

CIBSE Guide D – 2025

Vol 4. (Yellow Book)

Technical Editor: Jonathan Beebe

1	Intro	06	Michael Bottomley
14	Data, cyber	22	Jonathan, etc
15	Comm, testing	27	David, Vince
16	Modernisation	32	Micky
17	Regs and Acts	12	Chuan Lim
18	Standards	14	Chuan Lim
A1	Listings	27	Chuan Lim



17 European Directives, UK Acts and UK Regulations

Principal author

Dr Gina Barney (Gina Barney Associates)

Contents

17.1	Important note	17-1
17.2	European Directives	17-2
17.2.1	Electromagnetic Compatibility Directive (EMCD)	17-2
17.2.2	Lift Directive (LD)	17-2
17.2.3	Low Voltage Directive (LVD)	17-2
17.2.4	Machinery Directive (MD)	17-3
17.3	UK Acts of Parliament	17-3
17.3.1	The Data Protection Act 2018	17-3
17.3.2	Equality Act 2010	17-4
17.3.3	Health and Safety at Work etc. Act 1974 (HSWA)	17-5
17.4	UK Regulations	17-5
17.4.1	Construction (Design and Management) Regulations 2015 (CDM)	17-6
17.4.2	Control of Asbestos at Work Regulations 2012 (CAWR)	17-6
17.4.3	Control of Substances Hazardous to Health Regulations 2002 (COSHH)	17-7
17.4.4	Electricity at Work Regulations 1989 (EWR)	17-7
17.4.5	Electrical Equipment (Safety) Regulations 1994	17-7
17.4.6	Health and Safety (Safety Signs and Signals) Regulations 1996	17-8
17.4.7	Lifting Operations and Lifting Equipment Regulations 1998 (LOLER)	17-8
17.4.8	Lifts Regulations 2016	17-9
17.4.9	Management of Health and Safety at Work Regulations 1999 (MHSWR)	17-9
17.4.10	Provision and Use of Work Equipment Regulations 1998 (PUWER)	17-10
17.4.11	Personal Protective Equipment (Enforcement) Regulations 2018 (PPE)	17-10
17.4.12	Supply of Machinery (Safety) Regulations 2008	17-11
17.4.13	Workplace (Health, Safety and Welfare) Regulations 1992	17-11
17.4.14	Work at Height Regulations 2005 (WAHR)	17-11

18 British, European and International Standardization for transportation systems in buildings

Lead author

Dr Gina Barney (Gina Barney Associates)

Contents

18.1	British Standards	18-1
18.1.1	Overview	18-1
18.1.2	UK Lift Committee	18-2
18.1.3	Developing a British Standard	18-3
18.1.4	Interpretations and commenting procedure	18-3
18.1.5	Published standards	18-3
18.2	European Committee for Standardization (CEN)	18-4
18.2.1	Overview	18-4
18.2.2	European Lift Committee CEN/TC10	18-4
18.2.3	Developing a European Standard	18-5
18.2.4	Interpretations and commenting procedure	18-5
18.2.5	Published standards etc.	18-6
18.3	ISO Standards etc.	18-7
18.3.1	Overview	18-7
18.3.2	International Lift Committee ISO/TC178	18-8
18.3.3	Developing an International Standard	18-9
18.3.4	Interpretations and commenting procedure	18-10
18.3.5	Published standards etc.	18-10
18.4	Development of an ISO prescriptive standard for lift safety	18-12
18.4.1	Commenting procedure on British (UK) Standards	18-13

Reference

Appendix 18.1: Commenting procedure on British (UK) Standards

Annex 1: Legislation, standards etc. related to lifts, escalators and moving walks

Principal author

Dr Gina Barney (Gina Barney Associates)

WARNING: The sections of this annex lists legislation and standards relevant to lifts, lifting platforms, stairlifts, escalators and moving walks. The lists were as comprehensive and up-to-date as possible at the time of publication (September 2020).

Some standards are legacy standards and others are under review or development at the time of publication and readers are advised to seek the latest or relevant version.

The entries are arranged in numerical and date order. They include entries which are now not current. These may be useful when dealing with equipment not installed to the current requirements, for example in respect of a legal matter.

For the latest information readers should consult government websites regarding current legislation and BSJ on-line (<http://bsjonline.techindex.co.uk>) regarding current standards.

The European Commission's 'Enterprise and Industry' website (http://ec.europa.eu/enterprise/sectors/mechanicallifts/index_en.htm) has additional information.

A1.1 Legislation related to lifts, escalators and moving walks

A1.1.1 Relevant European Directives and related documents*

86/312/EEG 86/312/EEC Commission Directive of 18 June 1986 adapting to technical progress Council Directive 84/529/EEC on the approximation of the laws of the Member States relating to electrically operated lifts.

89/392/EEC Council Directive of 14 June 1989 on the approximation of the laws of Member States relating to machinery.

90/486/EEG 90/486/EEC Council Directive of 17 September 1990 amending Directive 84/529/EEC on the approximation of the laws of the Member States relating to electrically operated lifts (90/486/EEC).

95/16/EG 95/16/EC European Parliament and Council Directive 95/16/EC of 29 June 1995 on the approximation of the laws of the Member States relating to lifts.

95/16/EGVerz 2000 95/16/ECVerz 2000 00/C292/01 List of notified bodies designated by the Member States and the EFTA countries (EEA Members) under the new approach Directives.

2006/42/EC of the European Parliament and of the Council of 17 May 2006 on machinery, and amending Directive 95/16/EC (recast) became applicable on 29 December 2009.

* Please refer to the note on the UK's withdrawal from the European Union at the beginning of this Guide.



