

IEEE-SA STANDARDS BOARD IMPLEMENTATION PLAN FOR IEEE POLICY 9.17

Approved by IEEE-SA Standards Board, 15 September 2006
(updated 30 June 2016; editorial updates: 24 Mar 2017, 24 Apr 2019, 09 Feb 2021)

The IEEE-SA Standards Board adheres to IEEE Policy 9.17, which calls for measured and calculated values of quantities to be expressed in metric units in IEEE publications, following the detailed guidance for SI-based metric practice given in the most current version of IEEE/ASTM SI 10 American National Standard for Metric Practice.

Proposed new standards and revised standards submitted for approval should use metric units exclusively in the normative portions of the standard. Metric units shall be the primary unit of measurement where applicable. Inch-pound units may be included in parentheses after the metric units if the Standards Committee believes that the audience for the document would benefit from the inclusion of inch-pound units, based on concerns for safety or clarity. Standards Coordinating Committee 14 (SCC14) shall provide guidance to IEEE Staff as they support the committees responsible for generating IEEE standards to help them carry out this implementation plan. IEEE Policy 9.17 recognizes the need for some exceptions. SCC14 shall review requests for individual exceptions and shall report its recommendations to the IEEE-SA Standards Board. Each recommendation from SCC14 to grant an exception shall indicate the period of applicability for such exception.

Exceptions

- Exceptions for trade sizes, such as the AWG wire series and inch-based standards for fasteners. Such data need not be translated into metric terms.
- Also excepted are those cases, such as plugs and sockets, where a mechanical fit to an inch-based product is required.
- This implementation plan does not require metric products to be substituted for inch-based products.