

Lifts Group

Minutes of the CIBSE Lifts Group AGM 9 February 2016



PRESENT

Bogdan Alexei, Hydrock Consultant Ltd.
Gina Barney, Gina Barney Associates (**Events Organiser**)
John Bashford, J Bashford & Associates (**Chairman**)
John Bentley, LECS (UK) Ltd
Michael Bottomley, Movveo (**Treasurer**)
David Cooper, LECS UK (**Lift Academy**)
John Crawford
Paul Davidson, Hampshire CC
Mark Davies, KJA Consultants Inc.
Dominic Dawson, Zurich Engineering
Lee Dean, LECS UK
Rony Eappen, D2E International
Elizabeth Evans, Peters Research Ltd (**Publicity**)
Derek Finch, Focus FM
John Gale, Creative Spark Design Partnership
Philip Gordge, Schmersal UK Ltd
Alex Greenhalgh, ANSA Elevators Ltd
Les Guest, LCG Consulting
Len Halsey, Canary Wharf Contractors (**Vice Chairman**)
Dave Hickey, Focus FM
Lionel Hutt, Lester Controls
Koula Ioannidou, Arup
Gary Kennedy, ANSA Elevators Ltd
Ben Langham, London Underground
Gordon Lucas, ILECS
Stuart McGregor, The Lift Consultancy
Nick Mellor, LEIA
Francis Parker-Allotey
Philip Pearson (**Events Team**)
Richard Peters, Peters Research Ltd (**Secretary**)
Peter Roberts, ILECS
Adam Scott, Grontmij (**BSI Representative**)
Chris Sharpe, COL
Vince Sharpe, Allianz Engineering
Patrick Stapleton, COL
Brian Stewart, Focus FM

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Dave Thomas, LCG Consulting

Stella Umberti, Arup

Barry Vanderhoven, Abbacas

APOLOGIES

WeeChuan Lim, Foster + Partners (**Events Team**)

DISTRIBUTION

Those present and web site

Dr Ken Butcher (CIBSE), Nyree Hughes (CIBSE)

1. Welcome and apologies

The meeting was opened by JB. Apologies received were noted.

2. Minutes of previous meeting

The previous minutes were reviewed and accepted without amendment.

3. Matters arising

There were no matters arising not on the agenda.

4. Report for 2015

RP presented a summary of the activities for 2015. A summary report of his presentation is attached to these minutes.

5. AGM Elections

The following people were proposed and elected unanimously as office for the Lifts Group:

Chairman, Len Halsey
Vice Chairman, Michael Bottomley
Secretary, Richard Peters
Treasurer, Elizabeth Evans
BSI Representative, Adam Scott
Events Organiser, Gina Barney
Media WeeChuan Lim
Lift Academy, David Cooper
Exhibitions John Bashford
Events Team, Phil Pearson

6. Events in 2016

GB reported that the annual seminar will be in 2 November 2016, with the topic "Standards and Regulations: past, present and future." There is also a seminar planned in Manchester on 1st June. *POST MEETING NOTE: this date is likely to change because of half term – please check the web site.* The topics will include MB's paper on Scooters (to be presented after this AGM), and a discussion of standards.

Full details of these events and instructions on how to book will be posted on the web site. www.cibseliftsgroup.org

The 6th Lift and Escalator Symposium organised with the University of Northampton and LEIA will be on 21st and 22nd September 2016.

7. Treasurer's report

MB gave a summary of the accounts which had been reviewed by the committee. The accounts were approved. A copy is attached to these minutes.

8. Standards and Regulations

GB provided an overview of the revision of EN81. A status report is attached to these minutes.

9. Any other business

None.

10. Next meeting

Then next Lifts Group AGM and Evening Meeting will be on Tuesday 7 February 2017.

11. Presentation

The meeting was followed by presentations on:

1. “The trouble with mobility scooters” by Michael Bottomley of Movveo.
2. “Optimisation of the running speed of escalators on the London Underground” by Ben Langham of London Underground.



The CIBSE Lifts Group

Review of 2015 and plans for 2016

By *Dr Richard Peters*

The Chartered Institution of Building Services Engineers (CIBSE) is a professional body. Its members work in building services including lifts (elevators) and escalators. The CIBSE Lifts Group is a specialist forum for members who have an interest in vertical transportation.