Adam Scott
Technical director of
vertical transportation at
SWECO

BSI codes and standards
representative for the
CIBSE Lifts Group

National

- BS 7255 – DPC now complete, 425 comments received. Group working through comments at the moment, publication likely Q42023
- BS 5655 part 11 – modernisation will follow next year and will combine Part 12 (hydraulic) into one new Part 11
- BS 8899 – mod of fire lifts will then follow
- BS 5655 Part 6 is then planned to follow back end of 2024 and align in particular with revision of CIBSE Guide D
- BS 8300 under review currently controlled by B/559
- BS 9991 still working through comments. It cannot comment on evacuation lifts whilst CEN is developing Part 76
- Approved Document M – under review.

International

- EN ISO 8100-1 developing and will be out to enquiry end of this year. Major technical update. Will run in parallel with Part 20 for a three year period, before Part 20 withdrawn. During parallel period be able to supply to either standard. Likely to be published as a harmonized standard in 2025.
- Part 28 nearly complete. Concerns that the latest draft has lost some important elements of the 2018 standard, especially the requirement for testing 6.2. Will be out for DPC later this year.
- EN115. Fall protection discussion still ongoing. ISO 8103-1 will become harmonized in 2025 and will replace EN 115-1.
- Discussion on escalator runaways which are continuing to happen (Argyle St station in Glasgow) and how to address in a standard. Preference for main drive shaft brakes and speed monitors. It's already a requirement for China. Most escalators have a head shaft brake anyway it's just the addition of the speed monitor that's required. We should tighten our specification on this.
- EN115-5. Replacing escalators standard is under revision as well. DPC back end of this year.
- Part 76 – comment resolution still underway. Significant changes- have been made: Class A / Class B lifts now defined. Hoping for final version out for vote Q4 2023 -

BSI Documents - MHE/4

The following standards have gone through the internal checking process of BEIS OPSS and are currently on GOV.UK as notices of proposal to designate:

References to standards relating to lifts in support of the Lifts Regulations 2016 (S.I. 2016/1093)

- 1) EN 81-21:2022 - Safety rules for the construction and installation of lifts – Lifts for the transport of persons and goods – Part 21: New passenger and goods passenger lifts in existing building
- 2) EN 81-28:2022 - Safety rules for the construction and installation of lifts – Lifts for the transport of persons and goods – Part 28: Remote alarm on passenger and goods passenger lift
- 3) EN 81-58 - Safety rules for the construction and installation of lifts – Examination and tests – Part 58: Landing doors fire resistance test
- 4) EN 81-70:2021+A1:2022 - Safety rules for the construction and installations of lifts – Particular applications for passenger and good passengers lifts – Part 70: Accessibility to lifts for persons including persons with disability
- 5) EN 81-77:2022 - Safety rules for the construction and installations of lifts – Particular applications for passenger and goods passenger lifts – Part 77: Lifts subject to seismic conditions



Nick Mellor
Managing Director at Lift
and Escalator Industry
Association LEIA

Possible updates ...

- 17.2 EU legislation no longer has the same place in the hierarchy so maybe this section could be moved later. Post Brexit, we could say something about the status of EU legislation, and that we still have significant retained EU law (REUL). In 2027, the EU Machinery Regulation will replace the EU Machinery Directive and that has implications. Will the UK remain aligned?
- 17.3 Needs the addition of the Building Safety Act. There is a wider question of how Guide D covers this.
- 17.4 – this is far from comprehensive e.g. do we need to include Regulatory Reform (Fire Safety) Order 2005 (and equivalent regs in NI and Scotland), Fire Safety (England) Regulations 2022, and the plethora of regulations under the Building Safety Act which might have an impact?

In Summary

1. Apart from text and formatting...
2. Revision to Current Position
3. Add Building Safety Act and London Plan (if available)
4. Updates of all URL links
5. Prepare and revise to ensure up to date Mid 2025

Email

liftsgroup@cibse.org

Subject line: GUIDE D 2025

Table A18.1 Example of a Commenting template

Template for comments and secretariat observations
Gina Barney

Date: Today	Document: ISO/DIS 8100-32	Project: GDD:2025
-------------	---------------------------	-------------------

MB	Line	Clause	Para Fig Tab	Type	Comments	Proposed changes	Observations of secretariat
1	Title			G	The title of this standard is confusing as it implies that it covers all the aspects of planning and selecting a lift. It only is concerned with <u>traffic</u> planning and selection.	For clarity revise title to: Part 32: <u>Traffic</u> planning and selection of passenger lifts to be installed in office, hotel and residential buildings Also in Foreword.	Agreed
2	Page 1	1		E	"planning" and "traffic planning" are used interchangeably.	For clarity, change all references to "traffic planning"	Agreed
3	Page 3	3.4	Note 2	E	"1" is missing at end of source reference"	6 instances Correct	Done
4	Page 5	3.21		T	It is not clear that nominal travel time is calculated by dividing the travel distance between terminal landings by the rated speed.	For clarity, add "Note 2 Nominal travel time is calculated by dividing the lift travel between terminal floors by the rated speed."	Agreed
5	Page 6	3.30		T	"required handling capacity" and passenger demand terminology needs additional explanation.	For clarity add "Note 3 The required handling capacity determines the passenger demand (3.24), which is used in calculation and simulation. In calculation this is denoted %POP (4). In simulation passenger demand is specified in conjunction with a traffic mix (3.35).	Agreed
6	Page 7	3.41		T	Note 2 should include "opening" as this phase also yields zero time waiting for the passenger.	For clarity in Note 2 change "are open" to "are open or opening".	Done

1 MB = Member body
2 Type of comment: G = general T = technical E = editorial