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ELECTRIC VEHICLES CHARGING ACT 2022

**ELECTRIC VEHICLES CHARGING
(STRIDES DIGITAL PTE. LTD. —
VEHICLE-TO-GRID CHARGER TRIAL) RULES 2026**

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In exercise of the powers conferred by section 28 of the Electric Vehicles Charging Act 2022, the Acting Minister for Transport makes the following Rules:

PART 1
PRELIMINARY

Citation and commencement

1. These Rules are the Electric Vehicles Charging (STRIDES Digital Pte. Ltd. — Vehicle-to-Grid Charger Trial) Rules 2026 and come into operation on 2 April 2026.

Definitions

2. In these Rules —

“approved trial” has the meaning given by rule 3;

“calendar day” includes Saturday, Sunday and every public holiday;

“incident reporting guidelines” means the incident reporting guidelines set out in the Third Schedule;

“prescribed competent person” means an individual prescribed under regulation 20 of the Electric Vehicles Charging (Electric Vehicle Chargers) Regulations 2023 (G.N. No. S 786/2023);

“special type of EV charger” has the meaning given by rule 2 of the Electric Vehicles Charging (Trials and Special Uses) (General) Rules 2023 (G.N. No. S 791/2023);

“specified area” means the basement carpark in the building known as E6 Building within the Singapore Institute of Technology campus located at 1 Punggol Coast Road, Singapore 828608, as delineated by the black-coloured lines in the map set out in the Second Schedule;

“specified EV charger” means any special type of EV charger that is a fixed EV charger bearing any of the serial numbers listed in the First Schedule;

“specified period” means the period from 2 April 2026 to 1 October 2027 (both dates inclusive);

“specified person” means STRIDES Digital Pte. Ltd. (UEN 201607143W);

“TR25:2022” means the version of Technical Reference 25 for Electric Vehicles Charging System published by the Enterprise Singapore Board on 28 February 2022.

PART 2

APPROVED TRIAL

Specified person to undertake approved trial

3. The specified person is authorised by the LTA to undertake a trial in respect of the specified EV chargers within the specified area during the specified period (called in these Rules the approved trial).

Other participants of approved trial

4. In addition to the specified person, any person within the following classes of persons may participate in the approved trial:

- (a) any employee, officer or agent of the specified person who is authorised by the specified person —
 - (i) to alter, modify, advertise, supply, certify, install, test, operate or maintain any specified EV charger;
 - (ii) to provide an EV charging service using any specified EV charger;

- (iii) to engage in business as a charging station operator using any specified EV charger; or
 - (iv) to charge an EV, or to allow an EV to be charged, using any specified EV charger;
- (b) any person who is engaged by, or who collaborates with, the specified person —
 - (i) to alter, modify, advertise, supply, certify, install, test or maintain any specified EV charger; or
 - (ii) to allow an EV to be charged using any specified EV charger;
- (c) any employee, officer, agent or sub-contractor of any person mentioned in paragraph (b) who is authorised by that person to carry out the activities described in that paragraph in respect of the specified EV charger;
- (d) any person who allows an EV to be charged using any specified EV charger.

Deployment of specified EV chargers for approved trial

5.—(1) The specified person may only install, deploy, operate and maintain any specified EV charger within the specified area during and for the purposes of the approved trial.

(2) In carrying out any of the activities described in paragraph (1) in respect of any specified EV charger, the specified person must ensure that —

- (a) the specified EV charger does not pose any hazard to, or endanger, any person or property; and
- (b) appropriate measures are taken to abate or minimise any nuisance or inconvenience caused by the installation, deployment, operation or maintenance of any specified EV charger.

Liability insurance

6.—(1) The specified person must —

- (a) before the approved trial starts, have in place liability insurance insuring against any third-party liability in respect of death, bodily injury or damage to property that a person may sustain or incur arising from the approved trial; and
- (b) ensure that the liability insurance mentioned in sub-paragraph (a) is in force at all times during the approved trial.

(2) The specified person must ensure that the liability insurance is issued by an insurer who, at the time the liability insurance is issued, is lawfully carrying on an insurance business in Singapore.

