

INFORMATION BULLETIN

#0014
May 2017

Applicable Standards for Electric Vehicle Supply Equipment (EVSE)

This information notice is to provide guidance on the minimum Australian and New Zealand electrical safety and certification requirements associated with EVSE intended to be supplied with electric vehicles and plug-in hybrid vehicles, such as passenger cars, SUVs and motorcycles.

Such equipment as an Electric Vehicle charge cable with Charging Circuit Interrupting Device (CCID) and integral Residual Current Device (RCD) are deemed to be in-scope Level 1 equipment under AS/NZS 4417.

Currently the most relevant suite of standards for these devices are the following, along with any applicable Australian adoptions of these standards:

IEC 61851 *Electric vehicle conductive charging system*

IEC 62196 *Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles*

IEC 62752 *In-cable control and protection device for mode 2 charging of electric road vehicles*

Resistance to heat and fire requirements of AS/NZS 60335.1:2011 clause 30.2 for unattended appliances (note this is the same as IEC 60335-1 Ed 5.1 clause 30.2).

Test reports should cover full compliance to all relevant standards as updated from time to time, (including Australian marking and Australian rated voltage a.c. at 50 Hz plus tolerances).

Information contained in this bulletin is provided as guidance to duty holders to discharge obligations under electrical safety laws. It may not cover all requirements and does not remove obligations to comply with any other regulations.

For more information about local requirements or for further information, check with your local Electrical safety regulator:

http://www.erac.gov.au/index.php?option=com_content&view=article&id=71&Itemid=474