Hidden World of KO

1: KO Built Environment

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ISKO Meetup London 19 May 2020

ISKO UK Meetup

Knowledge Organization In the Built Environment

Building Information Strategy

- Tools
- Resources
- Collaboration & Processes
- Technology
- Standards
- People

Standards

- Approved Documents
  - Portable Document Format (PDF) & Eprints Repository
  - Overlay of Information

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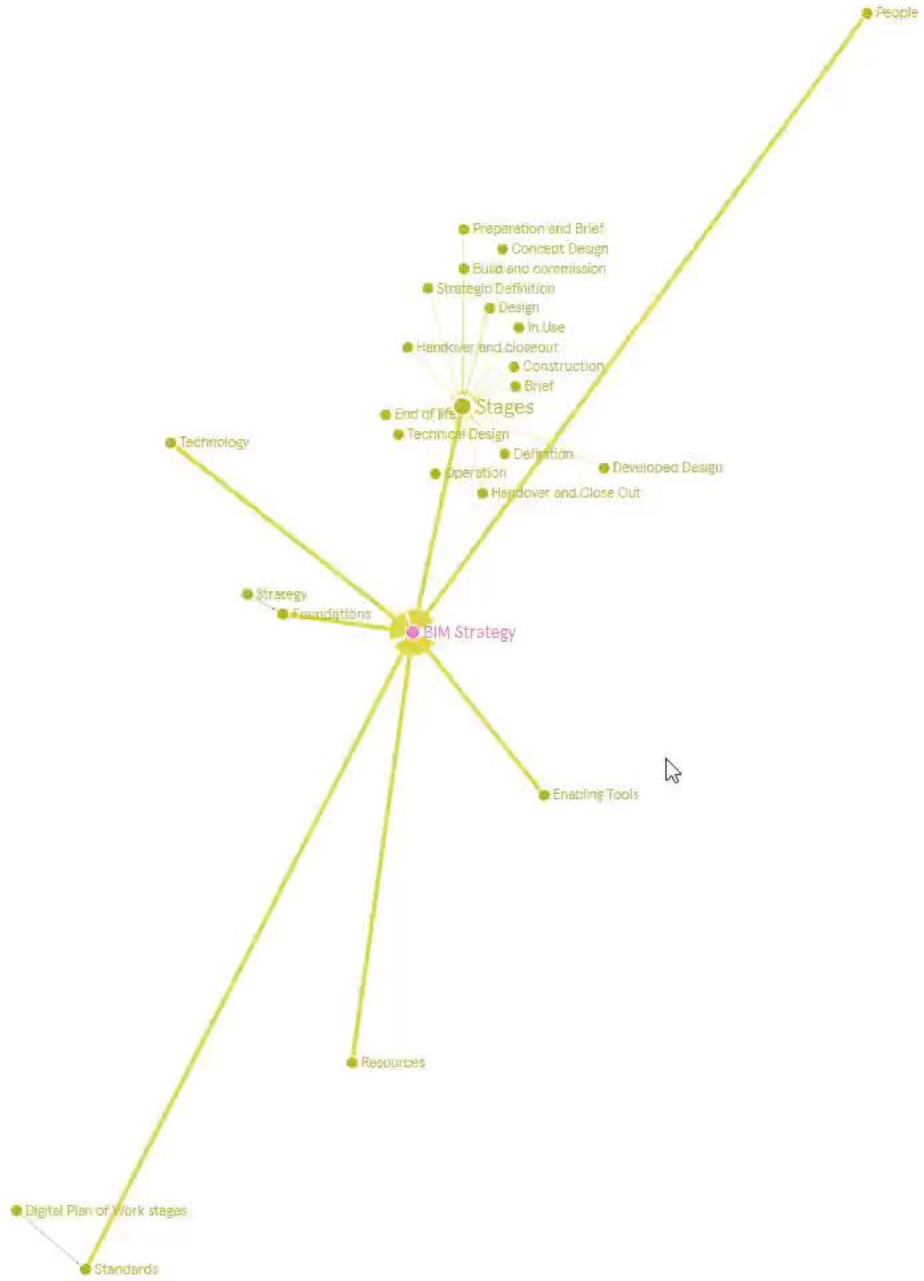

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Governing Body Standards

ALL . NONE

- British Standards 40
- International Organization for Standardization 23
- Construction Industry Council 7
- Ministry of Housing, Communities & Local Government 6
- OMG 2

+ MORE

Node Type *All Node Types*

ALL • NONE

- Technology 142
- Person 128
- Enabling Tools 110
- Standards 109
- Stages 25
- Process 11
- Resources 9
- Information TBC 8
- Collaboration 5
- Foundations 4
- Strategy 1

