARNELL, A. C. *Building legislation and historic buildings*. London: The Architectural Press, 1987. ISBN 0 85139 790 5.

The book aims to clarify the various issues and objectives relating to historic buildings by discussing the issues and giving case studies of different building types.

- b) DEPARTMENT OF NATIONAL HERITAGE. *Fire protection measures for the royal palaces*. London: HMSO, 1993. ISBN 0 11 701762 0.

The report makes recommendations to be followed as a consequence of the fire at Windsor Castle in 1992.

14.8 Markets

LONDON BOROUGH OF CAMDEN. *Code of practice: operation of markets on private land*. London: London Borough of Camden, 1992.

The code, which is intended for market operators and stall holders, includes guidance on risk assessment, fire safety measures and crowd management.

14.9 Places of assembly

ASSOCIATION OF BRITISH THEATRE TECHNICIANS. *Advice on standards for occasional licences. Code of practice for the theatre industry*. Part 1, Chapter 3. London: ABTT, 1981.

NOTE. Available from the ABTT, 47 Bermondsey Street, London SE1 3XT.

The code provides general guidelines to local authorities on the granting of occasional stage play licences.

14.10 Sports grounds

- a) THE FOOTBALL STADIA ADVISORY DESIGN COUNCIL. *Seating. Sightlines, conversion of terracing, seat types*. London: FSADC, 1991. ISBN 1 873831 00 5.

NOTE. Available from the Sports Council, Information Council, 16 Upper Woburn Place, London WC1H 0QP.

The booklet includes guidance on flame retardancy standards.

- b) THE FOOTBALL STADIA ADVISORY DESIGN COUNCIL. *Designing for spectators with disabilities*. London: FSADC, 1992. ISBN 1 873831 30 7.

NOTE. Available from the Sports Council.

The booklet gives guidance to football clubs on how to comply with Part M of the Building Regulations. It includes a section on the design of exit routes.

- c) INSTITUTION OF STRUCTURAL ENGINEERS. *Appraisal of sports grounds*. London: ISE, 1991.

The report, which is intended to help engineers and other professionals undertake the appraisal of existing sports grounds in the UK and elsewhere, includes a chapter on fire and fire safety.

14.11 Warehouses

NATIONAL MATERIALS HANDLING CENTRE. *Fire prevention in high bay warehouses*. Cranfield: NMHC, 1980. ISBN 0 905823 08 7.

The report provides design guidance on all aspects of the construction of such buildings and their in-built protection etc.

Annex

Annex A (informative)

Previous regulations, codes of practice, standards and guides published in connection with fire safety in premises in the UK

A.1 General NOTE. Each document covers various building types/occupancies

1. READ, R E H. *British statutes relating to fire (1425 — 1963)*. Building Research Establishment Report. Borehamwood: BRE, 1986.
2. LONDON COUNTY COUNCIL. Factory and Workshop Acts 1901 and 1907, and London Building Acts (Amendment) Act 1905. Means of escape in case of fire. Statement of general requirements. Publication No. 901. London: LCC, 1907. (Reprinted 1915.)
3. DEPARTMENT OF HEALTH FOR SCOTLAND. Model Byelaws for regulating building, etc. in burghs. Edinburgh: HMSO, 1932. (Revised 1934, 1937 and 1954.) (Replaced by the Building Standards (Scotland) Regulations 1963.)
4. DEPARTMENT OF HEALTH FOR SCOTLAND. Model Byelaws for regulating building in landward areas of counties. Edinburgh: HMSO, 1932. (Revised 1934, 1937 and 1954.) (Replaced by the Building Standards (Scotland) Regulations 1963.)
5. LONDON COUNTY COUNCIL. *Means of escape in case of fire. Principles upon which requirements are based*. London: LCC, 1936. (Revised 1938, 1946 and 1949.)
6. BUILDING INDUSTRIES NATIONAL COUNCIL. *Report on means of escape from fire*. London: BINC, 1935.
7. MINISTRY OF HEALTH. *Model Byelaws*. Series IV. Buildings. London: HMSO, 1937. (Reprinted 1939. Revised 1952 and 1953 by Ministry of Housing and Local Government.) (Replaced by the Building Regulations 1965.)
8. LONDON COUNTY COUNCIL. By-laws for the construction and conversion of buildings and furnace chimney shafts. London: LCC, 1937. (Revised in 1952 as the London Building (Constructional) By-laws. Further major revisions made in 1965, LCC; 1972 and 1979, GLC.) (Fire content replaced by Approved Document B2/3/4.)
9. BUILDING INDUSTRIES NATIONAL COUNCIL. *Report on means of escape in case of fire*. London: BINC, 1945.
10. MINISTRY OF WORKS. Fire Grading of Buildings. Part I. General principles and structural precautions. *In: Post-War Building Studies* No. 20. London: HMSO, 1946. (Reprinted 1992, BRE)
11. MINISTRY OF WORKS. Fire Grading of buildings. Part II Fire detection and fire fighting equipment in buildings, Part III Precautions relating to personal safety, Part IV Chimneys, flue pipes and hearths. *In:*

