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3 November, 1998

All Registered Lift/Escalator Contractors/Engineers

Dear Sirs,

Circular No. 14/98
Code of Practice on the Design and Construction
of Lifts and Escalators (1993 Edition)
Amendment No. 7, 8 and 9

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 (1993 Edition)(the Code) has been amended by incorporating corrections and some new or revised requirements for lifts and escalators as a result of the practical experience reflected by lift/escalator contractors.

The above changes have been included in the Amendment No. 7, 8 and 9 of the Code which are attached for your retention.

The requirements in the Amendment No. 8 of the Code, which contains miscellaneous amendments, shall come into operation on 15 November 1998 and shall be applicable to lifts and escalators tendered on or after that date. The requirements in the Amendment No. 9 of the Code, which concerns slim type escalators, are designated to be effective from 15 June 1998 in line with Amendment No. 1 to BS EN115:1995.

Yours faithfully,

(LAW Yu-wing)
for Director of Electrical & Mechanical Services

c.c. AD/BS

D of H (Attn: TS/1)

D of FS (Attn: Fire Protection Command)

DB (Attn: CBS/Legislation)

SCMN/GMWC/LYW/tp

Code of Practice
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AMENDMENT No. 7
Corrections

<u>Item</u>	<u>Clause</u>	<u>Correction</u>
1.	Section A Clause 1 Para. 6	Replace "services lifts" by "service lifts".
2.	Section A Clause 5 Heading	Replace "Equipments" by "Equipment".
3.	Section A Clause 8(e)	(i) Replace "disabled person" by "persons with a disability". (ii) Replace "items 4(a), (b) and (c)" by "item 14".
4.	Section C	(i) Replace "both landing" by "both landings" in the definition of "Combs". (ii) Replace "electriclaly" by "electrically" in the definition of "Hydraulic Lift". (iii) Replace "pallets on the belt" by "pallets or the belt" in the definition of "Rated Speed".
5.	Section E Part 1 Clause 2.3.2	Replace "pulley room" by "pulley room".
6.	Section E Part 1 Clause 3.5.3	Replace "Manually Control" by "Manually Controlled" at the heading.
7.	Section E Part 1 Clause 4.2.4	Replace "or of such a design" by "and of such a design".
8.	Section E Part 1 Clause 4.17.4	Replace "the lift pits" by "the lift pit".
9.	Section E Part 1 Clause 5.11.3	Replace "(see Clause 5.1.26)" by "(see Clause 5.12.6)".
10.	Section E Part 1 Clause 6.4.3	Replace "functionin" by "function in".
11.	Section E Part 2 Table 1	Replace "suspension gear (5.12.30)" by "suspension gear (5.12.3)"
12.	Section E Part 4 Clause 1.1.5.5	Replace "...at each sides of ..." by "...at each side of ..." at the heading of the table.
13.	Section E Part 4 Clause 8.6.3(b)	Replace "in the cases mentioned in Clauses 8.6.2(a), (b) and (c)" by "in the condition mentioned in Clause 8.6.2(a), (b) or (c)".
14.	Section E Part 4 Clause 9.3.3	Replace "Clauses 10.2.1 or 10.2.1.1" by "Clauses 10.3.1 or 10.3.1.1".

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AMENDMENT No. 8
Miscellaneous Amendments

(Effective as from 15 November 1998 and applicable to lifts & escalators tendered on or after that date)

