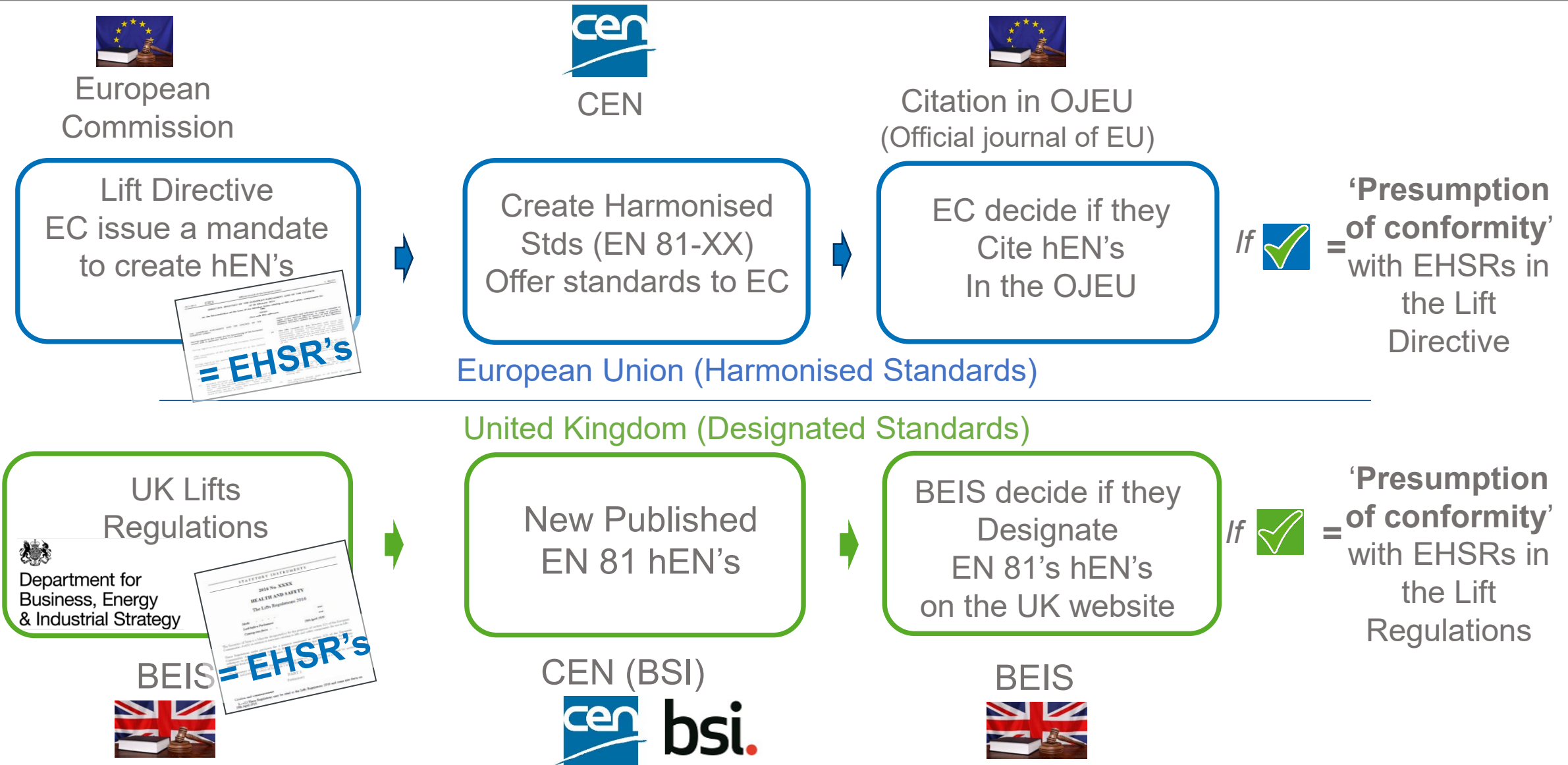


Revision of EN 81-20 and the EN 81 family of designated standards



EN 81 series of standards

Roadmap for citation of harmonised standards for lifts



[Home](#) > [Business and industry](#)

Guidance

Designated standards: lifts

Notices of publication and a consolidated list for designated standards for lifts.