Post-War Building Studies No. 29. London: HMSO, 1952. (Reprinted 1992, BRE)

12. LONDON COUNTY COUNCIL. *Means of escape in case of fire. A code of practice for the guidance of applicants in the preparation of proposals for new buildings, major additions and alterations to existing buildings to be submitted to the Council*. Publication No. 3868. London: LCC, 1954.

13. STATUTORY INSTRUMENTS. Building and buildings. The Building Standards (Scotland) Regulations 1963. S.I. 1963 No. 1897 (S. 102). London: HMSO, 1963. (Major revisions 1970 and 1981) (Technical content replaced by the 'Technical standards for compliance with the Building Standards (Scotland) Regulations 1990'.)

14. STATUTORY INSTRUMENTS. Building and buildings. The Building Regulations 1965. S.I. 1965 No. 1373. London: HMSO, 1965. (Major revisions 1972 and 1976.) (Technical content for fire replaced by Approved Document B2/3/4.)

15. HOME OFFICE. Access for fire appliances. *Fire Prevention Note* No. 2/66. London: HMSO, June 1966. (Revised as *Fire Prevention Note* 1/70.) (Replaced by Approved Document B, 1992 edition.)

16. DEPARTMENT OF THE ENVIRONMENT (NORTHERN IRELAND). Building Regulations. Building Regulations (Northern Ireland) 1973. Statutory Rules and Orders of Northern Ireland 1973 No. 105. Belfast: HMSO, 1973. (Major revisions 1977 and 1990.) (Technical content for fire replaced by Technical Booklet E, 1994 edition.)

17. DEPARTMENT OF THE ENVIRONMENT/WELSH OFFICE. The Building Regulations 1985. Approved Document B2/3/4. Fire spread. London: HMSO, 1985. (Replaced by Approved Document B, 1992 edition.)

18. DEPARTMENT OF THE ENVIRONMENT/WELSH OFFICE. The Building Regulations 1985. Mandatory rules for means of escape in case of fire. London: HMSO, 1985. (Replaced by Approved Document B, 1992 edition.)

A.2 Dwellings

(See also **A.1 — General**)

Houses, flats and maisonnettes

1. BRITISH STANDARDS INSTITUTION. *Code of functional requirements of buildings. Precautions against fire (Houses and flats of not more than two storeys)*. British Standard Code of Practice CP 3: Chapter IV (1948). London: BSI, 1948. (Replaced by BS 5588 : Section 1.1.)

2. HOME OFFICE. Fire precautions in country houses of outstanding historical and architectural interest. *Fire Prevention Note* No. 2/53. London: HMSO, March 1953.