<u>Item</u>	<u>Clause</u>	<u>Amendment</u>
1.	Section E Part 1 Clause 3.1	Add "This value shall be as small as possible and, due to wear, may increase but shall not exceed 10mm in any case." after the first sentence of the second paragraph.
2.	Section E Part 1 Clause 3.7.2	Add the following paragraph at the end of the first paragraph of the clause:- "If it can be demonstrated that the driving system of the lift can keep the car in the unlocking zone to remain stationary even when the brake is released, then the brake may be released when the doors are closing the last 30mm gap of the entrance. However the car shall not start to move until the doors are closed and locked."
3.	Section E Part 1 Clause 4.5.3	Add "This value shall be as small as possible and, due to wear, may increase but shall not exceed 10mm in any case." at the end of the first paragraph.
4.	Section E Part 1 Clause 4.6.4	Delete the sub-clauses (d) & (e).
5.	Section E Part 1 Clause 4.8.2	Replace item (b) by - "(b) the driven panel is directly mechanically linked to the door driving element."
6.	Section E Part 1 Clause 4.17.4	Add the following paragraph at the end of the clause:- "It is permissible to raise the bottom of the counterweight screen to clear compensation chain or other equipment. The bottom of the counterweight screen shall be as low as possible and shall be at least 300mm below the lowest parts of the counterweight resting on a fully compressed counterweight buffer."
7.	Section E Part 1 Clause 5.6.1(a)	Replace "the car" by "the empty car".
8.	Section E Part 1 Clause 10.3.1.5	Replace the clause by- "Home Landing Operation Every lift shall be provided with a facility to bring the lift to the home landing in case of fire by manually operated switch installed at the home landing floor or Building Management Office. This switch shall only be operated when it is safe for the lift to return to the home landing. In the case the lift is a fireman's lift, the home landing is the designated point of

entry (see Section F of the Code).

When normal power fails, sufficient emergency power shall be available for the operation of the fireman's lift(s) and the sequential returning of the lifts to the home landing at the same time. The operation of the fireman's lift(s) shall not be affected in any case.

Delay of the sequential returning of the non-fireman's lift(s) to the home landing is allowed in the event that emergency power supply is inadequate to cater for simultaneous starting of all fireman's lift(s) and the non-fireman's lift(s)."

9. Section E Part 1
Clause 11.1

Replace sub-clause (c) & (d) by-

"(c) 35mm"

10. Section E Part 1
Clause 11.5

Replace the last paragraph by-

"Provisions shall be made at all landings for warning indication to be displayed to inform others that the lift is out of service for maintenance. The display of such indication or the illumination of such indicator shall be controlled by a manually operated switch and additionally may be switched on automatically. The indication shall bear the inscription "OUT OF SERVICE" (minimum height 8mm) and "暫停" (minimum height 12mm)."

11. Section E Part 2
Clause 4.2.4

Replace the clause by-

"Every hydraulic lift shall be provided with an electric device preventing a start for a normal journey when the pressure exceeds the full load pressure by more than 10% or an overload device specified in Part 1 Clause 4.2.4. The operation of the electric device shall prevent the power operated doors from closing and also give audible and visual signals inside the car.";

and sub-clause 4.2.2.3 is deleted.

12. Section E Part 2
Clause 5.11.8

Replace "Safety Gear" by "Clamping Device" at the heading.

13. Section E Part 2

Delete-

Table 2

"

5.11.8	Check on the operation of safety gear	X		
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 "

and add-

"

5.10.8	Check on the operation of safety gear	X		
5.11.8	Check on the operation of clamping device	X		

 "

14. Section E Part 3
Clause 5.5(a)

Replace "the car" by "the empty car".

15. Section E Part 3

Replace the first paragraph by-

Clause 5.9.3

"Operation of the car safety gear or the counterweight safety gear is proved by the device specified in Clause 6.4.3."

16. Section E Part 3
Clause 6.4.3

Replace the clause by-

"Traction drive lifts shall incorporate a device to cause the machine to stop, and keep it stopped, if, after a start is initiated, the time elapsed exceeds 10 s in excess of the normal time for travelling the full travel."

17. Section E Part 4
Clause 3.3.1

Replace the second paragraph by-

"The distance between the handrail profile and guide or cover profiles on either side shall under no circumstances be wider than 8mm (see b'_6 and b''_6 in figure 2, detail W)."

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AMENDMENT No. 9
Distance between Balustrade Interior Panelling of
Slim Type Escalator
(Effective from 15 June 1998 in line with Amendment No. 1 to BS EN115:1995)

<u>Item</u>	<u>Clause</u>	<u>Description</u>
1.	Section E Part 4 Clause 1.1.5.7(b)	Replace "if the following conditions at least 1.2m" by "for escalators with handrails centralized with balustrade interior panelling".