



Are You Aware? No.9rev1

Subject: Standards relating to fire and lifts

As we cover regularly in technical seminars, many of the standards relating to fire and lifts have been revised recently. The following list the current status of these standards with links to more information on the members' area of the LEIA website.

BS EN 81-58: 2003; *Safety rules for the construction and installation of lifts – Examination and tests – Part 58: Landing doors fire resistance test* is the current standard for the fire testing of lift landing doors with further details [here](#). A new revision is expected soon as covered in [AYA 40rev1](#).

BS EN 81-72: 2015 incorporating corrigendum July 2015; *Safety rules for the construction and installation of lifts – Particular applications for passenger and goods passenger lifts – Part 72: Firefighters lifts* is the new standard for firefighters lifts to be used for lifts to BS EN 81-20 with details [here](#). The National foreword has guidance on its use with BS EN 81-20 and with BS EN 81-72:2003 which will be withdrawn on 31 August 2017.

BS EN 81-73:2016; *Safety rules for the construction and installation of lifts - Particular applications for passenger and goods passenger lifts - Part 73: Behaviour of lifts in the event of fire* is the new standard for recall of lifts in the event of fire with further details [here](#). This standard supersedes BS EN 81-73: 2005 which will be withdrawn on 31 August 2018. The National foreword has guidance on its use with BS EN 81-20 and BS EN 81-73: 2005 during the transition period. We recently published a Lift Owner News on the Recall of lifts in the event of fire which can be found [here](#).

BS 8899: 2016; *Improvement of fire-fighting and evacuation provisions in existing lifts – Code of practice* is a new British Standard with recommendations for the improvement of existing lifts to be used by the fire services or for evacuation of disabled people. It also has recommendations for the maintenance and thorough examination of lifts used in the event of fire. Please click here for [TGN 24rev1](#) which provides more details.

BS 9991: 2015; *Fire safety in the design, management and use of residential buildings – Code of practice applies to residential buildings*. This new revision now references BS EN 81-73 (see link above).

BS 9999: 2017; *Fire safety in the design, management and use of buildings - Code of practice*. This new revision now references BS EN 81-73 (see link above) at clause 10.4.1.1 which recommends that lifts other than firefighting and evacuation are provided with suitable electrical signal(s) to recall them to an exit floor and then taken out of service in accordance with BS EN 81-73:2016, 5.3.5b) with car and landing doors open. Where there is no suitable fire alarm system, alternative measures should be put in place where appropriate such as recalling the lift from a manual recall device, e.g. key switch.

Annex G in BS 9999: 2017 includes recommendations for evacuation lifts. The text has been revised but with few technical changes except that there is now a recommendation that where there is an alternative supply circuit, the evacuation lift should have automatic rescue device to move to adjacent story and open doors in the event of power failure.