

Our reference 本署檔號: (97) in EMSD/LESD 7-2/4A

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Your reference 來函檔號:

7 April 2017

To: Registered Escalator Contractors
Registered Escalator Engineers

Dear Sirs,

Circular No.: 3/2017
Checking, Adjustment, Inspection and Examination of
Broken-Drive-Chain Device and Drive Chain in Escalators during
Periodic Maintenance and Periodic Examination

Reference is made to the recent escalator incident happened on 25 March 2017 at Langham Place, 8 Argyle Street, Mongkok, Kowloon.

You are reminded that during periodic maintenance of escalators, the broken-drive-chain device (BCD) (for detecting abnormal elongation and breakage of the drive chain) and the drive chain shall be thoroughly maintained, checked, adjusted and tested. The BCD shall always be kept in a proper state of maintenance to ensure free operation of its entire actuation mechanism. Testing of the BCD shall be conducted in a manner involving physical actuation of its mechanical parts to check the full integrated operation of its electrical and mechanical components. Registered escalator contractors are required to make reference to the manufacturer's maintenance manual to ascertain the maintenance, checking, adjustment and testing requirements of BCD and drive chain and whenever necessary, supplement the requirements as mentioned above to ensure that the BCD and drive chain are kept in good and proper working conditions. Registered escalator contractor shall also ensure that their workers are fully aware of and are competent of the above to diligently carry out escalator maintenance works.

For periodic examinations of escalators, registered escalator engineers shall inspect, test and examine the BCD to verify and reconfirm its functionality in a way as mentioned above. Also, registered escalator engineers shall inspect the drive chain to confirm that it is free from crack, breakage and excessive elongation, and the chain is in an acceptable safe condition for operation in accordance with the manufacturer's recommendations.

If your existing practice is different from that above, you should carry out necessary maintenance, checking, adjustment and testing of the BCD and drive chain in the forthcoming periodic maintenance and periodic examination. In case of any abnormality found, please report the findings to the Director as soon as practicable, either by email (lesd@emsd.gov.hk) or by fax (fax no. 2577 4901). In addition, please remind the Responsible Person of the concerned escalator to immediately stop the operation of the escalator once the abnormality is observed.

Should you have any queries, please contact the undersigned or our engineer, Mr. Y. N. YIU at 2808 3540.

Yours faithfully,



(CHEUNG Kim-ching)
for Director of Electrical and Mechanical Services

c.c.

The Director of Housing

The Director of Architectural Services

The Lift and Escalator Contractors Association

The Registered Elevator and Escalator Contractors Association Limited

The Hong Kong General Union of Lift and Escalator Employees

Building Services Operation and Maintenance Executives Society

CE/AVE, CE/TSCS, CE/P, CE/GES, CE/Mun, CE/HS