



# Bulletin on the New Lift Directive & New Lift Standards EN81-20 & EN81-50

The new Lift Directive 2014/33/EU (which replaces Lift Directive 95/16/EC) was first published on 29<sup>th</sup> March 2014 and should be enacted in new Lift Regulations in Ireland by end February 2017.

## Why has the Directive changed?

The main objectives of the new Directive are to improve the evaluation and monitoring of Notified Bodies, equipment suppliers, installers, and consultants; to strengthen market surveillance across the EU; and to enhance the credibility of the CE marking as a sign of conformity and of safety. The EU Commission has now published all the targeted directives in one package.

## What does the Directive mean for clients and building designers?

The changes in the Directive apply harmonised standards and improved conformity for new lifts. Building designers are urged to discuss key changes as are now required under such headings as lift well dimensions, adequate pit depths and headroom clearances etc. with their lift provider at an early stage.

## What does the Directive mean for manufacturers and installers?

In the Lift Directive, “manufacturer” means the manufacturer of a lift or a safety component for lifts, and “installer” means the company taking responsibility for the installation and/or commissioning of lifts. Importers and distributors of lift equipment and lift safety components also have similar obligations as lift manufacturers.

## In Summary

Lift Directive 2014/33/EU replaces 95/16/EC.

EN81-20 Defines technical requirements to manufacture lifts.  
EN81-50 Defines the design criteria, calculations and tests for lift components.

Lifts entering service after 31<sup>st</sup> August 2017 must comply with the New Lift Directive 2014/33/EU & the New Lift Standards EN81-20 & EN81-50

The main implications of the new Directive are as follows:

- The installer of lifts and the manufacturer/importer/distributor of safety components for lifts must have traceability of who they have bought safety components from, who they have sold them to and which lifts they have been installed on.
- If the installer of lifts and the manufacturer/importer/distributor of safety components for lifts detect non-conformities, they must take corrective action to bring the lift or safety component into conformity. Where the lift or safety component presents a risk, they must report the risk and the corrective actions taken to the Health and Safety Authority.

## Transition Period – today to 31<sup>st</sup> August, 2017.

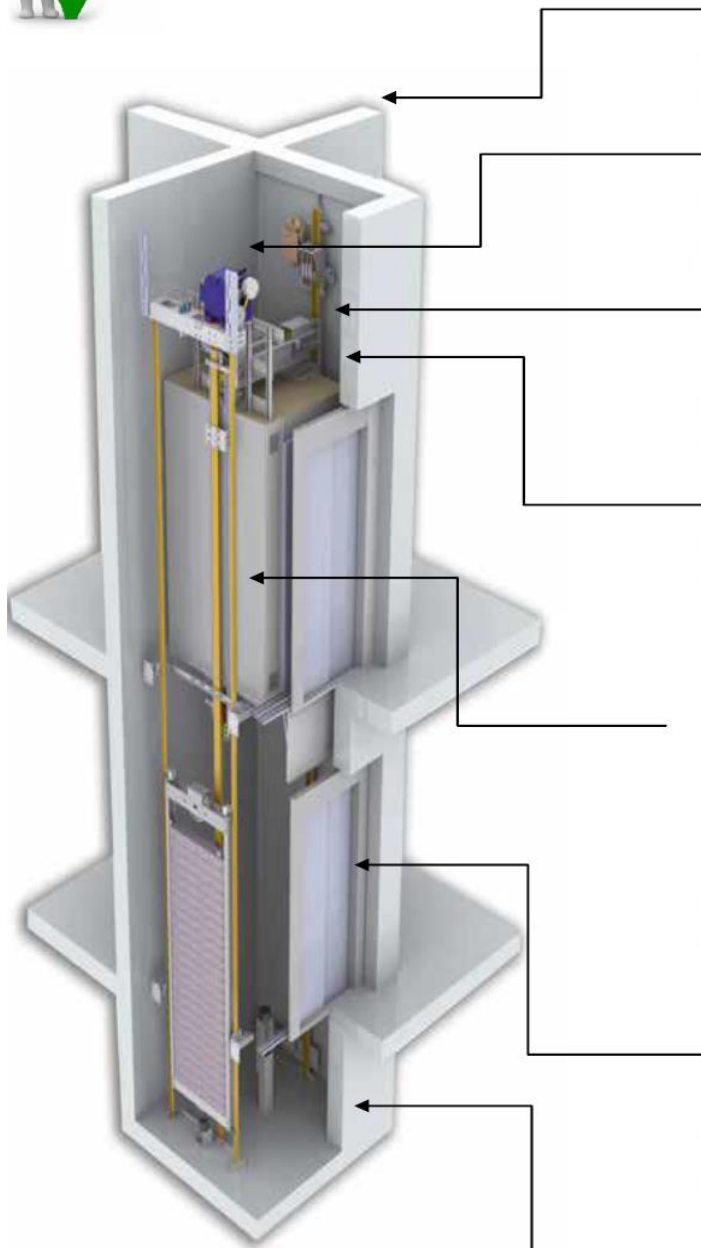
Deriving from above 2014/33/EU Directive, the new Lift Standards **EN81-20 & EN81-50** have also already been published. However, during the transitional period, lifts installed under **Current Lift Standards EN81-1/2+A3** can still be manufactured, installed and commissioned and enter service up to the cut-off date of 31<sup>st</sup> August 2017. Current lift standards **EN81-1/2+A3 will be replaced by the new EN81-20 & EN81-50 Lift Standards**, and which will apply to all passenger lifts manufactured and being installed, commissioned and entering service after 31<sup>st</sup> August 2017.

In summary all lifts handed over or entering service after 31<sup>st</sup> August 2017 must be manufactured and installed and commissioned to comply with New Lift Standards EN81-20 & EN81-50.

## Key Changes



### Diagram and main points



#### Machine Room/ Machinery spaces

- Lighting for working areas: 200 lux
- Lighting for other areas: 50 Lux
- Minimum height working area: 2,1 m



#### Shaft Lighting

- 50 lux – Cabin roof / Shaft Pit
- 20 lux – Other Areas.



#### Headroom

- Refuge spaces in the cabin cabin roof increase.
- Standing:** 0.40 x 0.50 x 2.0 m
- Crouched down:** 0.50 x 0.70 x 1.0 m



#### Roof protection railing

- cabin roof railing resistance and height, increase.



#### Cabin

- Interior lighting : 100 Lux
- Emergency lighting: 5 Lux
- Cabin panels strength increased
- Flammability coatings. New Requirements
- Infrared full barrier, mandatory.
- Cabin door with mechanical lock, mandatory.



#### Doors

- Strength of cabin and landing doors, and door retainers has increased.
- New control panel Device to bridge cabin & landing door safety contacts.



#### Pit

- Permanent Inspection panel, mandatory.
- Refuge spaces in the Pit, increased.
- Standing:** 0.40 x 0.50 x 2.0 m
- Crouched down:** 0.50 x 0.70 x 1.0 m
- Laying:** 0.70 x 1.00 x 0.50m  
(Not recommended by ILEA)

If you have any questions, or are unsure about the implications of the New Lift Directive or Lift Standards, please do not hesitate to ask your current lift supplier or service provider.