- LESS

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Graph Commons

ONLINE VERSION

HM Government

The Building Regulations 2010

Fire safety

APPROVED DOCUMENT

B

Table C1 Provisions for fire doorsets

Position of door	Minimum fire resistance of door in terms of integrity (minutes) when tested to the relevant European standard[1]	Minimum fire resistance door in terms of integrity (minutes) when tested to BS 476-22
1. **In a compartment wall separating buildings**	Same as for the wall in which the door is fitted, but a minimum of 60 minutes	Same as for the wall in the door is fitted, but a minimum of 60 minutes
2. **In a compartment wall:**		
a. if it separates a flat from a space in common use	E 30 S_a[2]	FD 30 S[2]
b. enclosing a protected shaft forming a stairway wholly or partly above the adjoining ground in a building used for flats, other residential, assembly and recreation, or office purposes	E 30 S_a[2]	FD 30 S[2]
c. enclosing a protected shaft forming a stairway not described in (b) above	Half the period of fire resistance of the wall in which it is fitted, but 30 minutes minimum and with suffix S_a[2]	Half the period of fire resistance of the wall in which it is fitted, but 30 minutes minimum and with suffix S[2]
d. enclosing a protected shaft forming a lift or service shaft	Half the period of fire resistance of the wall in which it is fitted, but 30 minutes minimum	Half the period of fire resistance of the wall in which it is fitted, but 30 minutes minimum
e. not described in (a), (b), (c) or (d) above.	Same as for the wall in which it is fitted, but add S_a[2] if the door is used for progressive horizontal evacuation under the guidance to requirement B1	Same as for the wall in it is fitted, but add S[2] if door is used for progressive horizontal evacuation under the guidance to requirement B1
3. **In a compartment floor**	Same as for the floor in which it is fitted	Same as for the floor in which it is fitted

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Search results for *"diagram 15.1"*

Displaying results 1 to 5 of 5.
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BS 9999:2017 Fire safety in the design, management and use of buildings [change]

1. Para:14.4 Design and construction of fire mains In:Section 14: Fire mains and hydrants – flats
   The outlets from fire mains should be located within the protected stairway enclosure (see Diagram 15.1). Remove

2. Para:15.1 Diagram 15.1 Components of a firefighting shaft In:Section 15: Access to buildings for firefighting personnel – flats
   UNSPECIFIED
   +1 more... Remove

3. Para:15.2 Provision of firefighting shafts In:Section 15: Access to buildings for firefighting personnel – flats
   A building with a storey more than 18m above the fire and rescue service vehicle access level should have one or more firefighting shafts, each containing a firefighting lift (Diagram 15.1). The number and location of firefighting shafts should comply with paragraphs 15.4 to 15.7. Firefighting shafts are not required to serve a basement that is not large or deep enough to need one (see paragraph 15.3 and Diagram 15.2). Remove

4. Para:15.8 Design and construction of firefighting shafts In:Section 15: Access to buildings for firefighting personnel – flats
   Firefighting stairs and firefighting lifts should be approached from either of the following.
   a. A firefighting lobby.
   b. A protected corridor or protected lobby that complies with the following guidance.
   i. Means of escape (Section 3).
   ii. Compartmentation (Section 7).
   Both the stair and lobby of the firefighting shaft should be provided with a means of venting smoke and heat (see clause 27.1 of BS 9999).
   Only services associated with the firefighting shaft, such as ventilation systems and lighting for the firefighting shafts, should pass through or be contained within the firefighting shaft.
   Doors of a firefighting lift landing should be a maximum of 7.5m from the door to the firefighting stair (Diagram 15.1). Remove

5. Para:15.9 Design and construction of firefighting shafts In:Section 15: Access to buildings for firefighting personnel – flats
   Firefighting shafts should achieve a minimum fire resistance of REI 120. A minimum of REI 60 is acceptable for either of the following (see Diagram 15.1)
   a. Constructions separating the firefighting shaft from the rest of the building.
   b. Constructions separating the firefighting stair, firefighting lift shaft and firefighting lobby. Remove