CIBSE is a registered charity, an organisation required to devote its resources to charitable purposes. Its objectives include the advancement of education and research in building services engineering, and the publication of the useful results of such research. Members contribute their time to support these objectives.

The CIBSE Lifts Group elected officers for 2016 at its Annual General Meeting on 9th February 2016. They are Len Halsey (Chairman), Michael Bottomley (Vice-Chairman), Richard Peters (Secretary), Elizabeth Evans (Treasurer), Adam Scott (BSI Representative), Gina Barney (Events Organiser), David Cooper (Lift Academy), WeeChuan Lim (Media), John Bashford (Exhibitions) and Phil Pearson (Events Team).



The CIBSE Lift Group Executive 2016

Back row: John Bashford, Richard Peters, Adam Scott, David Cooper, Elizabeth Evans

Front row: Phil Pearson, Len Halsey, Michael Bottomley, Gina Barney

2015 was another busy year for the CIBSE Lifts Group. The February meeting included a presentation by Nick Mellor, the Technical Director of the Lift and Escalator Industry Association (LEIA). Nick highlighted the key changes in, and answered questions relating to the new BS EN 81-20 and BS EN 81-50 standards. These standards supersede BS EN 81-1 and BS EN 81-2 which will be withdrawn on 6 August 2017. Until then, either "old" or "new" standards give a presumption of conformity to the essential health and safety requirements of the Lifts Regulations. The new standards have introduced many changes which significantly affect the building interface. For projects where lifts are likely to be placed into service at or after 6 August 2017, these will need to be taken into account from the planning stage onwards.



Nick Mellor, Technical Director of LEIA presents the new BS EN 81-20 and BS EN 81-50 standards to the CIBSE Lifts Group

September 2015 saw the publication of CIBSE Guide D: *Transportation systems in buildings 2015*. Since its inception, Guide D has become a de facto reference for those involved in the world of vertical transportation.

The development of this fifth edition of CIBSE Guide was overseen by the Guide D Steering Committee, chaired by John Bashford. The authors owe a debt of gratitude to the Technical editor, Dr Gina Barney and Editor Dr Ken Butcher whose dedication ensured this high quality document was delivered to schedule with extensive improvements, review and revision.

Guide D covers the whole spectrum of interior circulation, planning and design, selection of equipment and performance, computer programmes, types of systems, legislation, fire and safety, requirements for persons with disabilities, lift components, lift traffic controls, escalators and moving walkways (passenger conveyors), energy consumption, electrical systems and environmental conditions.

The Guide's official launch was on 22nd September 2015 at Highgate House, Northampton. The event was attended by over 80 delegates from the UK and beyond. The Lifts Group was pleased to welcome two special guests in CIBSE President Nick Mead and Peter Day (former chief engineer of Land Securities) who was instrumental in producing the first Guide D in 1993. In recognition of Peter's contribution to the industry Nick presented him with an Honorary Fellowship of CIBSE.



[CIBSE Guide D launch event](#)

Chapter authors presented their sections and highlighted many of the key changes and new standards that have been introduced since the previous 2010 edition. The varied sessions also provided an opportunity for delegates to put any questions to the authors with discussions continuing over lunch and during the coffee break. The day was rounded off by a formal dinner in the historic Baronial Hall at Highgate House.



[CIBSE Guide D chapter authors with CIBSE President Nick Meade and Peter Day](#)

Left to right: John Bashford, Nick Mellor, Lionel Hutt, Dr Lutfi Al-Sharif, Derek Smith, David Cooper, Dr Richard Peters, Peter Day, Nick Mead, Dr Gina Barney, Adam Scott

Highgate House was also the venue for the 5th Symposium on Lift and Escalator Technologies on 23rd & 24th September. This ever popular event is run in partnership by CIBSE, The University of Northampton and LEIA. Delegate numbers this year grew to over 130 with people travelling from as

far afield as Australia and Japan. The seven session over two days covered a diverse range of topics including “Safety and Evacuation” and “The Internet of Things”. Videos of the presentations and the full proceedings are available to download from www.liftsymposium.org (see the past events tab).