From: [Office for Product Safety and Standards](#) and [Department for Business, Energy & Industrial Strategy](#)

Published 9 December 2020

Last updated 18 November 2021 — [See all updates](#)

Documents



[Designated standards: lifts – consolidated list, version 3, 18 November 2021](#)

ODS, 9.81 KB

This file is in an [OpenDocument](#) format

Three-part road to align the EN 81 series of standards

Part 1 of the Road map

1

EN81-20:2014 & EN 81 50:2014 were updated EN81-20:2020 & EN 81 50:2020

Scope of revision:

- ☐ A clean up and removal of any undated external references, all external references must be dated
- ☐ Updated foreword detailing the changes above and stating no technical changes had been made, this is important to make manufacturers aware no product changes are required
- ☐ Updated Annex ZA giving a direct correlation between the clause in the standard and the EHSR in the directive

Table ZA.1 — Correspondence between this European Standard and Annex I of Directive 2014/33/EU

Essential Requirements of Directive	Clause(s)/subclause(s) of this EN	Remarks/Notes
1.1	See Table ZA.2	
1.2	5.4.1, 5.4.2, 5.4.3, 5.4.4	
1.3	5.4.11, 5.5.1, 5.5.2, 5.5.4, 5.5.5, 5.5.6, 5.5.7, 5.5.8	Counterweight, suspension, safety factors, terminations, positive drive, distribution, compensation, pulleys and sprockets
1.4.1	5.12.1.2	Load control
1.4.2	5.6.1, 5.6.2.2.1.1, 5.6.3, 5.6.4, 5.6.6	General provisions, governor, rupture valve, restrictor, ACOP
1.4.3	5.6.1, 5.6.2.2.1.1, 5.6.6	General provisions, governor, rupture valve, restrictor, ACOP
1.4.4	5.5.3	Traction
1.5.1	5.2.5.1, 5.9.1.1	Single machines
1.5.2	5.2.1.2, 5.2.1.5, 5.2.1.8, 5.2.1.9, 5.2.2, 5.2.3, 5.2.4, 5.2.5.2, 5.2.5.3, 5.2.5.5.2, 5.2.6.3, 5.2.6.4, 5.2.6.5, 5.2.6.6, 5.2.6.7, 5.3	Accessibility, pit equipment, building fabric,
1.6.2	5.1.2, 5.2.4, 5.2.6.2, 5.2.6.4.1.3, 5.4.2.3.2, 5.10.10, 5.12.1.1.1, 5.12.1.1.2, 5.12.1.1.3, 5.12.1.5, 5.12.1.10	Clear indication of control function



0:2020

standard

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Part 1 of the Road map

1

EN 81 20:2020 & EN 81:50:2020 were published, and later cited in the OJEU and designated on the .gov website

However, these standards need to be revised in order to:

- ☐ ensure that the clauses of the standard are clear, verifiable & consistent
- ☐ avoid overlapping or conflict with national regulations related to building construction
- ☐ avoid imposing obligation to the economic operators and other parties
- ☐ align the structure of the standard with the latest CEN & ISO guides for drafting

Almost every clause of the standard will change in some form

Part 2 of the Road map

2

Revision of supplementary standards - EN 81-21/ 28/ 58/ 70/ 71/ 77

Scope of the (limited) revision:

- ☐ Bringing supplementary standards in line with some of the EU Commission some EU Commission and HAS Consultant comments not to cause technical changes
- ☐ Alignment of the references to the revised EN 81-20/50:2020
- ☐ Updated Annex ZA giving a direct correlation between the clause in the standard and the EHSR in the directive

All other comments will be incorporated during part 3 of the roadmap

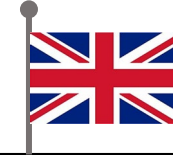
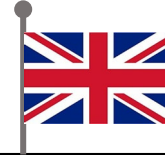
Note - No technical changes have been made in these revisions

EN 81-72:2020 & EN 81-73:2020 are cited and designated with no technical changes

- ☐ EU Commission has provided extensive comments on these standards, these will be addressed in part 3 of the roadmap

EN 81 series of standards

Roadmap for citation of harmonised standards for lifts



	Latest Published Version EN standards	EU Harmonised Standards cited on OJEU	Latest Published Version BS EN Standards	UK Designated standards	Status
Safety requirements Passenger/Goods Lifts	EN 81-20:2020	EN 81-20:2020	BS EN 81-20:2020	EN 81-20:2020	Cited & Designated
Design Rules for Lifts	EN 81-50:2020	EN 81-50:2020	BS EN 81-50:2020	EN 81-50:2020	Cited & Designated
Lifts in Existing Buildings	EN 81-21:2022	EN 81-21:2009 +A1:2012	BS EN 81-21:2022	EN 81-21:2009 +A1:2012	Citation expected
Lifts with Incline Travel	EN 81-22:2021	EN 81-22:2021	BS EN 81-22:2021	EN 81-22:2021	Cited & Designated
Remote Alarms	EN 81-28:2022	EN 81-28:2003	BS EN 81-28:2022	EN 81-28:2003	Citation Expected
Landing Door Fire Resistance	EN 81-58:2022	EN 81-58:2003	BS EN 81-58:2022	EN 81-58:2003	Citation expected
Accessibility to lifts	EN 81-70:2021 +A1:2022	EN 81-70:2003	BS EN 81-70:2021 +A1:2022	EN 81-70:2003 +A1:2004	Citation expected
Vandal resistant	EN 81-71:2022	EN 81-71:2005 +A1:2006	BS EN 81-71:2022	EN 81-71:2005 +A1:2006	Citation expected
Firefighters lifts	EN 81-72:2020	EN 81-72:2020	BS EN 81-72:2020	EN 81-72:2020	Cited & Designated
Behaviour of lifts in the event of fire	EN 81-73:2020	EN 81-73:2020	BS EN 81-73:2020	EN 81-73:2020	Cited & Designated
Seismic	EN 81-77:2022	EN 81-77:2013	BS EN 81-77:2022	EN 81-77:2013	Citation expected