(3) The LTA may impose conditions of authorisation in respect of the approved trial requiring the specified person to maintain the liability insurance mentioned in paragraph (1)(a) —

- (a) for a minimum amount of \$2 million per claim; and
- (b) under one or more approved policies, each of which —
 - (i) must not contain any limit on the number of claims that may be made in each calendar year;
 - (ii) must state that the specified person is the party solely liable to pay the premiums in respect of the liability insurance; and
 - (iii) must contain a term that the contract of the liability insurance policies may not be amended without the written consent of the LTA.

PART 3

DUTIES OF SPECIFIED PERSON

Application of this Part

7. Unless otherwise provided under this Part, the duties of the specified person under this Part apply during and for the purposes of the approved trial.

Duty to operate specified EV chargers in compliance with safety and performance standards

8. The specified person must ensure that the operation of every specified EV charger complies with any of the following applicable safety and performance standards:

- (a) the version of European International Standard on Electric vehicle conductive charging system – Part 23: DC electric vehicle charging station published by the European Committee for Electrotechnical Standardization on 30 May 2014 (called EN 61851 23:2014);
- (b) the version of European International Standard on Electric vehicle conductive charging system – Part 23: DC electric vehicle charging station published by the European Committee for Electrotechnical Standardization on 3 June 2016 (called EN 61851-23:2014/AC:2016-06);
- (c) the version of European International Standard on Electric vehicle conductive charging system – Part 24: Digital communication between a DC EV charging station and an electric vehicle for control of DC charging by the European Committee for Electrotechnical Standardization on 30 May 2014 (called EN 61851-24:2014);
- (d) the version of European International Standard on Electric vehicle conductive charging system – Part 24: Digital communication between a DC EV charging station and an electric vehicle for control of DC charging by the European Committee for Electrotechnical Standardization on 17 June 2015 (called EN 61851-24:2014/AC:2015);

- (e) the version of European International Standard on Electric vehicle conductive charging system – Part 1: General requirements by the European Committee for Electrotechnical Standardization on 17 June 2015 (called EN IEC 61851-1:2019).

Duty to have specified EV chargers periodically inspected

9. The specified person must ensure that every specified EV charger is inspected and certified by a prescribed competent person as follows:

- (a) after the end of 6 months starting on the start date of the specified period;
- (b) thereafter, at intervals of at least 6 months starting on the date of the last certification.

Duty to maintain specified EV chargers

10. The specified person must ensure that —

- (a) any specified EV charger deployed is at all times maintained in a good condition and in accordance with the applicable requirements set out in TR25:2022 as notified by the LTA to the specified person; and
- (b) the charging system of any specified EV charger deployed is at all times functioning properly,

such that no harm or damage is caused, or likely to be caused, to any person or property.

Duty to manage risks and notify incidents, etc.

11.—(1) The specified person must, before the start of the approved trial, submit a safety proposal to the LTA that sets out the measures which the specified person intends to implement to manage and mitigate the risks of the approved trial, for the LTA's approval.

(2) The specified person must ensure that the measures set out in the safety proposal approved by the LTA are implemented at all times during the approved trial.

(3) Where any accident, emergency or incident (called in this rule the relevant incident) occurs in the course of the specified person undertaking the approved trial that causes, or has the risk to cause, death or bodily injury to, or any threat to the health or safety of, any individual, or any damage to any property or vehicle, the specified person must —

- (a) notify the LTA of the relevant incident without delay;
- (b) where the relevant incident is a type of incident specified in the incident reporting guidelines — provide to the LTA an incident report in accordance with the requirements specified in the incident reporting guidelines as applicable to that type of relevant incident —
 - (i) by email to EVCS_Sandbox@lta.gov.sg; and
 - (ii) in Microsoft Word format or portable document format (PDF); and
- (c) comply with any additional requirements that the LTA may require, including providing to the LTA, within 14 calendar days after receiving a written request from the LTA for any clarification in relation to any incident report mentioned in sub-paragraph (b), the clarification together with any information or documents in support of that clarification.

Duty to provide information upon request

12. The specified person must, upon a written request by the LTA, provide to the LTA any information relevant to the undertaking of the approved trial —

- (a) in a case of any information about any accident arising from the approved trial that has caused, or has posed a risk of, bodily injury to any individual or damage to any property or vehicle — by the date and time specified by the LTA in the written request; or
- (b) in any other case — within 14 calendar days after the date on which the specified person receives the written request.