Delegates at the 5th Symposium on Lift and Escalator Technologies

The final event of 2015 was the Annual Seminar on 4th November held at CIBSE headquarters in Balham, London. The meeting was an abbreviated version of the Guide D launch which gave those who had been unable to attend the event in September an opportunity to see presentations on the new guide and to meet some of the authors.



[Annual seminar in November 2015](#)

The CIBSE Lifts Group heads into 2016 with another full programme.

Confirmed dates so far include the 6th Symposium on Lift & Escalator Technologies on 21st & 22nd September 2016 in Northampton. The annual seminar will be on 2nd November 2016, addressing the topic "Standards and Regulations: past, present and future".

For more information and to register for events, please go to www.cibseliftsgroup.org and www.liftsymposium.org for the Symposium.

You can also join the CIBSE Lifts Group without charge at www.cibseliftsgroup.org. For professional membership of CIBSE, including applying for Chartered Engineer status, please see the membership options at www.cibse.org.

CIBSE Lifts Group Accounts 2015

Balance brought forward from 2014		£3,890.75
AGM 2015		
AGM 10-Feb-15 travel dinner for speakers and exec	£458.08	£3,432.67
Catering	£335.94	£3,096.73
ISO TC178/WG6/SC5	793.75	£2,302.98
Lift Symposium		
Guide D/Symposium travel 22/24-Sep 15_GB	£316.02	£1,986.96
Annual Seminar		
Buy GUIDE Ds for Ann Seminar	£1,040.00	£946.96
Travel contribution	£100.00	£846.96
Catering	£248.40	£598.56
	£	
Fees in 29 Participants, 4 Exhibitors	2,350.00	£2,948.56
	£	ck sum
Credit Guide D Lift Symposium _Peters Research	1,556.40	£4,504.96
	£	£4,504.96
	£3,292.19	3,906.40
Balance carried forward to 2015		£4,504.96



Dr Gina Barney - 28 January 2016



Signed by Michael Bottomley, Treasurer
 Date 7th February 2016

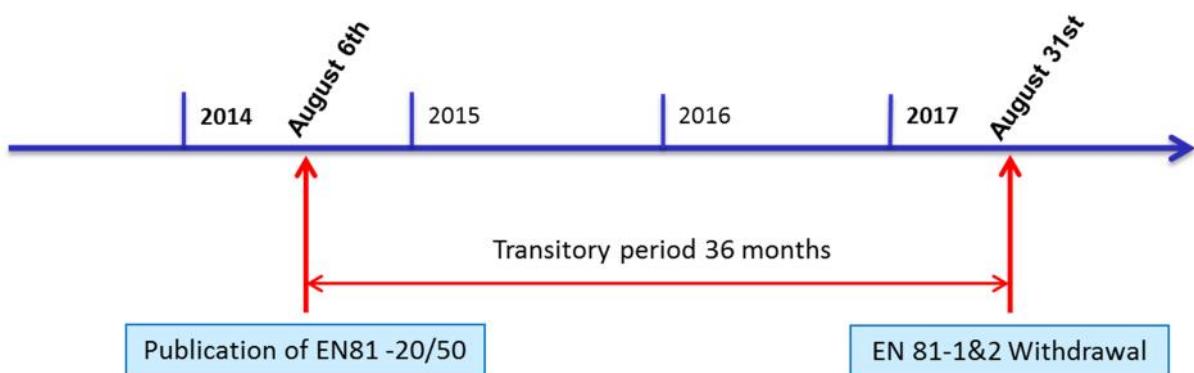
The Revision of EN81 series standards and the presumption of conformity to the Lifts Regulations.

During the development of EN 81-20 and EN 81-50 as replacements to the long standing EN 81-1 and EN 81-2 it was quickly realised that the scale of change being required by manufacturers in their product ranges would require a period of grace where new designs were developed, tested and certified before being made available on the market.

With this in mind CEN surveyed the National Standards Bodies within the EU and an agreement was reached that the final withdrawal date of EN 81-1 and EN 81-2 would be three years after the publication of EN 81-20 and 50. This means that for three years manufacturers might use any of these standard to build their product to. Finally in September 2017 the old standards would be fully withdrawn.

This then was followed by the publication in the official journal of the EU Directives of the Date of Cessation of Presumption of Conformity (DCPC) of EN 81-1 and EN 81-2, set as the last day of August 2017.