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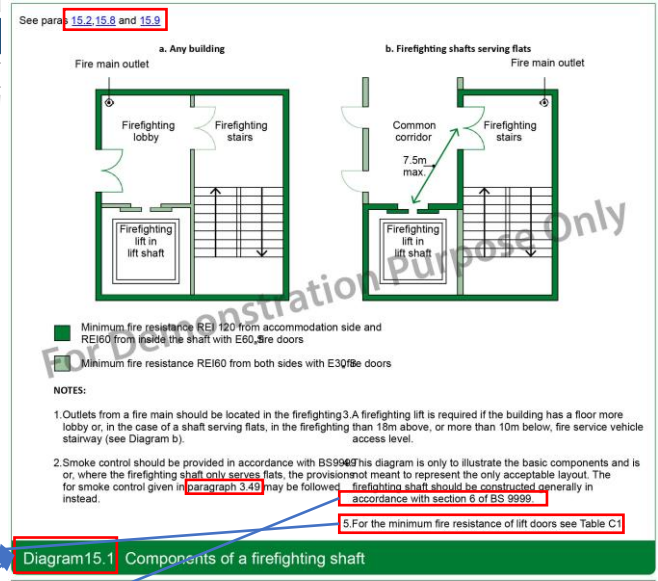
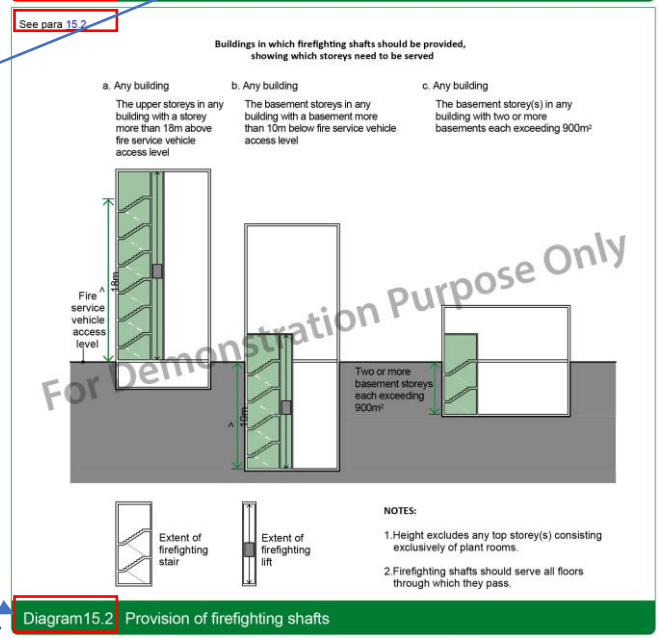
guidance for fire safety is powered by EPrints 3.4 which is developed by the School of Electronics and Computer Science at the University of Southampton. More information and software credits.





Approved Document B / network of references

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Knowledge interoperability

Search results for means of esc

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Search results for *means of escape*

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Para:0.3 Arrangement of sections In:Section 0: Approved Document B: Fire safety - dwellings

The provisions in this document have the following aims.
Requirement B1: When there is a fire, ensure both:
a. satisfactory means of sounding an alarm
b. satisfactory means of escape for people.
Requirement B2: Inhibit the spread of fire over internal linings of buildings.

are achieved in the event of a fire:

ning buildings

compliance with regulations 6(4) and 7(2))

around buildings.

afety - dwellings

scape from flats are applicable to sheltered housing, the nature of the
he extent of such measures will depend on the form of the
o storey flats, with few communal facilities, will not need to be treated

escape

f the following.
the building.
e.
adequate capacity.
d. Where necessary, escape routes are sufficiently protected from the effects of fire and smoke.
e. Escape routes are adequately lit and exits are suitably signed.
f. There are appropriate provisions to limit the ingress of smoke to the escape routes, or to restrict the spread of fire and remove smoke.
g. For buildings containing flats, there are appropriate provisions to support a stay put evacuation strategy.
The extent to which any of these measures are necessary is dependent on the use of the building, its size and its height.
Building work and material changes of use subject to requirement B1 include both new and existing buildings.

Designing Buildings Wiki

Means of escape

Requirement B1 of the building regulations requires that when there is a fire, there is both:

- Satisfactory means of sounding an alarm.
- Satisfactory means of escape for people.

Approved document B, Fire Safety, Volume 2, Buildings other than dwellinghouses, defines 'means of escape' as:

'Structural means that provide one or more safe routes for people to go, during a fire, from any point in the building to a place of safety.'

The approved document defines an escape route as 'The route

Fresource%2Fc_10ea4ecc

Vocabularies About Feedback Help | suomeksi på svenska

Content language English | Search

building regulations guidance > part b - fire safety > fire safety - volume 2: buildings other than dwellings. 2019 edition - for use in england > appendix a: key terms > means of escape
building regulations guidance > part b - fire safety > fire safety - volume 1: dwellings. 2019 edition - for use in england > appendix a: key terms > means of escape

PREFERRED TERM	**means of escape**
DEFINITION	Structural means that provide one or more safe routes for people to go, during a fire, from any point in the building to a place of safety.
BROADER CONCEPT	appendix a: key terms
SOURCE	fire safety - volume 1: dwellings. 2019 edition - for use in england fire safety - volume 2: buildings other than dwellings. 2019 edition - for use in england
URI	http://buildvoc.co.uk/resource/c_10ea4ecc
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References

-Graph Commons
https://graphcommons.com/graphs/7caaf458-1afc-425f-99cf-bcce2d4fe877
-Approved Documents building regulations guidance for fire safety
https://eprints.buildvoc.co.uk/
-Designing Buildings Fire Fox Addon
https://addons.mozilla.org/en-GB/firefox/addon/designing-buildings-anywhere/
-NBS Periodic Table of BIM referenced author of definitions
https://www.thenbs.com/knowledge/introducing-the-periodic-table-of-bim

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