

Our reference 本署檔號 :  
(107) in LE/02/04 Pt. II

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July 12, 2003

All Registered Lift/Escalator Contractors

Dear Sirs,

**Circular No. 13/2003**  
**Code of Practice on the Design and Construction**  
**of Lifts and Escalators (2000 Edition)**  
**Amendment No. 5**

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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 some miscellaneous amendments.

The above changes have been included in the Amendment No. 5 of the Design Code which is attached for your retention.

Yours faithfully,



(LAW Yu-wing)  
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/LYW

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

**Amendment No. 5 of 2000 Edition  
Miscellaneous Amendments**

(Item 3 is effective as from June 18, 2003.

Other items to be effective as from August 1, 2003 and  
applicable to lifts and escalators tendered on or after that date)

<u>Item</u>	<u>Clause</u>	<u>Description</u>
1.	Section E Part 1 Clause 1.7 (b)	Replace 2 <sup>nd</sup> paragraph by:-  "The lighting shall comprise one lamp positioned at most 0.5m from the highest and lowest points of the guided travel of the lift car with intermediate lamps at 7m maximum spacing. These lamps shall be 100W incandescent lamps or equivalent fluorescent lamps of at least 18W. The position of each lamp shall be such that a servicing personnel can conveniently replace the lamp while standing on the top of car."
2.	Section E Part 1 Clause 5	(i) Replace the whole Clause 5.6 by:-  <b>"5.6 Rope Traction</b>  5.6.1 Rope traction shall be such that the following three conditions are fulfilled:  (a) the car shall be maintained at floor level without slip when loaded to 125% (150% in the case of industrial truck loaded freight lift or vehicle lift) of the rated load;  (b) it shall be ensured that any emergency braking causes the car, whether empty

or with rated load, to decelerate with a value not exceeding the setting of the buffer, including reduced stroke buffer;

- (c) it shall not be possible to raise the empty car when the counterweight is resting on the buffers and the lift machine is rotated in the "up" direction.

5.6.2 Rope traction design considerations shall comply with Annex M of EN81-1."

- (ii) Delete the whole **Clause 5 : Notes** (NOTE 1. Traction and NOTE 2. Specific Rope Pressure)

- 3. Section E Part 1 Clause 10.3.1.5 Add the following at the end of the last paragraph:-  
"The emergency power for home landing operation need not be provided, if no emergency generator is required for fire services installations at the building."
- 4. Section E Part 4 Clause 8.7 Replace 1<sup>st</sup> paragraph by:-  
"If a hand winding device is provided, it shall be easily accessible and safe to operate (see Clause 11.1.3)."
- 5. Section E Part 4 Clause 11.1.3 Replace  
"Corresponding instructions for use of hand winding device and brake release device shall be available near the machine, and the direction of travel of the escalator shall be indicated clearly."

by:-

"Corresponding instructions for use of hand winding device (if it is provided) and brake release device shall be available in the driving station, and the direction of travel of the escalator shall be indicated clearly."