It means that between now and that date manufacturers can claim compliance with either EN 81-1/2 or EN 81-20/50 as a means of satisfying the requirements of the Lifts Directive. After that date only EN 81-20/50 has presumption of conformity and manufacturers should cease declarations in conformity to EN 81-1/2.



Whilst this has been well publicised and is readily understood, the situation of the revision and publication of other standards in the EN 81 series (often referred to as "ancillary" or "supplementary" standards) has not been so widely discussed.

All standards which reference EN 81-1 or EN 81-2 will have to be revised in order to change their references to those found in EN 81-20 and 50, and whilst some of these documents only require fairly limited changes, others such as EN 81-21 need considerable alteration to align them to EN 81-20.

In addition some other standards such as EN 81-28, EN 81-70, EN 81-72 and EN 81-73 are being fully revised as part of their normal 5 year validation cycle. This means that these standards may have other extensive technical changes not found in their previous versions, supplemental to the changes brought about by the publication of EN 81-20/50.

The original concept developed by CEN/TC10 was that all of these standards would have similar DCPC dates to that of EN 81-20 and EN 81-50, meaning that all of the old versions would be able to be used in support of EN 81-1 and EN 81-2 until the official withdrawal of those standards on 31st August 2017.

As an example standards might be used as follows in support of the Lifts Directive:

- EN 81-28:2003 could be used with EN 81-1 or EN 81-2 up to the 31st August 2017.
- EN 81-28:2016 could be used with EN 81-20 from the date of its publication.
- EN 81-28:2003 could not be used with EN 81-20 without a Design Examination Certificate from a Notified Body*
- EN 81-28:2016 could not be used with EN 81-1 or EN 81-2 without a DEC from a Notified Body *

*This is because EN 81-28:2003 does not contain reference to EN 81-20 and EN 81-28:2016 will not contain reference to EN 81-1/2.

The one element of this which was not anticipated was the timescales needed to be able to revise all of these standards. According to the CEN work schedules the normal time taken from a standard to being sent to public comment and its subsequent publication is two years. This can be shortened depending on the amount of comment received and the time taken by the relevant committee to resolve those comments.

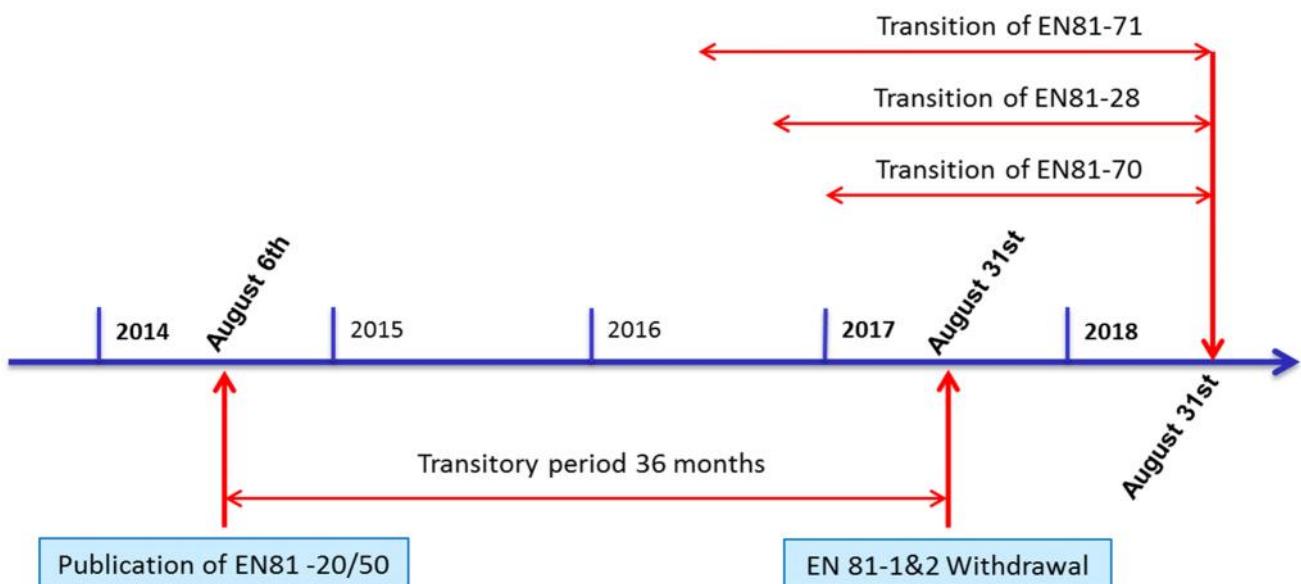
This means that in order to have a DCPC of 31st August 2017, all of these supplemental standards would need to have been sent to public comment by the end of August 2015.

