

General Guidelines

Paper Length:

SAE does not restrict the number of pages for a technical paper, although, the average technical paper has less than 12 pages in 2 column format. The length of any technical paper should be sufficient to provide supporting material to prove any stated conclusions and detail the methodology used to obtain the supporting evidence. The Organizer / Technical Track Chair has the authority to instruct the author on content and quantity of information needed.

USE OF S.I. (METRIC) UNITS OF MEASURE IN SAE TECHNICAL PAPERS

EMB 10.4.9

The long-term goal for SAE is international communication with minimal effort and confusion. Therefore, the use of S.I. units in all technical publications and presentations is preferred. The Society will strive toward universal usage of S.I. units and will encourage their use whenever appropriate.

However, the Society also recognizes that sectors of the mobility market represented by the EMB do not yet use S.I. units because of tradition, regulatory language, or other reasons. Mandating the use of S.I. units in these cases will impede rather than facilitate technical communication. Therefore, it is the policy to allow non-S.I. units and dual dimensioning where communication will be enhanced. This shall not be viewed as an avenue to circumvent the long-term goal of 100 percent S.I. usage.

Instructions on SAE-approved techniques for conversion of units are contained in "SAE Recommended Practices, Rules for SAE Use of S.I. (METRIC) Units – TSB003." Copies of TSB003 can be obtained from SAE Headquarters.

Formally 30.9

NOTE: While what follows represents a change to the current policy, it is not a change to the SAE Board of Directors' Policy since it falls within the scope of the words, "where a conflicting industry practice exists." Dual (metric/U.S. Customary) units for the following vehicle characteristics may be considered where communication will be enhanced:

Vehicle Characteristic	Metric Units	U.S. Customary Units
1. Volume or Displacement	Liters or cm ³	in ³
2. Liquid Volume	Liters	pints/quarts/gallons
3. Engine Power	kw	bhp
4. Engine Torque	N-m	lb. ft.
5. Mass	kg	lbs.
6. Pressure Stress	kPa	psi
7. Temperature	°C	°F
8. Area	cm ²	in. ²
9. Linear Dimensions	mm, cm, meters, km	in, feet, miles
10. Spring Rates	N/mm	lb/in
11. Speed	km/h or kph	mph
12. Fuel Economy	km/l or kmpl	mpg
13. Force	Newtons	lbs.
14. Acceleration	km/sec ²	g's

Draft Manuscript Review Criteria

In order to assure high-quality technical papers, it is a policy of the SAE Engineering Meetings Board that all SAE papers are peer-reviewed. The review is based on the following criteria:

- **Content and Scope:** Must be worth being heard and/or purchased by meeting attendees and others because it makes a new and original contribution to the state of the art or is a constructive review of its technical field.
- **Organization and Presentation:** Commercialism must be avoided.
- **Quality of Data and Validity of Analytical Techniques:** Each paper must be free of technical errors.
- **Soundness of Conclusions:** Performance claims and all conclusions must be supported by test data or validated simulation.
- **Editorial Quality:** Editorial quality must be maintained at a high level.
At least 2 out of the 3 reviewers must approve all paper submissions.