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June 28, 2005

All Registered Lift Contractors/Engineers

Dear Sirs,

Circular No. 5/2005
Code of Practice on the Design and Construction
of Lifts and Escalators (2000 Edition)
Amendment No. 7

Pursuant to section 27G of the Lifts and Escalators (Safety) Ordinance, Cap. 327, the Code of Practice on the Design and Construction of Lifts and Escalators (2000 Edition) (Design Code) has been amended by incorporating requirements on clear height and emergency alarm devices for stairlifts.

The above changes have been included in the Amendment No. 7 of the Design Code which is attached for your retention. It shall come into operation on August 1, 2005 and applicable to lifts tendered on or after that date.

Yours faithfully,



(K. M. WOO)

for Director of Electrical and Mechanical Services

Encl.

c.c. AD/BS, D of Housing (Attn.: TS/2),
D of Buildings (Attn.: CBS/Legislation), D of Fire Services (Attn.: Fire Safety Command),
The Hong Kong General Union of Lift and Escalator Employees
G28/28 SF1 Pt. IV
WKH/GMWC/KMW

**Code of Practice
on the Design and Construction of
Lifts and Escalators
(2000 Edition)**

**Amendment No. 7 of 2000 Edition
Clear Height and Emergency Alarm Devices for Stairlifts**

(Effective as from August 1, 2005 and applicable to lifts tendered on or after that date)

<u>Item</u>	<u>Clause</u>	<u>Description</u>
1	Section E Part 5 Clause 2.3	Delete the whole clause.
2	Section E Part 5 Clause 7.3	Add the following Clause 7.3.5 after Clause 7.3.4: “7.3.5 Clear Height above Seat The clear height above the seat shall be not less than 1.1 m along its whole journey.”
3	Section E Part 5 Clause 7.4	Add the following Clause 7.4.3 after Clause 7.4.2: “7.4.3 Clear Height above Platform The clear height above the platform shall be not less than 2 m along its whole journey.”
4	Section E Part 5 Clause 7.5	Add the following Clause 7.5.4 after Clause 7.5.3: “7.5.4 Clear Height above Platform The clear height above the platform shall be not less than 2 m along its whole journey. The clear height may be reduced to 1.6 m, if the following conditions are satisfied:- (a) A height limit indicator shall be provided at each landing to check the sitting height of the user on the wheelchair platform stairlift. Warning notice in both Chinese and English shall be provided prohibiting the use of the wheelchair platform if the user's sitting height exceeds the height limit.

- (b) A safety belt shall be permanently fixed to the wheelchair platform such that it shall be used to prevent the user from standing up in the whole journey of the wheelchair platform.
- (c) Notice in both Chinese and English, with inscriptions of not less than 15 mm high, drawing attention of the users that the stairlift is only for user sitting in a wheelchair and he/she needs to fasten the safety belt at all time during the whole journey of the wheelchair platform stairlift, shall be provided at each landing.
- (d) The stairlift can only be operated under the attendant mode (see Clause 12) and confirmation in writing from the lift owner that the stairlift shall only be operated by an attendant shall be available.

The stairlift may be self-operated (see Clause 11) provided that obstruction sensors are provided to suspend the operation of the stairlift in case of detection of object height in excess of the available minimum clear height within the stairlift passage measured from the top of the platform of the stairlift when it is in the working status. If light sensors or similar electronic devices are to be used, the instruments shall be of suitable electromagnetic immunity, in particular, to the interference of mobile telephones that may exist in the vicinity. If multi-beam light ray detectors are used, the distance between light rays shall be not more than 180 mm. The circuitry of the obstruction sensors and the stairlift operation shall be of a fail-safe design."

- 5 Section E Part 5 Clause 9.4.1 Add the following paragraph after the 3rd one in Clause 9.4.1:

"For stairlift which is designed for self-operation (see Clause 11), a closed circuit television (CCTV) camera shall be provided to capture the status of the stairlift during its whole journey and be connected to a CCTV monitor in the building management office or the caretaker's office. If the CCTV monitor in the building management office or the caretaker's office serves more than one lift or other location, a selection switch (or similar device) shall be provided."
- 6 Section E Part 5 Clause 9.4.3 Replace the whole Clause 9.4.3 by the following:

"9.4.3 All the devices, except CCTV, under this Clause 9.4 shall be backed up by the emergency supply called for in Clause

8.2 or by an equivalent supply.”

- 7 Section E Part 5 Clause 9.4.6 Replace the whole Clause 9.4.6 by the following:
“**9.4.6** For stairlift which is designed for self-operation (see Clause 11), if there is no building management office or caretaker’s office in the building, the buzzer (or alarm bell), indication light(s), reset switch and CCTV monitor shall be placed at a remote location with 24-hour attendance and, except CCTV, backed up by an emergency supply for at least 2 hours.”
- 8 Section E Part 5 Clause 9.4 Add the following Clause 9.4.7 after Clause 9.4.6:
“**9.4.7** A fault monitoring system shall be provided such that any stairlift failure will be relayed to the building management office or the caretaker’s office, and the remote location with 24-hour attendance as mentioned in Clause 9.4.6 for carrying out rescue operation.”
- 9 Section E Part 5 Clause 13 The heading of Clause 13 is changed as follows:
“**13 Notices and Operating Instructions**”
- 10 Section E Part 5 Clause 13 Add the following Clause 13.3 after Clause 13.2:-
“**13.3** 24-hour emergency contact telephone number of the lift maintenance contractor shall be shown at a conspicuous position at each landing and the carriage of the stairlift.”