3. DEPARTMENT OF HEALTH FOR SCOTLAND. *Interim code of requirements for means of escape from fire in multi-storey blocks of flats and maisonnettes built by Scottish local authorities*. Edinburgh: Scottish Office, 1958.

4. BRITISH STANDARDS INSTITUTION. *Code of basic data for the design of buildings. Precautions against fire. Fire precautions in flats and maisonettes over 80 ft in height.* British Standard Code of Practice CP 3: Chapter IV : Part 1 : 1962. (Replaced by CP 3: Chapter IV : Part 1 : 1971.)

5. BRITISH STANDARDS INSTITUTION. *Code of basic data for the design of buildings. Precautions against fire. Flats and maisonettes (in blocks over two storeys).* British Standard Code of Practice CP 3: Chapter IV : Part 1 : 1971. London: BSI, 1971. (Replaced by BS 5588 : Part 1.)

6. BRITISH STANDARDS INSTITUTION. *Fire precautions in the design and construction of buildings. Residential buildings. Code of practice for single-family dwelling houses.* British Standard BS 5588 : Section 1.1 : 1984. London: BSI, 1984. (Replaced by BS 5588 : Part 1.)

Houses in multiple occupation

7. MINISTRY OF HOUSING AND LOCAL GOVERNMENT/WELSH OFFICE. Housing Act 1969. Houses in multiple occupation. *Circular 67/69.* London: HMSO, 1969.

8. GREATER LONDON COUNCIL. Code of practice. Means of escape in case of fire. Houses in multiple occupation. Section 16 of the Housing Act 1961. London: GLC, 1978.

9. GREATER LONDON COUNCIL. *Code of practice. Means of escape in case of fire. Houses in multiple occupation. Addendum in respect of houses used as hostels, lodging houses and similar establishments.* London: GLC, 1981.

10. DEPARTMENT OF THE ENVIRONMENT/HOME OFFICE/WELSH OFFICE. Memorandum on overcrowding and houses in multiple occupation. The Housing Act 1985 : Parts X, XI and XII. DOE Circular 12/86, HO Circular 39/86, WO Circular 23/86. London: HMSO, 1986.

11. HOME OFFICE/DEPARTMENT OF THE ENVIRONMENT/WELSH OFFICE. *Guide to means of escape and related fire safety measures in certain existing houses in multiple occupation.* London: HMSO, 1988. (Replaced by DOE Circular 12/92 and WO Circular 25/92.)

A.3 Other residential

(See also A.1 — General)

Hospitals

1. HOME OFFICE/SCOTTISH HOME AND HEALTH DEPARTMENT. Fire precautions in hospital ward blocks of the deep plan type in multi-storey construction. FPN No. 1/1964. London: HMSO, 1964.

2. MINISTRY OF HEALTH. Emergency electrical services. HTM 11. London: HMSO, 1964.

3. MINISTRY OF HEALTH. Protection against fire. *Hospital Design Note No. 2.* London: HMSO: 1965. (Reprinted 1972)

4. MINISTRY OF HEALTH. *Fire precautions.* HTM 16. London: HMSO, 1966.

5. DEPARTMENT OF HEALTH AND SOCIAL SECURITY/WELSH OFFICE. National Health Service. Fire precautions in hospitals. *HM (69) 62*, July 1969. (Memorandum following a fire in a mental illness hospital in 1968 when 24 patients lost their lives)

6. HOME OFFICE. Fire precautions in hospitals. Co-operation between fire authorities and hospital authorities. *Fire Service Circular 4/1971.* London: HMSO, 1971.

7. HOME OFFICE/SCOTTISH HOME AND HEALTH DEPARTMENT. Draft guide to fire precautions in hospitals. London: HMSO, 1982. (Replaced by HTM 85.)

8. DEPARTMENT OF HEALTH AND SOCIAL SECURITY/WELSH OFFICE. *Firecode. Assessing fire risk in existing hospital wards. Health Technical Memorandum 86.* London: HMSO, 1987. (Replaced by *Fire risk assessment in hospitals*, HTM 86, London: HMSO, 1994.)

