

Standard for New Public Charging Infrastructure for EVs

As part of the Government's efforts to facilitate the development of Singapore's electro-mobility ecosystem, the Electro-Mobility Singapore (EMS) taskforce co-chaired by LTA and EDB has recommended to adopt a nationwide public charging standard. This will support the wider use of EVs and is in line with the Government's plans to launch a large-scale EV Car-sharing Programme under the EV Phase 2 Test-bed, under which an islandwide network of 2,000 charging points will be installed.

2 Since 2014, the EMS has been seeking inputs from relevant stakeholders including the industry, research institutions and government agencies. On behalf of the EMS, LTA and EDB are pleased to share that the **Type 2 AC and Combo 2 charging systems according to the IEC 61851 series and 62196 series** has been selected as the national charging standard for all new public EV charging infrastructure, with additional local requirements that will be stated in the revised local technical reference for EV charging systems. Amongst other merits, this future-ready standard allows for a faster charging speed in addition to capitalising on Singapore's existing 3-phase power supply. It is also the standard currently adopted across Europe.

3 The technical reference for EV charging systems, TR 25, is currently being revised by the Electrical and Electronic Standards Committee (EESC) under SPRING Singapore to reflect the new standards for the commencement of the new national public charging standard. The new standard will be implemented once the revised TR25 is available by 1 August 2016.

4 Charging systems installed in private premises are not required to comply with the new standard but will nevertheless need to meet applicable safety protocols. Notwithstanding, those planning to install new charging systems in private premises in future are encouraged to adopt the new standard, to ensure a more unified national charging system in Singapore.