



MARCH 2017

# Welcome to your industry newsletter



Welcome to the first LEIA newsletter of 2017 with a special focus on the guidance around EHSR 2.2 of the Lifts Directive. Looking back, the past year was extremely busy for the industry and 2017 is set to follow suit with the ongoing implications of Brexit still unclear, changes to apprenticeship reforms taking place in April and important standards updates affecting our industry. However, this month we thought it would be useful to focus purely on the BEIS Guidance of derogation to EHSR 2.2 and what you need to know on page 2.

## News items

### We are hiring!

LEIA is looking for a full-time Contracts and Administration Manager to provide contracts, legal and general management expertise based in our London office. The role involves assisting and supporting the LEIA Contracts & Legal Committee and managing the administration of the association (such as IT systems, membership communication, databases and quality management systems). For more information, please email [enquiries@leia.co.uk](mailto:enquiries@leia.co.uk).

### Symposium on Lift and Escalator Technologies: early bird discount

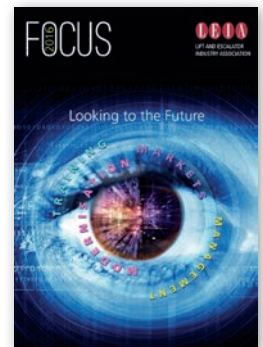
Registration is now open for the 7<sup>th</sup> annual Symposium, and LEIA members can benefit from an early bird discount

of £30 if booking before 30 June 2017. Co-organised by LEIA, the University of Northampton and CIBSE Lifts Group, the Symposium takes place from 20 – 21 September 2017 at Highgate House, Northampton, and the organisers are now also accepting paper submissions. The Symposium brings together experts in the field of vertical transportation, for more information or to register visit <http://www.liftsymposium.org/>.



### In Focus Magazine

Look out for the next issue of LEIA In Focus, which will be published in April. This issue will contain a round-up of the last year and issues of importance from each of LEIA's committees, a focus on the impact of social media on the industry, a projects feature and other topics of interest.



### Tell us what you think

We aim to make this newsletter topical and relevant for our members. If you would like to see a specific issue covered, or want to contribute to future editions, then please do let us know.

Don't forget to follow the [LEIA LinkedIn](#) page for weekly industry news and updates.



## New guidance on EHSR 2.2 of the Lifts Directive

*LEIA Technical Director, Nick Mellor, answers questions about the changes*

There are important changes in the BEIS (the government department of Business, Energy and Industrial Strategy) guidance for derogation to Essential Health and Safety Requirement (EHSR) 2.2 of the Lifts Directive. This impacts the pit depth and headroom dimensions required if derogation is to be avoided, and affects lifts placed in service after 31 August 2017. The BEIS guidance, which has been agreed with UK Notified Bodies and LEIA, has been issued as a LEIA Technical Guidance Note (revising the previous BIS guidance) and is publicly available [here](#).

### Why is the guidance changing?

EHSR 2.2 of the Lifts Directive requires permanent refuge spaces, but allows each member state to interpret what a permanent refuge space is. In the UK, BEIS' opinion is that the permanent refuge spaces are as defined in harmonised standards: BS EN 81-1 and BS EN 81-2 until these are withdrawn on 31 August 2017. From 1 September 2017, BS EN 81-20 will be the only harmonised standard for the design of new lifts. Then the definition of permanent refuge spaces in BS EN 81-20 must be used for new lifts in new buildings or BS EN 81-21 for new lifts in existing buildings.

### What are the implications for a new lift being placed into service latest 31 August 2017?

The refuge spaces defined in BS EN 81-1 and BS EN 81-2 are required. If these refuge spaces cannot be accommodated for either pit or head room then derogation is required.

See the left side of matrices on pages 6 and 7 of the [guidance](#) for lifts placed into service until 31 August 2017.

Note: A lift which conforms to BS EN 81-20 except for refuge spaces to BS EN 81-1 or BS EN 81-2 requires a Notified Body approval e.g. Design Examination Certificate (DEC).

### What are the implications for a new lift being placed into service from 1 September 2017?

The refuge spaces required by BEIS to meet EHSR 2.2 are defined as:

- BS EN 81-20:2014 Clause 5.2.5.7.1 in respect of headroom and 5.2.5.8.1 in respect of the pit for new lifts in new buildings.
- BS EN 81-21:2017 Clause 5.6.2.4 in respect to headroom and 5.8.2.4 in respect of the pit for new lifts in existing buildings (once this standard is published).