9. DEPARTMENT OF HEALTH/WELSH OFFICE. *Firecode. Nucleus fire precautions recommendations.* London: HMSO, 1989. (Replaced by HTM 81, London: HMSO, 1996.)

Residential care premises

10. HOME OFFICE. Fire precautions at Children's Homes. *Fire Prevention Note No. 5/1951.* London: HMSO, October 1951. (Superseded by *Fire Prevention Note No. 3/1963.*)

11. HOME OFFICE. Fire precautions in Approved Schools, Children's Homes and similar establishments. *Fire Prevention Note No. 3/1963.* London: HMSO, October 1963. (Incorporated in *Draft guide to fire precautions in existing residential care premises.*)

12. HOME OFFICE. Fire precautions in old persons' homes. *Fire Prevention Note No. 2/1964.* London: HMSO, November 1964. (Incorporated in *Draft guide to fire precautions in existing residential care premises.*)

13. HOME OFFICE. *Fire precautions in old persons' homes.* Dear Chief Officer Letter 3/79. (Supplemented guidance given in *Fire Prevention Note No. 2/1964* and in the Appendix to DCOL 36/76, following the Report of the Committee of Inquiry into the fire at Wensley Lodge Home for the elderly at Hessle, near Kingston-upon-Hull.)

Hotels and boarding houses

14. HOME OFFICE/SCOTTISH HOME AND HEALTH DEPARTMENT. *Guides to the Fire Precautions Act 1971. No. 1 Hotels and boarding houses.* London: HMSO, 1972. (Replaced by *Guide to fire precautions in premises used as hotels and boarding houses which require a fire certificate*)

A.4 Office, shop and commercial(See also **A.1 — General**)

1. HOME OFFICE. Shops and warehouses. Means of escape in case of fire (Barred exits). *Fire Prevention Note* No. 3/1951. London: Home Office, October 1951.
2. HOME OFFICE/SCOTTISH HOME DEPARTMENT. Fire precautions in department stores and large shops. *Fire Prevention Note* No. 1/61. London: Home Office, 1961. (Amended by *Fire Prevention Note* No. 2/1965.)
3. GREATER LONDON COUNCIL. *Code of practice for means of escape in case of fire and fire precautions*. Application of the Offices, Shops and Railway Premises Act 1963. London: GLC, 1966.
4. MINISTRY OF LABOUR. Offices, Shops and Railway Premises Act 1963. Fire-fighting equipment, fire alarms and fire drills in Offices and Shops. *SHW* 5. London: HMSO, 1966.
5. BRITISH STANDARDS INSTITUTION. *Code of basic data for the design of buildings. Precautions against fire. Shops and departmental stores*. British Standard Code of Practice CP3: Chapter IV : Part 2 : 1968. London: BSI, 1968. (Replaced by BS 5588 : Part 2.)
6. BRITISH STANDARDS INSTITUTION. *Code of basic data for the design of buildings. Precautions against fire. Office buildings*. British Standard Code of Practice CP3: Chapter IV : Part 3 : 1968. London: BSI, 1968. (Replaced by BS 5588 : Part 3.)
7. DEPARTMENT OF EMPLOYMENT AND PRODUCTIVITY. Means of escape in case of fire in offices, shops and railway premises. *Safety, Health and Welfare Booklet* (New Series.) No. 40. London: HMSO, 1969. (Second edition 1973.)
8. MINISTRY OF HOUSING AND LOCAL GOVERNMENT/WELSH OFFICE. The Building Regulations 1965. Town centres and shopping precincts. MHLG *Circular* 19/69, WO *Circular* 22/69). London: HMSO, 1969.
9. HOME OFFICE/SCOTTISH HOME AND HEALTH DEPARTMENT. Fire precautions in town centre redevelopment. *Fire Prevention Guide* No. 1. London: HMSO, 1972. (Replaced by BS 5588 : Part 10.)
10. HOME OFFICE/SCOTTISH HOME AND HEALTH DEPARTMENT. Guides to the Fire Precautions Act 1971. No. 3 Offices, shops and railway premises. London: HMSO, 1977. (Replaced by 'Fire Precautions Act 1971. Guide to fire precautions in existing places of work that require a fire certificate. Factories, offices, shops and railway premises'.)

