

**Certification Procedure for Electric Vehicle Chargers and Accessories
(QMS-CR-10-92)**

Note:

Only the Arabic version of this document is authentic in law and is applicable where there are differences with this translation

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1. Purpose

This program sets out the procedures and processes required for granting conformity certificate for electric vehicle chargers model approval and accessories in accordance with the General Technical Regulations for Conformity Certificates, the Technical Regulations for Electric Vehicles and Conformity Assessment Form No. Type-1A in accordance with the international standard ISO/IEC17067. Subject to the Regulation for Conformity Certificates approved by the Saudi Standards, Metrology and Quality Organization (SASO), the Department of Conformity Certificates in SASO shall be responsible for implementing this program, and reserves the right to make any modifications and/or additions to this program, as may be required.

2. Scope

This program shall apply to electric vehicle chargers and accessories, which are placed and/or made available in the Kingdom's markets, whether manufactured inside or outside the Kingdom.

3. Referenced Documents

1. Technical Regulations for Electric Vehicles
2. General Technical Regulations for Conformity Certificates
4. Beneficiary Satisfaction Procedure QMS-PR-25
5. Standards related to electric vehicle chargers and accessories

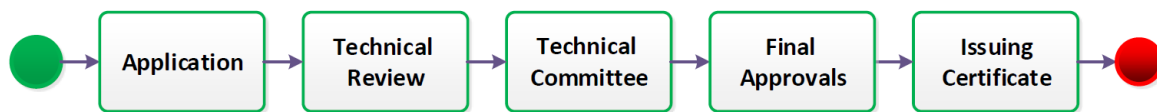
4. Terms and Definitions

1. Kingdom: Kingdom of Saudi Arabia
2. The Organization/SASO: The Saudi Standards, Metrology and Quality Organization.
3. Technical Regulations: A document approved by the Board that provides, the specifications of products, associated processes and production methods, including applicable administrative provisions; with which compliance is mandatory. It may include or pay attention to terms, definitions, packaging, and requirements of markings or labelling products, services, processes or production methods.
4. Standard: A document approved by the Board that provides, for regular and recurring use, non-mandatory rules and instructions, and specifications of products or processes and production methods. It may include, or pay attention to terms, definitions, packaging, and requirements of markings or labelling products, services, processes or production methods.
5. Risk(s): A potential risk causing damage; associated with the severity of damage.
6. Supplier Declaration of Conformity: A declaration by the supplier by which it declares that a product conforms to the requirements herein and applicable legislations, without the mandatory intervention of a third party neither in the design stage, nor in the production stage of the manufacturing process. A declaration may depend on testing the product in accordance with the relevant legislation.
7. Electric vehicle: A vehicle that operates by an electric motor, instead of an internal-combustion engine.

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8. Model: A class of product (electrical vehicle) that has the same physical properties (shape, capacity, size....) and specific technical properties, and has a special number.

5. Steps for granting conformity certificate for model approval for electric vehicle chargers and accessories



6. Requirements for obtaining model approval conformity certificate for electric vehicle chargers and accessories.

| | | |
|------------|--|--|
| 6.1 | Administrative Requirements and Procedures | |
| | Requirement | Fulfilled |
| 6.1.1 | Fill out the application form for Model Approval Certificate for Electric Vehicle Chargers and Accessories (CER-CC-F-34) | |
| 6.1.2 | Fill out undertaking and acknowledgment form (Model Conformity Certificate – Model Approval for Electric Vehicle Chargers and Accessories) (CER-CC-F-35) | |
| 6.1.3 | . Provide risk assessment document | |
| 6.1.4 | Provide designs and drawings confirming the product conformity with the requirements of the Technical Regulations for Electric Vehicles | |
| 6.1.5 | Provide the necessary warnings and cautions labels and manuals for product safe operation and use | |
| 6.6.6 | Compliance with standards related to electric vehicle chargers and accessories stated in Annex 1 | |
| 6.1.7 | Provide the data of the electric vehicle chargers and accessories as described in Annex 2 | |
| 6.2 | Technical Requirements | |
| | Requirement | Fulfilled |
| 6.2.1 | EV charger type | <input type="checkbox"/> Type 2 <input type="checkbox"/> Combined Charging System 2 <input type="checkbox"/> CHAdeMO |
| 6.2.2 | Frequency | <input type="checkbox"/> 60 Hz <input type="checkbox"/> 50/60 Hz |
| 6.2.3 | Voltage | |
| 6.2.4 | Current | |
| 6.2.56 | Attach a clear and high-quality photograph for all parts of the product. | |

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6.2 General Provisions:

1. The period for granting a model approval certificate for electric vehicle chargers and accessories is twenty (20) working days, if all requirements are met.
2. Frequencies and voltages shall be in accordance with SASO-GSO-1899
3. All costs are not refundable in any way.
4. Any incomplete file sent to Certification System shall be considered invalid if not completed within a period not exceeding one (1) month.
5. Registration shall be for one model only
6. SASO shall have the right to take any action as may be necessary in case of any violation regarding the proper use of the certificate or any violation of the provisions of the General Technical Regulation for Conformity Certificates.
7. The certificate shall valid for one (1) year only.
8. The standardized report form must be downloaded from the electronic system, filled out and filed to the system to complete the certification process.
9. Data shall be entered in English language.