Even if standards were published ahead of the normal date, it might still result in manufacturers having very limited time in order to develop new products before the EN 81-1/2 withdrawal date.

The result could be that new versions of these standards are not available on the 31st August 2017 and the only option would be to continue to use the old standards with a Design Examination Certificate provided by a Notified Body to allow their use with EN 81-20.

After consultation with the association of Notified Bodies in Europe and discussion in the CEN/TC10 Plenary meeting at the end of 2015 the decision has been taken to extend the withdrawal of any yet to be published supplemental EN 81 series standard to 31st August 2018, resulting in manufacturers having an additional 12 months in order to adapt their products.

At the same time an agreement will be reached such that Notified Bodies allow the continued use of the old versions of these standards in conjunction with EN 81-20 until September 2018 with a pragmatic approach to Design Examination being applied in a similar way across the EU.



In order to make this process more transparent BSI will publish all future revisions of EN 81 series standards with National Forewords which explain their official date of withdrawal and their ability to be used as a means of compliance with the Lifts Directive (Lifts Regulations in the UK). This will include statements related to the use of their old version on EN 81-1/2 compliant product and the new version on EN 81-20 compliant product.

BSI can only make informative comment on the need to obtain Design Examination Certificates to allow the use of the old series of standards on EN 81-20 compliant product until 31st August 2018 since compliance with the legislation is a matter for the Notified Bodies and the relevant national authorities.

In addition other National Standards Bodies publishing other language versions of these EN 81 series supplementary standards may not provide such National Forewords and users will need to examine the usual Foreword and Introduction to see the official date of withdrawal set for each standard.

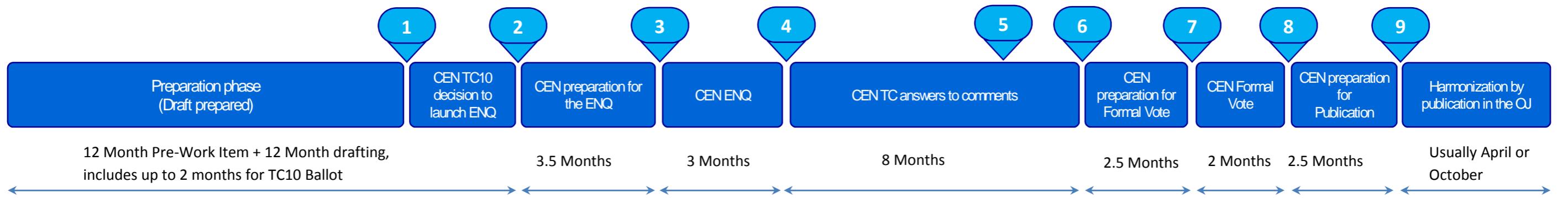
A list of “supplemental” EN81 series standards to which the above applies follows:

Number	Title
EN 81-21:2009	Safety rules for the construction and installation of lifts. Lifts for the transport of persons and goods. New passenger and goods passenger lifts in existing buildings
EN 81-28:2003	Safety rules for the construction and installation of lifts. Remote alarm on passenger and goods passenger lifts
EN 81-58:2003	Safety rules for the construction and installation of lifts. Examination and tests. Landing doors fire resistance test
EN 81-70:2003	Safety rules for the construction and installation of lifts. Particular applications for passenger and goods passenger lifts. Accessibility to lifts for persons including persons with disability
EN 81-71:2005	Safety rules for the construction and installation of lifts. Particular applications to passenger lifts and goods passenger lifts. Vandal resistant lifts
EN 81-72:2003 ⁽¹⁾	Safety rules for the construction and installation of lifts. Particular applications for passenger and goods passenger lifts. Firefighters lifts
EN 81-73:2005	Safety rules for the construction and installation of lifts. Particular applications for passenger and goods passenger lifts. Behaviour of lifts in the event of fire
EN 81-77:2013	Safety rules for the construction and installations of lifts. Particular applications for passenger and goods passenger lifts. Lifts subject to seismic conditions
EN 12015:2014	Electromagnetic compatibility. Product family standard for lifts, escalators and moving walks. Emission
EN 12016:2013	Electromagnetic compatibility. Product family standard for lifts, escalators and moving walks. Immunity
EN 13015:2001	Maintenance for lifts and escalators. Rules for maintenance instructions

