



SURFACE VEHICLE STANDARD	J2911™	FEB2020
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Superseding J2911 NOV2017		
Procedure for Certification that Requirements for Mobile Air Conditioning System Components, Service Equipment, and Service Technician Training Meet SAE J Standards		

RATIONALE

This document is being revised to update SAE contact information and to clarify recertification requirements.

1. SCOPE

This SAE standard provides manufacturers/marketers, testing facilities, and providers of technician training with a procedure for certifying compliance with the applicable standard. Manufacturers/marketers or sellers who advertise their products as certified to an SAE J standard shall follow this procedure. Certification of a product is voluntary; however, this certification process is mandatory for those advertising meeting SAE standard(s) requirements. Only certifying to this standard allows those claiming compliance to advertise that their product (unit), component, or service technician training meets all requirements of the applicable SAE standard.

Certification of compliance to this and the appropriate standard and use of the SAE label on the product shall only be permitted after all the required information has been submitted to SAE International and it has been posted on the SAE website. This process is mandatory for those advertising as being “Certified to SAE JXXXX-(version)” [appropriate SAE standard] requirements or any advertising or labeling language that implies such certification. SAE International will post the results in the official SAE online database.

SAE J2911 requires manufacturers/marketers, testing facilities, and technician training providers to comply with different requirements. This document covers requirements for MAC system components, service equipment, and printed training manuals that are different in content. Therefore, for consistency of reference in this standard, they are identified for general reference as a “product.” Additionally, a reference in this standard to an applicable standard is used as a general term and it refers to the document that defines the requirements, such as Section 609 of the Clean Air Act. Regulatory agencies will also have access to the SAE International public posting of the results in the official SAE database.

1.1 Purpose

The purpose of this standard, SAE J2911, is to verify and certify that the requirements of the specified SAE J standard for MAC system components, MAC service equipment, and MAC service technician training are met. Certification provides a means to assure a customer or a regulatory agency that the equipment, the components, or the service technician training complies with the performance required by the SAE standard to which it is certified. This procedure also identifies the data required for each SAE J standard that is to be submitted to SAE International to be recorded and available in the public domain.

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http://standards.sae.org/J2911_202002

1.2 Field of Application

This certification process is applicable to all component testing, service equipment testing, and technician training accreditation. Submission to this standard is not required for components if PPAP, or equivalent, OEM certification is already on file at the supplier.

2. REFERENCES

2.1 Applicable Documents

The standards listed on the SAE website per the link <http://macdb.sae.org/> must follow this standard to obtain SAE compliance certification. Unless otherwise indicated in the applicable standard, the latest published date of the SAE standard shall apply.

[Link to MAC Manufacturer Database](#)

As this standard is maturing, some product compliance requirements are listed both in this standard and the applicable standard. When the requirements overlap or conflict, those requirements listed in the applicable standard take precedence. In future updates of this standard, the intent is to delete overlapping or conflicting requirements.

2.2 Related Publications

The following publications are provided for information purposes only and are not a required part of this SAE Technical Report.

2.2.1 ISO Publications

Copies of these documents are available online at <http://webstore.ansi.org/>.

ISO 817	Refrigerants - Designations and Safety Classification
ISO 9000	Quality Management Systems - Fundamentals and Vocabulary
ISO 9001	Quality Management Systems - Requirements
ISO 9002	Quality Systems - Model for Quality Assurance in Production, Installation and Servicing
ISO/TS 16949	Quality Management Systems
ISO/IEC 17025	General Requirements for the Competence of Testing and Calibration Laboratories

2.2.2 ASHRAE Publications

Available from ASHRAE Headquarters, 1791 Tullie Circle, NE, Atlanta GA 30329, Tel: 800-527-4723 (U.S. and Canada only) or 404-636-8400, www.ashrae.org.

ASHRAE 34	Safety and Classification of Refrigerants
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3. REQUIREMENTS FOR SAE STANDARD COMPLIANCE

Below are the general guidelines and requirements for certifying a products' compliance to an SAE standard. They include requirements for minimum laboratory testing facilities and instrumentation certification, mobile air conditioning (MAC) system components, MAC service equipment, and MAC technician training programs.

3.1 General Certification Requirements

- 3.1.1 Qualified testing personnel shall verify all supporting documentation required for compliance is valid and complete, and the document transmittal to SAE International shall be signed by the company representative authorized to verify compliance of certification to that SAE standard(s). Any data required for compliance demonstration shall have been generated within 1 year of the SAE J2911 submission date.
- 3.1.2 The manufacturer/marketer can reference certification of compliance with this standard and the associated component or equipment standard only after completion of posting on the SAE International website.
- 3.1.3 It is the manufacturer's/marketer's responsibility to update the certification submittal information prior to the expiration date.

3.2 Laboratory Testing Facilities and Instrumentation

- 3.2.1 The laboratory test facilities used for testing of the product shall comply with the appropriate SAE standards for that product, as well as this standard.
- 3.2.2 The testing shall be conducted by an industry-recognized facility having all the appropriate instrumentation to certify the compliance to the applicable SAE standard. This includes any facility that conforms to ISO 9000/9002, or one listed by the U.S. Environmental Protection Agency for Section 609 Certified Equipment, per <http://www.epa.gov/Ozone/title6/609/technicians/appequip.html>, or one meeting ISO/IEC 17025 and/or ISO/TS 16949, and has the ability to meet the requirements identified in the appropriate SAE J standard, as well as this document. When applicable, the testing facility shall also comply with requirements handling flammable refrigerants.
 - 3.2.2.1 All testing must be done by qualified technicians, and if testing is conducted by an independent facility, the manufacturer's/marketer's own personnel may provide no more than verbal or written assistance in answering questions from test personnel.
 - 3.2.2.2 The manufacturer/marketer of a component, if accredited by meeting specific ISO 17025 requirements, can provide test results from their own laboratory facility. The manufacturer/marketer of service equipment must provide results of tests performed by a qualified independent laboratory, although the independent laboratory may use a laboratory facility of the manufacturer/marketer if it also is qualified as required by this SAE standard.
- 3.2.3 If the facility is certified to ISO 9000/9002, the facility shall attach a valid certificate of compliance to the test results. If testing is done in a facility which is not ISO certified, they shall provide documentation to establish the capability of the facility to conduct testing as specified in the appropriate standard.
- 3.2.4 All tests required for certification of products are outlined in the applicable SAE standard.
- 3.2.5 Product performance is subject to normal production variation. If an SAE standard for the product being certified has a minimum performance requirement, these requirements take priority over those in this standard.
- 3.2.6 The laboratory facility's technician(s) shall have documented qualification in the use of all the equipment required to perform the tests.
- 3.2.7 The laboratory performing the testing shall ensure that all sensing and measuring instrumentation and metering devices shall meet the accuracy requirements of the standard to which the product is being certified. The test facility shall have and maintain the necessary instrumentation certification program and keep calibration records for the testing equipment. The test facility shall verify all measuring devices and instruments are within the calibration cycle before starting the test.