6.3 Complaints/Objections/Disputes:

An applicant shall have the right to submit a clear and well-prepared objection/complaint/dispute regarding his application to SASO by e-mail to info@saso.gov.sa or via one of the channels available by SASO's beneficiaries center, provided that the same shall be accompanied by supporting documents, as required. SASO shall form a special committee to study and review all matters related to objections, complaints and disputes, in accordance with the Beneficiary Satisfaction Procedure QMS-PR-25.

6.5 Fess

| Item | Fees (SAR) |
|------------------------|------------|
| Application submission | 1000/model |
| Technical Review | 2000/model |

7. Forms

1. Application form for Model Approval Certificate for Electric Vehicle Chargers and Accessories (CER-CC-F-34)
2. Undertaking and Acknowledgment Form (Model Conformity Certificate – Model Approval for Electric Vehicle Chargers and Accessories) (CER-CC-F-35)

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3. Recommendation and Decision Form for Granting Model Approval Certificate for Electric Vehicle Chargers and Accessories (CER-CC-F-36).

4. Model Approval Certificate Form for Electric Vehicle Chargers and Accessories - Certificate of Conformity – (CER-CC-F-34)

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Annex 1- Standards Related to Electric Vehicle Chargers and Accessories

| Product Name in English | Product Name in Arabic | Standard |
|---|--|--|
| EV-Cable | EN-50650-2017AMD2019 كابل مركبات الكهربائية | SASO-IEC-61851-1 SASO-IEC-62893-1 SASO-IEC-62893-2 SASO-IEC-62893-3 |
| Vehicle connectors | موصلات مركبات كهربائية | SASO-IEC-61851-1 SASO- IEC-62196-1 |
| Vehicle coupler | قارنات شواحن مركبات كهربائية | SASO-IEC-61851-1 SASO- IEC-62196-1 |
| Vehicle inlet | مدخل شاحن مركبة كهربائية | SASO-IEC-61851-1 SASO- IEC-62196-1 |
| EV socket-outlet | مقابس مركبات كهربائية | SASO- IEC-62196-1 SASO- IEC-62196-2 SASO GSO IEC 60309-1 |
| EV Adaptors | مهايئات مركبات الكهربائية | SASO-IEC-61851-1 |
| EV Cord Extension Set Source | اسلاك تمديدات وصلات إطالة مركبات الكهربائية | SASO IEC 61851-1 |
| Wallbox Charging station (AC) | محطة شحن جدارية للمركبات الكهربائية (التيار المتردد) | SASO IEC 61851-1 SASO GSO IEC 61851-23 |
| Wallbox Charging station (DC) | محطة شحن جدارية للمركبات الكهربائية (التيار المستمر) | SASO IEC 61851-24 SASO IEC 61851-21-1 SASO IEC 61851-21-2 |
| Wallbox Charging station (AC- DC) | محطة شحن جدارية للمركبات الكهربائية (تيار متردد- تيار مستمر) | |
| Charging station (AC) | محطة شحن مركبات الكهربائية (تيار متردد) | |
| Charging station (DC) | محطة شحن مركبات الكهربائية (تيار مستمر) | |
| Charging station (AC-DC) | محطة شحن مركبات الكهربائية (تيار متردد- تيار مستمر) | |
| EV portable charger | شاحن محمول للمركبات الكهربائية | |
| EV supply equipment EV Cable Management System EV supply equipment IC-CPD | معدات وأنظمة شحن المركبة الكهربائية | SASO-IEC-61851-1 SASO- IEC-62196-1 SASO- IEC-62196-2 SASO- IEC-62196-3 SASO GSO IEC 60309-1 SASO GSO IEC 61851-23 SASO IEC 61851-24 SASO IEC 61851-21-1 SASO IEC 61851-21-2 SASO-IEC-62368-1 SASO IEC 62752 SASO GSO IEC 60309-1 SASO 2203 |

Annex 2 –Electric Vehicle Chargers and Accessories Information

| Electric Vehicle Charger and Accessories Information | بيانات الشواحن المركبات الكهربائية وملحقاتها |
|--|--|
| Product name | اسم المنتج |
| Model number | رقم الطراز |
| Manufacturer | الشركة المصنعة |
| Importer Name | اسم المورد |
| Trademark | العلامة التجارية |
| Country of origin | بلد التصنيع |
| Technical requirements/standard | المتطلبات /المواصفات الفنية |
| Test report number | رقم تقرير الاختبار |
| Test report date | تاريخ تقرير الاختبار |
| Test Report Issuer | جهة اصدار التقرير |