⁽¹⁾ EN 81-72 was published in November 2015 with withdrawal set at the 31st August 2017 and will not have an extension to this. However in this case manufacturers will have sufficient time to adapt their products before the withdrawal of the old version of the standard.

Standards under revision

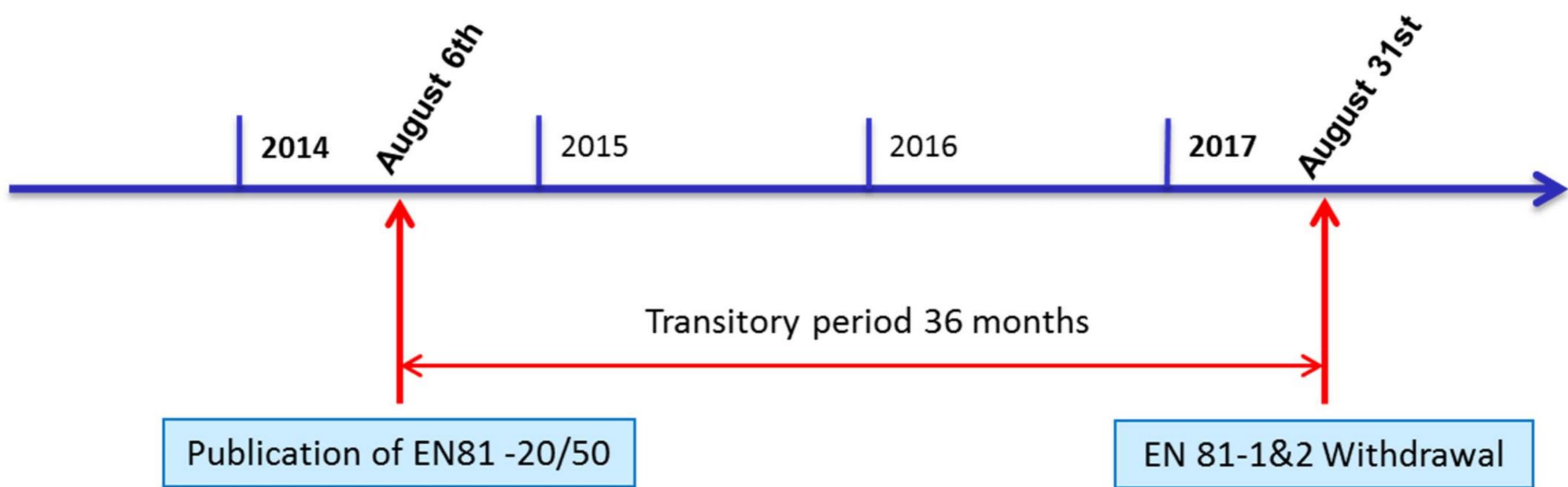
Status – February 2016



No	Title	Review Team	Review Date	Date Approved by reviewers	Date Approved By TC10	Sent to CMC (Y/N)	Date on which Started Public Enquiry	Date on which Public Enquiry closes	CEN TC answers to comments			Sent to CMC (Y/N)	Date on which Formal Vote Starts	Date on which Formal Vote Ends	Date on which CMC sends to NSB's (Date of availability)	Notes
									Completion Reviewer agrees / refuses comments	Skip Formal Vote (Y/N)	Date Approved By TC10					
EN 81-3	Electric and hydraulic service lifts	WG1 (WT1)	Not yet started													Not yet started. Convenor agreed by WG1 at Nov 2015 meeting.
TR 81-10	System of the EN 81 series of standards	WG1 (AH11)	09/2015 11/2015													CML Presentation to WG1 Sept 2015. Agree to wait for other 81 series standards
TS 81-11	Interpretations related to EN 81 family of standards	WG1 (AH11)	09/2015 11/2015													CML Presentation to WG1 Sept 2015. Agree to wait for other 81 series standards
EN 81-20	Passenger and goods passenger lifts	WG1	---			Plan for Sept 2017	Mid Dec 2017	Mid March 2018		Mid Nov 2018			Feb 2019	Apr 2019	Mid June 2019	Assignments to AH groups completed. Work to commence.
EN 81-21	New passenger and goods passenger lifts in existing building	WG1	02/2015 05/2015	May 2015	16/09/2015	Yes	14/1/2016	14/4/2016		1 st Dec 2016			Mid Feb 2017	Mid April 2017	July 2017	Final date could be reduced by 4.5 months (Mid Feb 2017) if sent straight to publication without FV.
