

Circular No: RD/E01/2020
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To: All Licensed Electrical Workers

Dear Sir

SINGAPORE STANDARD SS638 CODE OF PRACTICE FOR ELECTRICAL INSTALLATIONS - SECTION 722L ELECTRIC VEHICLE CHARGING SYSTEM

The Singapore Standard SS 638: 2018 Code of Practice for Electrical Installations (Formerly CP 5) requires electric vehicle charging system installed in an Electrical Installation (EI) to comply with TR 25:2016.

2 Manufacturer, distributor, or motor dealer who wishes to provide fixed EV Supply Equipment (EVSE as defined in TR 25:2016) to consumers, is required to submit application in writing, stating the brand, model and power rating of the EVSE and attach the relevant test report and Certificate of Conformity of the EVSE to EMA-LTA Interim Joint Panel (IJP) for verification. Please refer to EMA EV web site¹ for more details of technical and mandatory accreditation scheme compliance requirements. The application shall be sent to the email address (evse_app_ijp@ema.gov.sg) which shall also be used for subsequent correspondences with the IJP.

3 A Letter of No Objection (LNO) will be issued by EMA on behalf of the IJP to the applicant if the submitted test report is found to be in order. Licensed electrical workers shall check the EVSE and LNO before permitting the use or installation of EVSE in an EI. The EVSE installed shall form part of the EI which is subjected to regular inspection and maintenance to ensure fitness and safe for operation.

4 Licensed Electrical Workers, responsible for EIs with EVSEs, shall familiarise themselves with the design of protection system, electrical wiring, specifications, inspection, testing and commissioning of A.C. and D.C EVSE requirements as stipulated in TR 25:2016 (Technical Reference for Electric Vehicle Charging Systems); and the regular inspection and maintenance requirement specified in TR 25 Amendment No.1: July 2020.

¹ EMA EV Web site: https://www.ema.gov.sg/Electric_Vehicle_Charging_Systems.aspx

5 For further clarification, please contact us at our hotline Tel: 6835 8000, or email to EMA_RD_ELISE@ema.gov.sg.

Yours faithfully

KNG MENG HWEE
DEPUTY CHIEF EXECUTIVE
INDUSTRY REGULATION DIVISION