

EM/LE/55 Pt. II

895 8649

14 March 1994

All Registered Lift & Escalator Contractors
All Registered Lift & Escalator Engineers

Dear Sirs,

Circular No. 3/94
Grace Period for Specific Provisions in the
Code of Practice on the
Design and Construction of
Lifts and Escalators

The Lifts and Escalators (Safety) (Amendment) Ordinance 1993 shall come into operation on 18.3.1994 and the captioned Code of Practice (the Code) shall be applicable to all new installations tendered for on or after that date. Having regard to the changes introduced by some of the new requirements, grace periods commencing from 18.3.1994 are granted to certain provisions in the Code subject to the compliance with specified conditions. The relevant conditions must be observed in case a grace period is claimed for a particular provision.

Provisions with grace period of 6 months (18.3.94 to 17.9.94)

- Clause 2.2.3(a) of Section E Part 1 and 2 in respect of the automatic rechargeable emergency supply.
- Clause 4.16.3 of Section E Part 1 and 2 in respect of the feeding duration for the automatic rechargeable emergency supply, provided that the requirement R1 stipulated below is complied with.
- Clause 10.3.1.5 of Section E Part 1 and 2.

- Clause 10.3.1.6 of Section E Part 1 and 2 in respect of the interlock of the security/fire gate with the lift control.
- Clause 2.3 of Section E Part 3 in respect of the automatic rechargeable emergency supply.

Provisions with grace period of 12 months (18.3.94 to 17.3.95)

- Clause 5: Notes of Section E Part 1 in respect of the 150% loading in the case of non-commercial vehicle lift, provided that the requirement R2 stipulated below is complied with.
- Clause 8.4.2.1 of Section E Part 1 in respect of the braking load of 150% of rated load for non-commercial vehicle lift, provided that the requirement R3 stipulated below is complied with.
- Clause 8.9 of Section E Part 1 in respect of the rating requirements for the motor and drive system in the case of non-commercial vehicle lift.
- Clause 10.3.1.8 of Section E Part 1 and 2.
- Clause 11.5 of Section E Part 1 and 2 in respect of the out of service warning indication.
- Clause 1.5.3.3 of Section E Part 3 provided that the requirement R4 stipulated below is complied with.
- Clause 3.3.1 of Section E Part 4 in respect of the 4mm limit at either side for the horizontal clearance between handrail profile and guide.
- Clause 3.8 of Section E Part 4 in respect of certification of handrail breaking strength for public service escalators.
- Clause 8.7 of Section E Part 4.
- Clause 10.3.4 of Section E Part 4 in respect of the manual reset requirement where stopping is effected in the cases (i), (k), (n), (o), (p), (q) and (r) in Clause 10.3.2.4.

Provisions with grace period of 24 months (18.3.94 to 17.3.96)

- Clause 3.7.2, 3.7.3.1 and 4.7 of Section E Part 1 and 2 - Preliminary operations preparing for the movement of the car are permitted in these circumstances.
- Clauses 8.6.1(a) and 8.6.2(c) of Section E Part 4 in respect of the provision of auxiliary brake, provided that the requirement R5 stipulated below is complied with.

Conditions Imposed

The imposed conditions as mentioned in the foregoing are listed below:-

- R1 The automatically rechargeable emergency supply for lift car shall be capable of feeding at least a 1W lamp for one hour in case of an interruption of the normal lighting supply.
- R2 The traction formula shall be satisfied with a load equivalent to 125% of the rated load in the case of non-commercial vehicle lift.
- R3 The brake shall be capable of stopping the machine when the car is downward travelling at its rated speed and with a load equivalent to 125% of the rated load in the case of non-commercial vehicle lift.
- R4 Contractors shall issue instructions to ensure their staff are aware of the precautions to be taken in carrying out maintenance on a service lift which is not provided with the mechanical stopper.
- R5 An alternative device shall be provided for stopping the escalator in the event of failure of the coupling of the operation brake and the driving wheels of the steps, pallets or the belt. This device shall be of mechanical type, acting immediately, or via gears or shaft, on the main driving shaft for steps, pallets or the belt. Auxiliary brake shall be provided if the coupling of the operation brake and the driving wheels of the steps, pallets or the belt is not accomplished by shafts, gear wheels, multiplex chains, two or more single chains.

Alternative Design Requirements in respect of Clause 10.3.4 of Section E Part 4

As for Clause 10.3.4 of Section E Part 4 of the Code, where stopping is effected in the cases of (i) and (n), restarting of the escalator after the manual reset of the respective activated control circuit which stops the escalator and keeps it stationary is deemed to be in compliance with the requirement. The manual reset switch shall be provided at the control panel.

Yours faithfully,

(John CHAN)
for Director of Electrical and Mechanical Services

c.c. AD/BS
D of Housing

HKC/KHY/JC/awyl