EN 81-22	Electric lifts with inclined path	WG9														
EN 81-28	Remote alarm on passenger and goods passenger lifts	WG1 (WT4)	02/2015 05/2015 09/2015	Sept 2015												In process of being sent to TC10 for approval

No	Title	Review Team	Review Date	Date Approved by reviewers	Date Approved By TC10	Sent to CMC (Y/N)	Date on which Started Public Enquiry	Date on which Public Enquiry closes	CEN TC answers to comments			Sent to CMC (Y/N)	Date on which Formal Vote Starts	Date on which Formal Vote Ends	Date on which CMC sends to NSB's (Date of availability)	Notes
									Completion Reviewer agrees / refuses comments	Skip Formal Vote (Y/N)	Date Approved By TC10					
EN 81-77	Lifts subject to seismic conditions	WG1 (WT5)	09/2015 11/2015													WT5 have identified changes required. To be presented to WG1.
EN 81-80	Rules for the improvement of safety of existing passenger and goods passenger lifts	WG10	10/2015													
EN 115-1	Safety of escalators and moving walks — Part 1: Construction and installation	WG2							End Nov. 2016	End July 2016			Oct. 2016	Dec. 2016	March 2017	
EN 12015	Electromagnetic compatibility - Product family standard for lifts, escalators and moving walks - Emission	WG4	Not yet started													Revision ongoing. Tentative to send revision to WG1 before end of 2015/January 2016
EN 12016	Electromagnetic compatibility - Product family standard for lifts, escalators and moving walks - Immunity	WG4	Not yet started													Revision ongoing. Tentative to send revision to WG1 before end of 2015/January 2016
EN 13015	Maintenance for lifts and escalators — Rules for maintenance instructions	WG1	09/2015 11/2015													To be completed at WG1 review in Nov 2015