Duty to disconnect, remove and shut down specified EV chargers on end of approved trial

13.—(1) The specified person must, within the decommissioning period —

- (a) disconnect every specified EV charger from the electricity grid;
- (b) remove every specified EV charger from the electrical installation it is affixed to; and
- (c) shut down every specified EV charger.

(2) In paragraph (1), the decommissioning period is —

- (a) in a case where the authorisation granted to the specified person is cancelled under rule 8 or 9 of the Electric Vehicles Charging (Trials and Special Uses) (General) Rules 2023 — the period of 30 calendar days after the date on which the cancellation takes effect; or
- (b) in any other case — the period of 30 calendar days after the end of the specified period.

PART 4

MISCELLANEOUS

Modified application of certain Act provisions to approved trial

14.—(1) During the specified period, section 25(3) applies to the inspection of a specified EV charger by a prescribed competent person under rule 9 as it applies to an inspection of an EV charger required by section 25, with the following modifications:

- (a) a reference to an EV charger is a reference to a specified EV charger;
- (b) a reference to the prescribed procedure and standard is a reference to the procedure and standard set out in the applicable form provided by the LTA to the specified person;

- (c) a reference to a registered responsible person is a reference to the specified person;
- (d) a reference to complying with section 25(1) is a reference to complying with rule 9.

(2) Section 25(5) applies to the failure of a prescribed competent person to comply with section 25(3) as modified by paragraph (1).

(3) During the specified period, section 31 (Tampering with EV charger, etc.) applies to a specified EV charger used in the approved trial with the modification that a reference to an EV charger is a reference to a specified EV charger.

(4) During the specified period, Division 2 of Part 5 of the Act (Product defects) applies to a specified EV charger used in the approved trial with the following modifications:

- (a) a reference to an EV charger is a reference to a specified EV charger;
- (b) the references in sections 35(1), (2)(c), (4), (5) and (6) and 37(2)(a) to a manufacturer or supplier of an EV charger are references to the person who supplied a specified EV charger to the specified person;
- (c) the reference in section 35(1) to the time prescribed is a reference to 7 calendar days;
- (d) section 35(1)(b) and (c) is replaced with a reference to the specified person;
- (e) the reference in section 35(3) to a person to whom the notice is addressed is a reference to the specified person;
- (f) section 35(3)(b) does not apply;
- (g) the reference in section 35(5) to the prescribed time is a reference to 14 calendar days or any longer time that the LTA may by written notice allow;
- (h) the reference in section 36(1) to a person in section 35(1)(b) or (c) is a reference to the specified person;

- (i) section 37(2)(b), (c) and (d) is replaced with a reference to the specified person;
 - (j) the reference in section 38(1) to the person or class of persons is a reference to the specified person;
 - (k) the reference in section 38(2) to a person is a reference to the specified person;
 - (l) section 38(3), (4), (5) and (6)(b) and (c) does not apply;
 - (m) the reference in section 39(1) to the person bound by a safety and security directive is a reference to the specified person;
 - (n) the reference in section 39(2) to a person to whom a safety and security directive is given is a reference to the specified person.
- (5) During the specified period, section 45(1) and (2)(f) applies to the specified person with the following modifications:
- (a) a reference to the granting of a licence to any person is a reference to the granting of an authorisation to the specified person to undertake the approved trial;
 - (b) a reference to the licensee is a reference to the specified person;
 - (c) a reference to the validity period of the licence is a reference to the specified period;
 - (d) a reference to approved policies is a reference to policies of insurance each of which is not subject to any conditions, exclusions or exceptions prohibited by these Rules;
 - (e) a reference to the regulated activity authorised by the licence is a reference to the approved trial.
- (6) A reference to a section in this rule is a reference to a section of the Act.