A.5 Assembly and recreation(See also **A.1 — General**)**Places of assembly**

1. METROPOLITAN BOARD OF WORKS. The Metropolis Management and Building Acts Amendment Act, 1878. Regulations made by the Metropolitan Board of Works at a meeting held at the Offices of the Board, Spring Gardens, on Friday, the 2nd day of May, 1879, under the provisions of the above-mentioned Act. London: MBW, 1879.

2. LONDON COUNTY COUNCIL. Regulations of the London County Council under the orders of the Council applying to music, dancing, theatre and other licences. London: LCC, 2 December 1890.
3. LONDON COUNTY COUNCIL. The Metropolis Management and Building Acts Amendment Act 1878. Regulations made by the Council on the 9th of February 1892, with respect to the requirements for the protection from fire of theatres, houses, rooms and other places of public resort within the Administrative County of London. Publication No. 18. London: LCC, 1892. (Revised 30 July 1901, Publication No. 523)
4. STATUTORY RULES AND ORDERS. (England) Regulations, dated February 18, 1910, made by the Secretary of State under the Cinematograph Act, 1909. S.R. & O. 1910 No. 189. London: HMSO, 1910. (Amended in 1913 — S.R. & O. 1913 No. 566 and revised in 1923 — S.R. & O. 1923 No. 983.)
5. STATUTORY RULES AND ORDERS. (Scotland) Regulations, dated March 10, 1910, made by the Secretary for Scotland under the Cinematograph Act, 1909. S.R. & O. 1910 No. 289 (S.9). London: HMSO, 1910. (Amended in 1913 — S.R. & O. 1913 No. 665 (S.45))
6. STATUTORY RULES AND ORDERS. (Ireland) Regulations, dated April 20, 1910, made by the Lord Lieutenant under the Cinematograph Act, 1909. S.R. & O. 1910 No. 433. London: HMSO, 1910. (Amended in 1913 — S.R. & O. 1913 No. 785.)
7. LONDON COUNTY COUNCIL. Places of public entertainment. Regulations and rules with regard to structural requirements and requirements as to lighting, heating, electrical, ventilating and mechanical installations. Publication No. 2606. London: LCC, 1928. (Revised 1934 Publication No. 3004, 1939 — Publication No. 3399 and 1949 — Publication No. 3651.)
8. HOME OFFICE. *Manual of safety requirements in theatres and other places of public entertainment*. London: HMSO, 1935. (Replaced by *Guide to fire precautions in existing places of entertainment and like premises*.)
9. FIRE PROTECTION ASSOCIATION. *Fire precautions in small halls used for entertainment purposes*. London: FPA, 1952.
10. HOME OFFICE/SCOTTISH HOME DEPARTMENT. Cinematograph Acts 1909 and 1952. Recommendations on safety in cinemas. London: HMSO, 1955.
11. STATUTORY INSTRUMENTS. Cinematographs and Cinematograph Films. The Cinematograph (Safety) Regulations 1955. S.I. 1955 No. 1129. London: HMSO, 1955.
12. LONDON COUNTY COUNCIL. *Places of public entertainment. Protection from fire — regulations. Explanatory memorandum*. Publication No. 4227. London: LCC, 1964.
13. GREATER LONDON COUNCIL. Places of public entertainment. Rules as in force on 1 July 1970 with regard to the management of places of public entertainment licensed by the Greater London Council (other than smaller premises). London: GLC, 1972.