Part 3 of the Road map

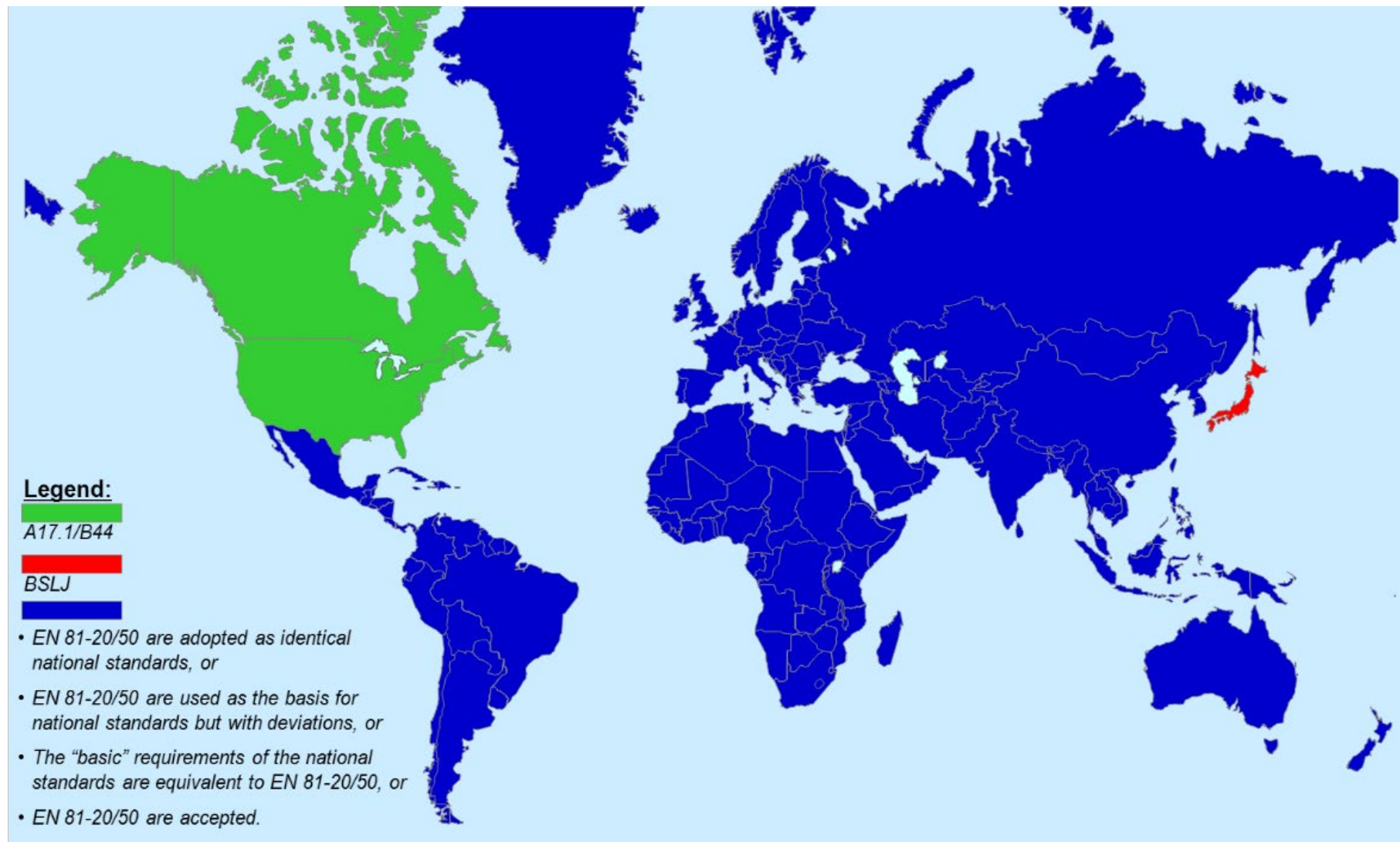
3

Full alignment of all hENs

Bringing all hENs for lifts fully in line - the main objective of the roadmap:

