

Our reference 本署檔號 : (66) in EMSD/LESD 7-2/4A Pt II

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27 September 2022

To: All Registered Lift Contractors
All Registered Lift Engineers

Dear Sir/Madam,

Circular No. 9/2022

**Periodic Examinations – Submission of Record of Measured
Holding Voltage Applied to Brake Coil of Lifts**

To strengthen monitoring of braking systems of lifts, Registered Lift Engineers (RLEs) are required to report via EMSD e-Platform the holding voltage across brake coil as measured during periodic examinations taken place on or after 28 October 2022.

RLEs should note the input details and checking criteria for reporting brake coil holding voltages detailed in the Annex to this circular. RLEs should request Registered Lift Contractors (RLCs) responsible for maintenance of the lifts concerned to rectify cases of irregular holding voltages, i.e. with measured values outside acceptable tolerance, identified without delay and have the case(s) reported to this office within seven days from the examination. RLCs and RLEs should ensure that the measurement and examination are carried out in a proper and safe manner.

If you have any question on this subject, please contact our officer at 2808 3554.

Yours faithfully,

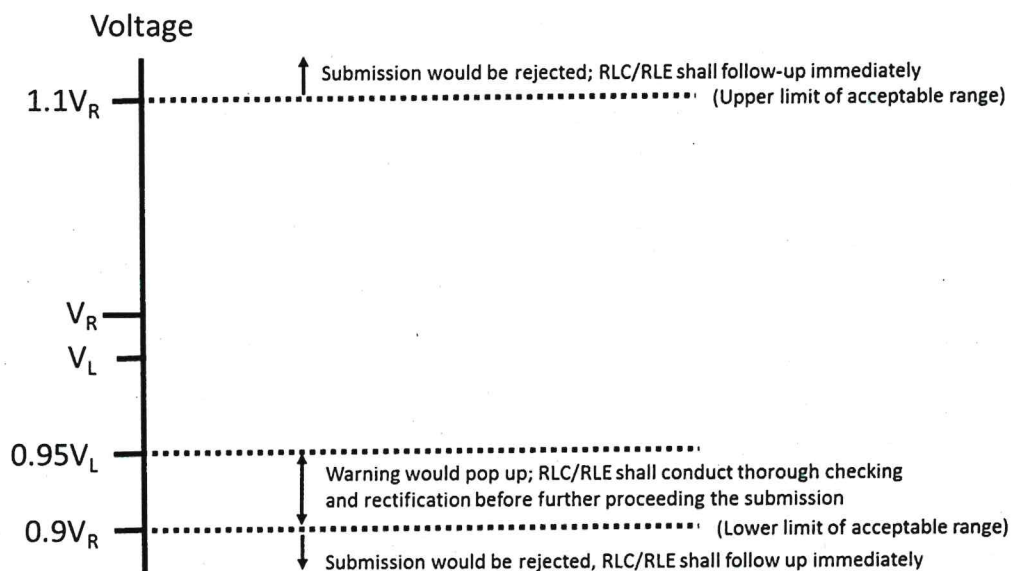


(LEE Chi-leung, Eric)

for Director of Electrical and Mechanical Services

Annex - Input details and checking criteria on brake coil holding voltage for reporting via EMSD e-platform

1. Registered Lift Engineers should key in EMSD e-platform (i) the value of rated holding voltage of the brake coil, and (ii) the measured holding voltage across the brake coil. The value of rated holding voltage of the brake coil will be stored in the e-platform and be provided as pre-filled data in subsequent reporting.
2. Range of acceptable brake coil holding voltage – The e-platform will check and only accept brake coil holding voltage of a value **within $\pm 10\%$** of the rated holding voltage of the brake coil. Thorough checking and rectification, as appropriate, of connections or components upstream to the brake coil should be made immediately if the measured brake coil holding voltage is approaching or in excess of the acceptable range.
3. Alert level of brake coil holding voltage – If the measured value is **5% lower than** the brake coil holding voltage last measured¹, a warning would pop up in the e-platform. Thorough checking and rectification, as appropriate, of connections or components upstream to the brake coil should be conducted without delay.



V_R= Rated Holding Voltage of Brake Coil

V_L= Last Measured Holding Voltage of Brake Coil recorded in e-platform, V_L = V_R for the first time submission

¹ For the first time submission, the last measured value would be the rated holding voltage.