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(18) in EMSD/LESD 7-2/4

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January 27, 2006

All Registered Lift/Escalator Contractors/Engineers

Dear Sirs,

**Circular No. 2/2006**  
**Code of Practice on the Design and Construction**  
**of Lifts and Escalators (2000 Edition)**  
**Addendum to Amendment No. 8**

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Pursuant to the issue of Amendment No. 8 to the Code of Practice on the Design and Construction of Lifts and Escalators (2000 Edition) vide Circular No. 11/2005, please take note that the amendment made to Section E Part 4 Clause 8.4 under Amendment No. 8 in relation to the 'Braking System' should be the replacement of Clause 8.4.1 instead of Clause 8.4. A replacement page for that effect is attached for your retention/use.

Yours faithfully,



(CHUI Mow-wah, Gregory)  
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

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

**Addendum to Amendment No. 8 of 2000 Edition  
Requirements for Enhanced Operational and Design Features of Lifts/Escalators and Other  
Minor Changes**

(Effective as from October 1, 2005)

<u>Item</u>	<u>Clause</u>	<u>Description</u>
10	Section E Part 4 Clause 8.4.1	<p>Replace Clause 8.4.1 by the following:</p> <p><b>“ 8.4.1 General Provisions</b></p> <p><b>8.4.1.1</b> Escalators shall have a braking system by means of which they can be brought to rest with a largely uniform deceleration and maintained stationary (operational braking); see also Clauses 10.2.1.6 and 10.2.4. There shall be no intentional delay in the application of the braking system, except under Clause 8.4.1.2(c).</p> <p><b>8.4.1.2</b> The braking system shall operate automatically:</p> <ul style="list-style-type: none"><li>(a) in the event of loss of the voltage supply;</li><li>(b) in the event of loss of the voltage supply to the control circuits; or</li><li>(c) for an escalator installation equipped with protection devices to enable it to sustain operation (ride through) during power supply voltage dips,<ul style="list-style-type: none"><li>(i) at the lapse of 0.2 s of a continuous supply voltage dip of more than 10% of the supply voltage; or</li><li>(ii) at a voltage dip exceeding 60% of the supply voltage, or</li><li>(iii) at the failure of the protection device.</li></ul></li></ul> <p><b>8.4.1.3</b> Operational braking is to be effected by an electro-mechanical brake or by other means.</p> <p>Where no electro-mechanical operation brake is used, an auxiliary brake in accordance with Clause 8.6 shall be provided.</p> <p><b>8.4.1.4</b> In no circumstances an escalator equipped with the protection devices mentioned in Clause 8.4.1.2(c) shall render its operational jerk greater than that arisen from normal application of brake for the same installation without the devices. ”</p>