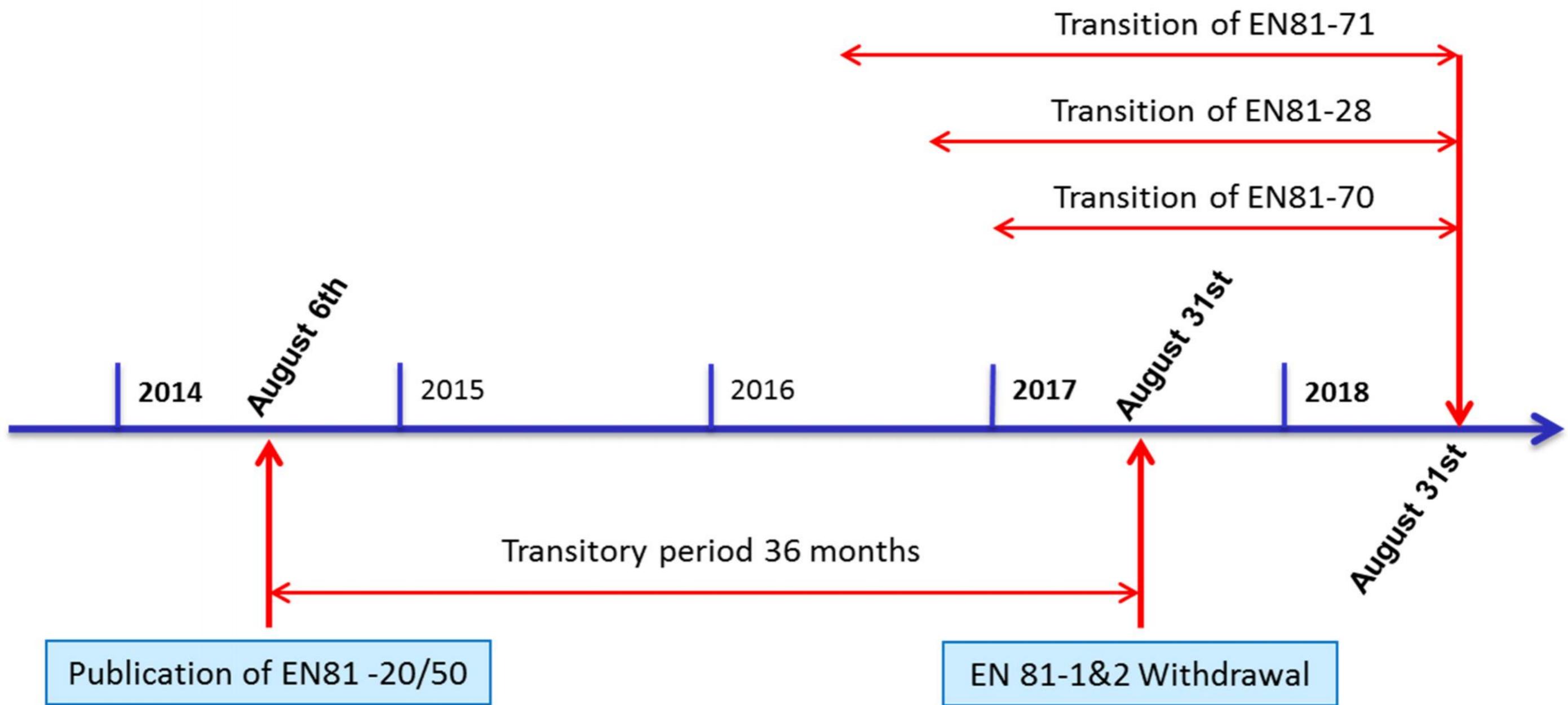
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Standards under revision

Status – February 2016

No	Title	Date on which CMC sends to NSB's (Date of availability)	Notes
			Dates in Red are the last date by which these actions must take place according to CEN timeline, not including extensions if required to answer PE Comments.
EN 81-21	New passenger and goods passenger lifts in existing building	July 2017	Final date could be reduced by 4.5 months (Mid Feb 2017) if sent straight to publication without FV.
EN 81-28	Remote alarm on passenger and goods passenger lifts	Mid-2016	In process of being sent to TC10 for approval
EN 81-58	Landing doors fire resistance test		
EN 81-70	Accessibility to lift for persons, including persons with disability	December 2016	
EN 81-71	Vandal resistant lifts	May 2017	Final date could be reduced by 4.5 months (Mid Nov 2016) if sent straight to publication without FV.
EN 81-72	Firefighters lifts	---	Published
EN 81-73	Behaviour of lifts in the event of fire		
EN 81-77	Lifts subject to seismic conditions		WT5 have identified changes required. To be presented to WG1.
EN 12015	Electromagnetic compatibility - Product family standard for lifts, escalators and moving walks - Emission		Revision ongoing. Tentative to send revision to WG1 before end of 2015/January 2016
EN 12016	Electromagnetic compatibility - Product family standard for lifts, escalators and moving walks - Immunity		Revision ongoing. Tentative to send revision to WG1 before end of 2015/January 2016
EN 13015	Maintenance for lifts and escalators — Rules for maintenance instructions		To be completed at WG1 review in Nov 2015

Standards under revision

Status – February 2016

No	Title	Date on which CMC sends to NSB's (Date of availability)	Notes
TS 81-11	Interpretations related to EN 81 family of standards		Dates in Red are the last date by which these actions must take place according to CEN timeline, not including extensions if required to answer PE Comments.
TS 81-76	Evacuation of disabled persons using lifts		CML Presentation to WG1 Sept 2015. Agree to wait for other 81 series standards
EN 81-80	Rules for the improvement of safety of existing passenger and goods passenger lifts		