



الهيئة السعودية للمواصفات والمقاييس والجودة
Saudi Standards, Metrology and Quality Org.

General guidelines for obtaining an Electric Vehicle type approval certificate

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Introduction

These guidelines aim to explain the main areas required to obtain an Electric Vehicle type approval certificate in accordance to (Type1A) of conformity assessment model of the International Standard ISO/IEC17067. These guidelines are intended for the EV manufacturers of the Battery electric vehicle and Plug-in hybrid electric vehicle.

Scope

This document applies to all electric vehicles with a total weight of not more than 3,500 kg, and a speed of more than 25 km/h, whether they are manufactured inside Saudi Arabia or imported from abroad.

Steps to apply for an Electric Vehicle type approval certificate

- 1- Create an account on the certification site through the following link (jeem1.saso.gov.sa).
- 2- Apply for obtaining an Electric Vehicle type approval certificate - New Conformity Certificate/ Electric Vehicle - on the website (jeem1.saso.gov.sa) and check the agreement and declarations stated on the website in order to submit the request.
- 3- Fill out the applicant's information, and attach the following forms and attachments:
 - a. The application form for an Electric Vehicle type approval certificate.
 - b. Importer Declaration of conformity form (an Electric Vehicle type approval certificate).
 - c. An electric vehicle model certificate issued by the same manufacturer.
 - d. Download the test report form "ELECTRIC VEHICLE TEST REPORT" from the Jeem1 system and upload it after filling it.
 - e. Upload an effective quality management system, for example a management system certificate according to ISO / TS 16949 "Special requirements for the application of ISO 9001 in the field of production of vehicles and related spare parts".
 - f. Upload material Safety Data Sheet (MSDS) for the battery.
 - g. Upload risk assessment document.
 - h. Upload designs and drawings to demonstrate conformity of the product with the requirements of the technical regulations for electric vehicles.

- i. Upload pictures of the identification sign/mark that clarify that the vehicle is an Electric Vehicle.
 - j. Upload necessary warnings, alerts, and manuals of how to use the product safely and securely.
 - k. Attach the date of the periodic tests to ensure the ease of attendance and participation by SASO representatives. This step should be within a period of not less than three months from the date of the tests.
*Note: the required attachments in the system should be adhered to in the event that the requirements between the guidelines and the system do not match.
- 4- Type and fill in the product data fields - the electric vehicle - in English. Please see the item "Explanation of electric vehicle data fields".
 - 5- After typing the product data and the final declaration. Jeem1 system will issue an invoice for the fee of submitting the application.
 - 6- After paying the fee of submitting the application, the certification procedure and timeline will start in the "Time work rules" item. When the application reaches the technical study stage, Jeem1 system will issue an invoice for the fee of the technical study, and the applicant must pay the fee to start the technical study stage.
- *The applicant can follow up with the progress of the application in the Jeem1 system through the "Action History" tab.

Explanation of electric vehicle data fields

The following fields should be filled in in the product data fields on the electronic system:

	Field	Example/Clarification
1.	Electric Vehicle Type	One of the following types is chosen: BEV or PHEV.
2.	Manufacturer	

3.	Country of production	
4.	Country of origin	
5.	Type	The name of vehicle should be typed.
6.	Category	Ex. Passenger Car
7.	VIN number	Ex. ABC12345*G*****
8.	Model Year	Ex. 2020
9.	Produced In and after	Ex. 05/05/2019
10.	Number of doors	Ex. 4
11.	Drive Line	Ex. Front-wheel drive
12.	Body style	Ex. Sedan
13.	Maximum Weight (kg)	Ex. 3100
14.	Maximum Front Axle weight (kg)	Ex. 1500
15.	Maximum Rear Axle weight (kg)	Ex. 1600
16.	Curb Weight (kg)	Ex. 2800
17.	Length (mm)	Ex. 5000
18.	Width (mm)	Ex. 2000
19.	Height (mm)	Ex. 2000
20.	Front Track (mm)	Ex. 2000
21.	Rear Track (mm)	Ex. 2000
22.	Wheelbase(F1-R1) (mm)	Ex. 5000
23.	Type of the Chassis and Body	Ex. Chassis Frame
24.	Number of Passengers (with driver)	Ex. 4
25.	Transmission	Ex. Automatic
26.	Electric Motor Power (kW)	Ex. 600

27.	Battery Voltage (Volt)	Ex. 350
28.	Battery Capacity (kWh)	Ex. 50
29.	Full Battery Charge Time (hours at 220V)	Ex. 24
30.	Battery Type	Ex. Lithium ion
31.	Service brakes	Ex. Pneumatic
32.	Emergency brakes	Ex. Combined with the service brake
33.	Fuel Economy Equivalent (km/Le)	Ex. 15
34.	Electric Consumption (kWh/100km)	Ex. 10
Fields related to PHEV		
35.	Number of Cylinders	Ex. 6
36.	Displacement (cc)	Ex. 8500
37.	Air intake	Ex. Turbo
38.	Net Engine Power: kW	These two fields appears together in the certificate as in the following example:
39.	Net Engine Power: at rpm	Net Engine Power: 175 kW at 2500 rpm
40.	Engine size (L)	Ex. 1.5
41.	Fuel Type	The fuel type is chosen (Petrol + Electric)
42.	ICE Fuel Economy (km/L)	Ex. 15
43.	Combined Fuel Economy (km/Le)	Ex. 20

General Provisions

- The incomplete files sent to SASO for more than a month are considered invalid.
- The validity period of the certificate is only one year.
- SASO has the right to revoke the validity of the certificate whenever the need arises.
- All fees are non-refundable in any way.
- A separate application must be submitted for each different model.
- The manufacturer must provide all the information and markings - which will be placed on the vehicle such as stickers and instruction sheets - in Arabic and English.
- Sixty days at least before dispatching the first consignment of any type of vehicles, in each year, the manufacturer shall send to the concerned authority the unique identifier for each make and type of vehicle it manufactures with the list of VIN using the identifier.
- The list of vehicles to be exported for the entire year with the specific VIN list shall be sent to the concerned authority for each model year. This may be sent just before the end of each model year, if not possible at the start of the model year.

Complaints and Disputes

The applicant has the right to write the objection / complaint / dispute regarding his request clearly and send it to SASO by e-mail to info@saso.gov.sa or one of the channels available by SASO's beneficiaries center with the documents supporting the objection / complaint / dispute attached to it and SASO will set up a special committee to consider and review all matters related to objections, complaints and disputes, according to the Beneficiary satisfaction procedure.

Fees

Item	Fee (SAR)
Application submission	1,000
Technical review	2,000