14. GREATER LONDON COUNCIL. Places of public entertainment. Rules as in force on 6 March 1973 for the management of smaller premises licensed by the Greater London Council for public music or music and dancing. London: GLC, 1973.

15. GREATER LONDON COUNCIL. Places of public entertainment. Technical regulations. London: GLC, 1966. (Revised 1972 and 1978) (Replaced by LDSA 'Model technical regulations for places of public entertainment'.)

16. GREATER LONDON COUNCIL. *Code of practice for pop concerts. A guide to safety health and welfare at one day events.* London: GLC, 1976. (Revised 1978) (Superseded by HSE *Guide to health, safety and welfare at pop concerts and similar events.*)

17. HOME OFFICE. *Guide to safety at fairs.* London: HMSO, 1976. (Replaced by HSE *A code of safe practice at fairs.*)

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Educational buildings

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22. HOME OFFICE. Fire precautions in Approved Schools, Childrens' Homes and similar establishments. *Fire Prevention Note* No. 3/1963. London: HMSO, October 1963. (Incorporated in *Draft guide to fire precautions in existing residential care premises.*)

23. DEPARTMENT OF EDUCATION AND SCIENCE. Safety at school. *Education Pamphlet* No. 53. London: HMSO, 1967.

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25. DEPARTMENT OF EDUCATION AND SCIENCE/WELSH OFFICE. Constructional standards for maintained and direct grant educational building in England and Wales. *Administrative Memorandum* 16/75. London: DES, 1975. (Updated by *Administrative Memorandum* 2/85.)

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28. SCOTTISH EDUCATION DEPARTMENT. A guide to fire safety in schools. *Educational Building Note* 16. Edinburgh: Scottish Office, 1979. (Replaced by Education Building Note 18.)

Sports grounds

29. HOME OFFICE/SCOTTISH HOME AND HEALTH DEPARTMENT. *Guide to safety at sports grounds.* London: HMSO, 1973. (Replaced by *Guide to safety at sports grounds (Football).*)

30. HOME OFFICE/SCOTTISH HOME AND HEALTH DEPARTMENT. *Guide to safety at sports grounds (Football).* London: HMSO, 1976. (Replaced by *Guide to safety at sports grounds, 1990.*)

Places of worship

31. FIRE PROTECTION ASSOCIATION. Fire protection of churches. *Technical Booklet* No. 9. London: FPA, 1952.

32. FIRE PROTECTION ASSOCIATION. *Fire protection in cathedrals.* London: FPA, 1956.

33. FIRE PROTECTION ASSOCIATION. Fire prevention and fire fighting in churches. *Technical Booklet* No. 35. London: FPA, 1957.

A.6 Industrial

(See also A.1 — General)

Factories

1. LOCAL GOVERNMENT BOARD. Model Byelaws, XVIII. Means of escape in case of fire in certain factories and workshops. London: HMSO, 1906. (Revised 1935)

2. HOME OFFICE. Fire protection in factories. *Safety Pamphlet* No. 13. London: HMSO, 1928. (New edition/revised 1935)

3. HOME OFFICE. Factories Act 1937. Means of escape in case of fire. Memorandum for the guidance of Local Authorities as to the granting of certificates under Section 34 of the Act. London: Home Office, 1938.

4. BUILDING RESEARCH STATION. Fire protection in factory buildings. *Factory Building Studies* No. 9. London: HMSO, 1960.

5. MINISTRY OF LABOUR. Factories Acts 1937 to 1959. Means of escape in case of fire. (Memorandum for the guidance of Fire Authorities on the granting of certificates under Section 34 of the 1937 Act as amended by Sections 9, 10 and 24 of the 1959 Act.) *Form* 2031. London: HMSO, 1960.

6. MINISTRY OF LABOUR. Fire fighting in factories. *Safety, Health and Welfare* (New Series) No. 10. London: HMSO, 1961. (2nd edition 1965, 3rd impression 1975.)