See the procedures shown on the right side of the matrices on pages 6 and 7 of the [guidance](#).

The following further sections are for lifts to be placed into service from 1 September 2017.



## What if the new lift is in a new building?

If the lift is in conformity with BS EN 81-20 clauses 5.2.5.7.1 for headroom and 5.2.5.8.1 for pit depth, then no derogation from BEIS is required (although Notified Body approval is required if the lift is not fully to BS EN 81-20).

If the lift is not in conformity with these clauses, then adequate refuge spaces cannot be accommodated and derogation from BEIS will be required. See the [guidance here](#).

BS EN 81-21 may not be used on new lifts in new buildings unless derogation from BEIS is been obtained.

## What if the new lift is in an existing building?

If the lift is in conformity with BS EN 81-20 clauses 5.2.5.7.1 for headroom and 5.2.5.8.1 for pit depth, then no derogation from BEIS is required as the lift can be treated as above for new lifts in new buildings.

If those refuge spaces are not available, then derogation will not be required if the lift is in conformity with BS EN 81-21:2017 (when published).

Note: an existing building is one which is used or was already used before the order for the lift was placed.

## What type of lifts might be affected?

Since BS EN 81-21:2017 (when published) will be able to be used for new lifts in existing buildings, the main call for derogation will be for new lifts in new buildings. We see the following implications.

- Small lifts (lifts smaller than 6 person/450 kg might be affected) where only standing refuge spaces can be used so requiring greater pit or headroom dimensions.
- All lifts which are currently “low

headroom” (typically with speeds not greater than 1 m/s and headroom dimensions in the range 2.8 m – 3.5 m which might not need derogation currently) may well require derogation after 31 August 2017, and we would urge a review of any contracts involving such cases.

- Lifts which currently have an EC Type Examination certificate for reduced headroom or reduced pit where the relevant permanent refuge spaces cannot be accommodated.

Faced with the possibility of greatly increased numbers of applications, we expect BEIS might take a hard line over such derogation applications. Prior approval only is allowed (i.e. before installation starts).

## Can BS EN 81-21:2009 or BS EN 81-21:2017 (when published) be used for new lifts in new buildings?

No – derogation from BEIS will be required.

## Can BS EN 81-21:2009 be used in conjunction with BS EN 81-20 until BS EN 81-21:2017 is available?

Yes, the technical requirements found in this standard may be used, but the refuge spaces which are created must be compliant with BS EN 81-20 refuge dimensions. Notified Body approval will also be required.

## Why can't BS EN 81-21:2009 be used from 1 September 2017 until withdrawn on 31 August 2018?

BS EN 81-21:2009 references the refuge spaces in BS EN 81-1 and BS EN 81-2 which will be withdrawn after 31 August 2017 (so will not provide a presumption of conformity to EHSRs of the Lifts Directive). BS EN 81-21:2009 can be used in conjunction with the refuge spaces in BS EN 81-20 (which will need Notified Body approval), or derogation obtained from BEIS.

## When will BS EN 81-21:2017 be published?

We do not expect publication before Autumn 2017. Until then, BS EN 81-21:2009 can be used as above if the refuge spaces in BS EN 81-20 are provided and with Notified Body approval.

## If we have an EC Type Examination for “low headroom” such as 3000 mm, why can't we carry on installing these and placing them into service after 31 August 2017?

EHSR 2.2 of the Lifts Directive requires permanent refuge spaces, but allows the member state to interpret what a permanent refuge space is. In the UK, BEIS' opinion is that the permanent refuge space is as defined in the relevant harmonised standards. So, the definition in BS EN 81-20 must be used for new lifts in new buildings or BS EN 81-21 used for new lifts in existing buildings. The BEIS interpretation of permanent refuge spaces over-rides any EC Type Examination which does not provide for the permanent refuge spaces. It is vital that lift companies in the UK understand this if installing lift packages sourced from outside the UK.

## Guidance to building designers and lift installers for lifts to be placed into service from 1 September 2017

We urge building designers and lift installers to discuss their new projects especially for new lifts in new buildings. The simplest approach is to ensure that the lift well dimensions allow for the refuge spaces defined in BS EN 81-20. Where this is not possible, you should read the guidance and contact your Notified Body to discuss.

For new lifts in existing buildings, the situation will be simpler as the use of BS EN 81-21:2017 (when published) will be allowed if the refuge spaces defined in BS EN 81-20 are not available.

If you have any questions, or are unsure about the changes, feel free to contact us at [enquiries@leia.co.uk](mailto:enquiries@leia.co.uk).