FIRST SCHEDULE

Rule 2

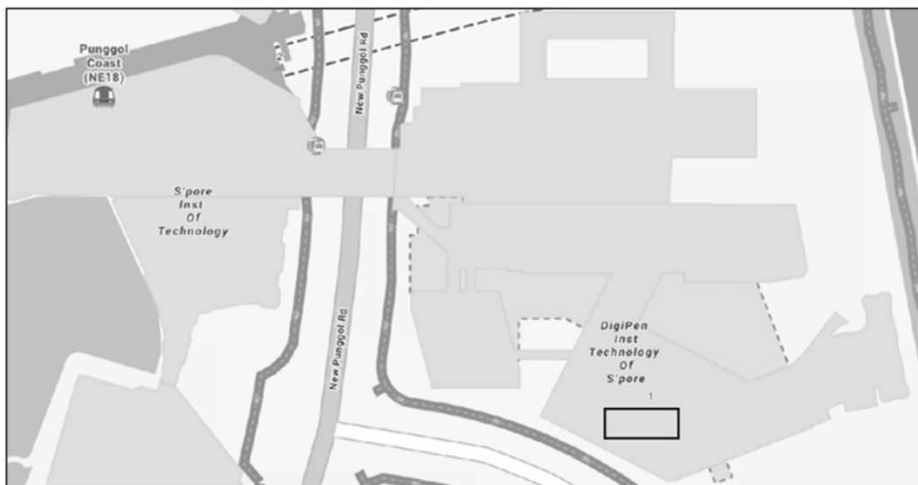
SPECIFIED EV CHARGER SERIAL NUMBERS

1. 2507020001
2. 2507020004
3. 2507020012
4. 2507020003
5. 2507020006
6. 2507020010
7. 2507020008
8. 2507020013
9. 2507020011
10. 2507020009

SECOND SCHEDULE

Rule 2

SPECIFIED AREA



THIRD SCHEDULE

Rule 2

INCIDENT REPORTING GUIDELINES

<i>First column</i>	<i>Second column</i>	<i>Third column</i>
<i>Type of relevant incident</i>	<i>Type of incident report required to be made to the LTA</i>	<i>Information required to be included in detailed incident report</i>
1. Any death or bodily injury, or any damage to any property that results in any specified EV charger becoming inoperative	(a) Preliminary incident report within 24 hours after the relevant incident (b) Detailed incident report within 48 hours after the relevant incident	(a) Date, time and location of the relevant incident (b) Details of all persons involved (c) Details of the relevant incident (d) Details of the circumstances of the relevant incident, including any photographic or other supporting evidence (e) Details of actions taken in response to the relevant incident, such as any administration of first aid or order of evacuation (f) Details of the suspected cause of the relevant incident (g) Details of any measures proposed to be taken to prevent recurrence of the relevant incident

THIRD SCHEDULE — *continued*

<i>First column</i>	<i>Second column</i>	<i>Third column</i>
<i>Type of relevant incident</i>	<i>Type of incident report required to be made to the LTA</i>	<i>Information required to be included in detailed incident report</i>
2. Any electrical safety-related incident, such as electrocution of any individual, short-circuit, power outage or other electrical failure caused during or by the operation of a specified EV charger	(a) Preliminary incident report within 24 hours after the relevant incident (b) Detailed incident report within 48 hours after the relevant incident	(a) Date, time and location of the relevant incident (b) Details of any equipment involved in the relevant incident (c) Details of the relevant incident, such as the duration of power outage or any electrocution or injuries sustained, including any photographic or other supporting evidence (d) Details of actions taken in response to the relevant incident to ensure safety or restore power (e) Details of investigation findings on the root cause of the relevant incident (f) Details of any measures proposed to be taken to prevent recurrence of the relevant incident

THIRD SCHEDULE — *continued*

<i>First column</i>	<i>Second column</i>	<i>Third column</i>
<i>Type of relevant incident</i>	<i>Type of incident report required to be made to the LTA</i>	<i>Information required to be included in detailed incident report</i>
3. Any fire, thermal runaway, explosion or smoke hazard involving a specified EV charger or battery of an EV	(a) Preliminary incident report within 24 hours after the relevant incident (b) Detailed incident report within 48 hours after the relevant incident	(a) Date, time and location of the relevant incident (b) Details of the relevant incident, such as any damage or injuries sustained, including any photographic or other supporting evidence (c) Details of the suspected cause of the relevant incident (d) Details of actions taken in response to the relevant incident, such as any use of fire extinguishers, triggering of alarms or contact of emergency services (e) Details of any measures or repairs taken or made or proposed to be taken or made to prevent recurrence of the relevant incident

Made on 30 March 2026.

LAU PEET MENG
*Permanent Secretary,
Ministry of Transport,
Singapore.*

[MOT.LT.271.0.015.0.1; AG/LEGIS/SL/89B/2025/3]

(To be presented to Parliament under section 96 of the Electric Vehicles Charging Act 2022).