7. MINISTRY OF LABOUR. The structural requirements of the Factories Act. *Safety, Health and Welfare* (New Series) No. 16. London: HMSO, 1962. (Reprinted 1970.)

8. HOME OFFICE/SCOTTISH HOME AND HEALTH DEPARTMENT. Fire hazards and structural fire protection in large single-storey factories. *Fire Prevention Note* No. 1/1963. London: Home Office, January 1963.

9. MINISTRY OF LABOUR. Factories Act 1961. Means of escape in case of fire. Memorandum for the guidance of Fire Authorities on the granting of certificates under sections 40 to 45 of the Factories Act 1961. *SHW* 2031. London: HMSO, 1968.

10. DEPARTMENT OF EMPLOYMENT AND PRODUCTIVITY. Fire fighting in factories. *SHW* 2019. London: DEP, 1968.

11. DEPARTMENT OF EMPLOYMENT AND PRODUCTIVITY. Fire alarms in factories. *SHW* 1431. London: DEP, 1970.

12. DEPARTMENT OF EMPLOYMENT AND PRODUCTIVITY. Fire drills in factories. *SHW* 1441. London: DEP, date unknown.

13. DEPARTMENT OF EMPLOYMENT AND PRODUCTIVITY. Fire prevention in factories. *SHW* 1442. London: DEP, date unknown.

14. DEPARTMENT OF EMPLOYMENT AND PRODUCTIVITY. Fire precautions in tenement factories and parts of buildings let off as separate factories. *Form* 1448. London: DEP, date unknown.

15. HOME OFFICE/SCOTTISH HOME AND HEALTH DEPARTMENT. *Guides to the Fire Precautions Act 1971. No. 2 Factories.* London: HMSO, 1977. (Replaced by *Guide to fire precautions in existing places of work that require a fire certificate. Factories, offices, shops and railway premises.*)

Agriculture

16. FIRE PROTECTION ASSOCIATION. *Fire protection in rural areas.* London: FPA, [1950](date uncertain).

17. FIRE PROTECTION ASSOCIATION. *Fire safety on farms.* London: FPA, 1981.

18. COUNCIL FOR SMALL INDUSTRIES IN RURAL AREAS. *Fire precautions for thatched properties.* London: CoSIRA, 1977. (Replaced by SPAB/CoSIRA *The care and repair of thatched roofs.*)

A.7 Storage and other non-residential

(See also **A.1 — General**)

Warehouses

1. HOME OFFICE. Shops and warehouses. Means of escape in case of fire (Barred exits). *Fire Prevention Note* No. 3/1951. London: Home Office, October 1951.

2. HOME OFFICE. Fire precautions for the storage of rubber in buildings. *Fire Prevention Note* No. 5/53. London: Home Office, December 1953.

3. WILLIAMS, C E. *Problems of fire in high-bay warehouses.* Cranfield: NMHC, 1971. (Superseded by *Fire prevention in high bay warehouses.*)

Car parks

4. HOME OFFICE. Petroleum (Consolidation) Act, 1928. Model code of principles of construction and licensing conditions for the storage of cans drums and other receptacles, Petrol filling stations, and Basement sub-basement garages and underground car parks. London: HMSO, 1957.

A.8 Miscellaneous

Atrium buildings

1. GREATER LONDON COUNCIL. Fire safety for the atrium. *Technical Information Note.* London: GLC, 1985. (Replaced by *LDSA Fire Safety Guide* No. 2.)

Buildings of excess height and/or additional cubical extent

2. GREATER LONDON COUNCIL. London Building Acts (Amendment) Act 1939. Section 20. Code of practice for buildings of excess height and/or additional cubical extent requiring approval under Section 20 of the London Building Acts (Amendment) Act 1939. London: GLC, [1972]. (Reprinted 1978.) (Replaced by *LDSA Fire Safety Guide* No. 1.)

