



BSI Standards Publication

Code of practice for the operation of fire protection measures

Part 6: Fire detection and fire alarm systems – Interface with ancillary systems and equipment

Publishing and copyright information

The BSI copyright notice displayed in this document indicates when the document was last issued.

© The British Standards Institution 2019

Published by BSI Standards Limited 2019

ISBN 978 0 50 99789 1

ICS 3.22.20

The following BSI references relate to the work on this document:

Committee reference FSH/12/4

Draft for comment 19/30372523 DC

Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

Contents

	Page
Foreword	ii
1 Scope	1
<i>Figure 1 — Scope of BS 7273-6</i>	2
2 Normative references	2
3 Terms and definitions	3
4 General recommendations for interface connections	5
5 Status monitoring	6
6 Exchange of information and definition of responsibilities	7
7 Variations from the recommendations of this standard	8
8 Smoke control systems	8
9 Lifts and other lifting appliances	9
9.1 General	10
9.2 Passenger lifts not intended to stay in operation in the event of fire	10
9.3 Firefighters lifts	10
9.4 Evacuation lifts	10
9.5 Vertical lifting appliance with enclosed carrier intended for use by persons including persons with disability	11
9.6 Lifting platforms	11
10 Gas valves	11
11 Fire-resisting shutters and active fire curtain barrier assemblies	13
<i>Figure 2 — Protection where fire-resisting shutters and active fire curtain barrier assemblies between a large room or open plan area and a corridor, stairway or lift shaft close automatically</i>	15
<i>Figure 3 — Protection where fire-resisting shutters and active fire curtain barrier assemblies between a corridor and a stairway close automatically</i>	16
12 Electricity supplies	16
13 Ventilation systems (other than those used for smoke clearance or control)	17
14 Lighting, intelligent signage and wayfinding	18
15 Paging systems	19
16 Cables, wiring and other interconnections	20
17 Electromagnetic compatibility (EMC)	21
18 Electrical safety	22
19 Commissioning	23
20 Maintenance	25
20.1 Routine testing	25
20.2 Inspection and servicing	26
20.3 Inspection and test over a 12-month period	27
Annex A (informative) Applications for interfaces	28
Annex B (informative) Model commissioning certificate	31
<i>Figure B.1 — Model commissioning certificate</i>	31
Annex C (informative) Model servicing certificate	32
<i>Figure C.1 — Model servicing certificate</i>	32
Bibliography	33

Summary of pages

This document comprises a front cover, and inside front cover, pages i to iv, pages 1 to 34, an inside back cover and a back cover.

Foreword

Publishing information

This part of BS 7273 is published by BSI Standards Limited, under licence from The British Standards Institution, and came into effect on 31 August 2019. It was prepared by Subcommittee FSH/12/4, *Automatic operation of fire protection*, under the authority of Technical Committee FSH/12, *Fire detection and alarm systems*. A list of organizations represented on these committee can be obtained on request to their secretary.

Relationship with other publications

BS 7273 is published in six parts:

- Part 1: *Electrical actuation of gaseous total flooding extinguishing systems;*
- Part 2: *Mechanical actuation of gaseous total flooding and local application extinguishing systems;*
- Part 3: *Electrical actuation of pre-action watermist and sprinkler systems;*
- Part 4: *Actuation of release mechanisms for doors;*
- Part 5: *Electrical actuation of watermist systems (except pre-action systems);*
- Part 6: *Fire detection and fire alarm systems – Interference with ancillary systems and equipment.*

Information about this document

This is a new part of the BS 7273 series.

This publication can be withdrawn, revised, partially superseded or superseded. Information regarding the status of this publication can be found in the Standards Catalogue on the BSI website at bsigroup.com/standards, or by contacting the Customer Services team.

Where websites and webpages have been cited, they are provided for ease of reference and are correct at the time of publication. The location of a webpage or website, or its contents, cannot be guaranteed.

Use of this document

As a code of practice, this part of BS 7273 takes the form of guidance and recommendations. It should not be quoted as if it were a specification and particular care should be taken to ensure that claims of compliance are not misleading.

Any user claiming compliance with this part of BS 7273 is expected to be able to justify any course of action that deviates from its recommendations.

It has been assumed in the preparation of this part of BS 7273 that the execution of its provisions will be entrusted to appropriately qualified and experienced people, for whose use it has been produced.

Competence of organizations involved in the design and installation of ancillary systems and equipment can be assured by the use of organizations that are third-party certificated, by a UKAS-accredited certification body, to carry out such activities.

Presentational conventions

The provisions of this standard are presented in roman (i.e. upright) type. Its recommendations are expressed in sentences in which the principal auxiliary verb is “should”.

Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.

Where words have alternative spellings, the preferred spelling of the Shorter Oxford English Dictionary is used (e.g. “organization” rather than “organisation”).

Contractual and legal considerations

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

Currently in preview, click buy full version

1 Scope

This part of BS 7273 gives recommendations for the design, installation, commissioning and maintenance of interface arrangements between fire detection and fire alarm systems conforming to BS 5839-1:2017 and various ancillary systems and equipment (ASE), where this interface is required by the fire strategy for a building, excluding the interface with those systems covered in other parts of the BS 7273 series.

Arrangements covered by this part of BS 7273 include the interface between fire detection and fire alarm systems and:

- smoke control systems;
- lifts and other lifting appliances;
- gas valves;
- fire-resisting shutters and active fire curtain barrier assemblies;
- electricity supplies;
- ventilation systems;
- lighting, intelligent signage and wayfinding; and
- paging systems.

This part of BS 7273 does not apply to the interface between ASE contained solely within a private dwelling and the fire detection and fire alarm system within the dwelling. It applies to systems installed in the common parts of blocks of flats (e.g. activation of the smoke control system), and where the actuation of the detection within a dwelling is intended to interact with a system within common parts (such as in sheltered housing).

The scope of this part of BS 7273 is shown diagrammatically in [Figure 1](#).