A full revision of all standards:

- ☐ EN 81-20 & 50:2020; & Supplementary standards
- ☐ This will include technical changes
- ☐ Incorporate all the other changes with drafting guides & rules



ISO 8100 1/2 will replace EN 81:20 & 50

What is included in the scope of the full revision of ISO 8100-1

Some examples of changes to give an idea EN ISO 8100-1:2025

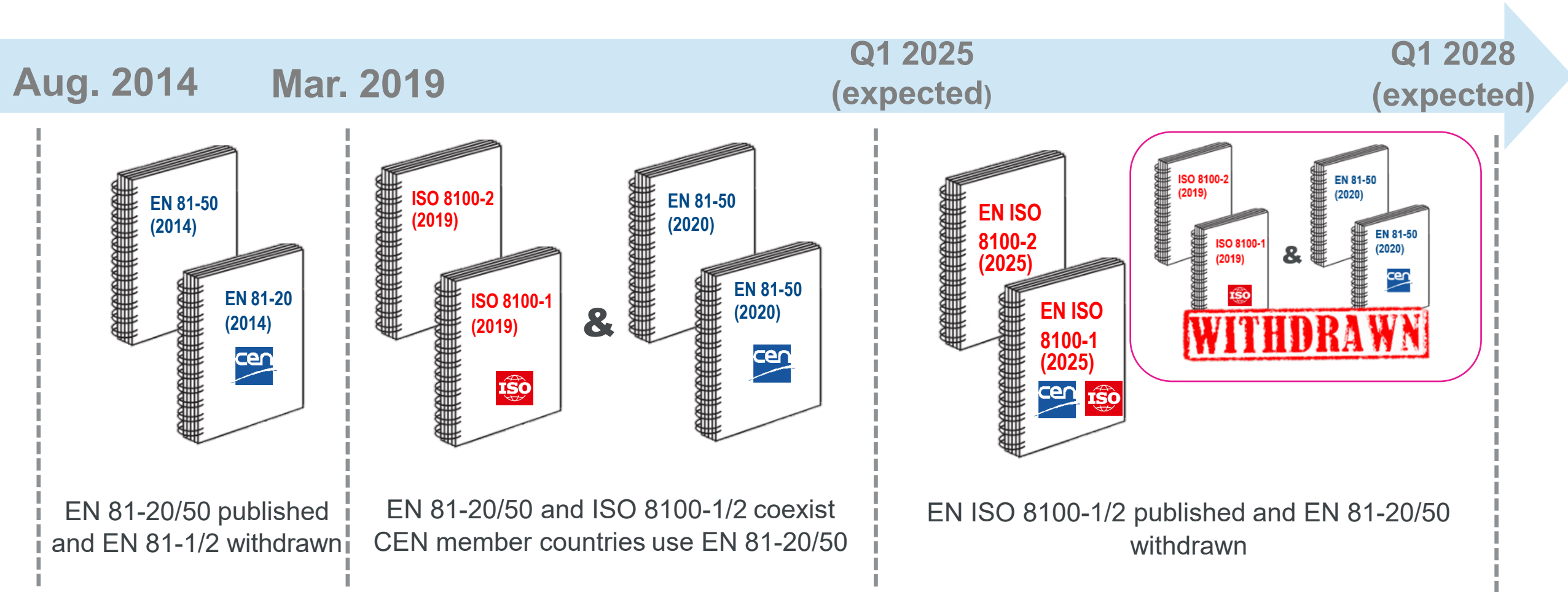
- Incorporation of all interpretations, Q&A's & correction of editorial errors
- New pit platform requirements for deep pit as alternative to door access
- Updated terminology MBF, Normal & Emergency operation, suspension means
- "Alternative" means of suspension, integrated part of standard "***Suspension Means***"
- Revision of PESSRAL to latest standards (PESSRAL to SIL rated Circuits)
- Reduced rated loads for hydraulic lifts to be extended to traction lifts (table 6 & 7)
- Annex F review, weight of the ladder, distance to fixed or movable ladders
- Moving the building requirements into an informative annex

Almost every clause will change in some form

EN 81 series of standards

Roadmap for citation of harmonised standards for lifts

EN 81-20/50 → EN ISO 8100-1/2



EN ISO 8100-1/2:2025 is the European adoption of ISO 8100-1/2:2025 BSI will publish = BS EN ISO 8100-1/2:2025

Thank you for listening