Buildings under construction

3. DEPARTMENT OF THE ENVIRONMENT. *Standard fire precautions.* P5. London: HMSO, 1972. (Revised 1975 and 1980.) (Replaced by *Standard fire precautions for contractors engaged on works for Crown Civil and Defence Estates.*)

Computer installations

4. FIRE OFFICES' COMMITTEE. *Recommendations for the protection of computer installations against fire.* London: FOC, 1972.

5. BRITISH STANDARDS INSTITUTION. *Fire protection for electronic data processing installations.* British Standard Code of Practice CP 95. London: BSI, 1970. (Replaced by BS 6266.)

Ducts for building services

6. BRITISH STANDARDS INSTITUTION. *Ducts for building services.* British Standard Code of Practice CP 413 : 1973. London: BSI, 1973. (Replaced by BS 8313 and BS 5588 : Part 9.)

Insurance requirements

7. FIRE OFFICES' COMMITTEE. Rules of the Fire Offices' Committee for the construction of buildings. Classes I, II and III. London: FOC, 1972. (Replaced by *LPC Code of practice for the construction of buildings. Insurers' rules for the fire protection of industrial and commercial buildings.*)

8. FIRE OFFICES' COMMITTEE/FIRE OFFICES' COMMITTEE OF IRELAND. Rules for the construction of buildings. Grades 1 and 2. London: FOC, 1978. (Replaced by *LPC Code of practice for the construction of buildings. Insurers' rules for the fire protection of industrial and commercial buildings.*)

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(Replaced by LPC *Code of practice for the construction of buildings. Insurers' rules for the fire protection of industrial and commercial buildings.*)

Laboratories

10. HOME OFFICE/SCOTTISH HOME DEPARTMENT. Fire prevention in laboratories. *Fire Prevention Note* No. 2/62. London: Home Office, March 1962.

Petrol filling stations, depots and major installations

11. HOME OFFICE. Petroleum (Consolidation) Act, 1928. Model code of principles of construction and licensing conditions. Part I, The storage of cans, drums and other receptacles, Petrol filling stations, and Basement sub-basement garages and underground car parks. London: HMSO, 1957. (Revised 1968, reprinted 1971.) (Section 1 replaced by HSE guide HS(G)51, Section 2 replaced by HSE guide HS(G)41.)

12. HOME OFFICE. Petroleum (Consolidation) Act, 1928. Model code of principles of construction and licensing conditions. Part II, Distributing depots and major installations. London: HMSO, 1958. (Second edition 1968) (Replaced by HSE guides HS(G)50 and HS(G)52)

Use and storage of flammable substances

13. HOME OFFICE. Report of the committee on celluloid storage. London: HMSO, 1950. (Cmd 7929.)

14. HOME OFFICE/SCOTTISH HOME AND HEALTH DEPARTMENT. Safe use and storage of liquefied petroleum gas in residential premises. *Fire Prevention Guide* No. 4. London: HMSO, 1976. (Replaced by LPGA Code of practice No. 24)

15. MINISTRY OF LABOUR. The bulk storage of liquified petroleum gas at factories. *Safety, Health and Welfare* (New Series) No. 30. London: HMSO, 1965. (Replaced by Health and Safety at Work No. 30.)

16. DEPARTMENT OF EMPLOYMENT AND PRODUCTIVITY. Use of flammable liquids in factories. *Form* 1447. London: DEP, date unknown.

17. DEPARTMENT OF EMPLOYMENT. The storage of liquefied petroleum gas at factories. *Health and Safety at Work* No. 30. London: HMSO, 1973. (Replaced by HS(G)15.)

18. HEALTH AND SAFETY EXECUTIVE. Storage of liquified petroleum gas at factories. *HS(G)15*. London: HMSO, 1981. (Replaced by HSE guide HS(G)34.)

19. HEALTH AND SAFETY EXECUTIVE. *Petrol filling stations: construction and operation.* HS(G)41. London: HMSO, 1990. (Replaced by HSE guide HS(G)146.)

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