

**SCC14 Quantities, Units, and Letter Symbols**  
**2022 May Report to IEEE Standards & Standards Innovations (S&SI)**  
**Doug Edwards, Chair**

**1. SCC14 Scope**

SCC14 studies questions regarding quantities, units, and systems of measurement; prepares recommendations and standards on these matters in support of the IEEE Policy on metrics; and provides current information on quantities and units to all organizations preparing IEEE standards in support of the IEEE SA Standards Board Implementation Plan for IEEE Policy 9.16. The Committee maintains the American National Standard for Metric Practice, IEEE/ASTMSI-10, and advises all IEEE entities on questions regarding metric practices and the application of the International System of Units (SI).

**2. Member roster**

**a. SCC14 voting member are:**

<b>Name</b>	<b>Affiliation</b>	<b>Role</b>
Edwards, Doug	Siemens	Chair
Flowers, Keith	Siemens	Vice-Chair
Shull, Stephen	BBC Electrical Services	Secretary
Balma, Peter	Retired	Voting Member
Curey, Randy	Northrup Grumman	Voting Member
Benham, Elizabeth	NIST	Voting Member
Hoffman, Gary	Advanced Power Technologies	Voting Member
Ressel, Howard	New York State Dept. of Transportation	Voting Member

**b. SCC14 Officer Rotation**

- Doug Edwards was re-appointed Chair – February 2, 2021.
- Pending – Three (3) years term of office (per P&P) thus next officer rotation due no later than May 2022.

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**3. Document status/activity report**

Std Project Number	Project Type	Project Title	Std Expiration Date	Approval PAR Date	PAR Expiration Date	Project Status
260.1	Revision	Standard Letter Symbols for Units of Measurement (SI Units, Customary Inch-Pound Units, and Certain Other Units)	31 Dec 2004	22 Sep 2016	31 Dec 2024	Draft Development
260.3	Revision	American National Standard Mathematical Signs and Symbols for Use in Physical Sciences and Technology	31 Dec 2022	23 Feb 2022	31 Dec 2026	Draft Development
260.4	--	Standard Letter Symbols and Abbreviations for Quantities Used in Acoustics	31 Dec 2028	NA	NA	Not Active
270	--	Standard for Definitions for Selected Quantities, Units, and Related Terms, with Special Attention to the International System (SI)	31 Dec 2022	NA	NA	Time to form WG
280	--	Standard Letter Symbols for Quantities Used in Electrical Science and Electrical Engineering	31 Dec 2028	NA	NA	Not Active
945	--	Recommended Practice for Preferred Metric Units for Use in Electrical and Electronics Science and Technology	31 Dec 2029	NA	NA	Not Active
947	--	Guide for Identification of Alternative Metric Devices for Valves, Fittings, Threads, Flanges	NA	NA	NA	PAR Administratively Withdrawn 8 Dec 2021.
1541	--	Standard for Prefixes for Binary Multiples	31 Dec 2031	NA	NA	Not Active
SI_10	--	American National Standard for Metric Practice	31 Dec 2026	NA	NA	Time to form WG

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**4. SASB Restructure – Move to S&SI Committee**

Per [SASB 8 Dec 2021 meeting](#)

Move (*motion*) that the following SCCs be transitioned into the Standards and Standards Innovations (S&SI) ... and that they shall be recognized by the SASB as Standards Committees:

- ...
- SCC14 - Quantities, Units, and Letter Symbols
- ...

Move (*motion*) that the newly recognized Standards Committees be permitted to operate under their current operating procedures until 31 December 2022 or until acceptance by AudCom/SASB of updated operating procedures on the Standards Committee baseline, whichever is sooner.

In the absence of objection, the ... motions were approved.

**5. Recent activities**

**a. SCC14 Conventions**

- No revisions or updates made to SCC14 Conventions.

**b. Review/Support of IEEE-SA Editorial Staff**

- In 2017 and into 2018, SCC14 engaged with IEEE-SA Editorial to support review of drafts before RevCom to ensure drafts approved by the SASB comport to IEEE Policy 9.16 and the IEEE-SASB Implementation Plan for IEEE Policy 9.16.
- Such pre-reviews by IEEE-SA Editorial Staff appear to be working without issue.
- No change in process.

**c. SCC14 Working Group P&P**

- No actions in 2021.
- SCC14 Working Group P&P was Deemed without issue at the IEEE-SA AudCom December 2019 meeting – [IEEE-SA AudCom 2019-12-17 Minutes](#).

**d. Repository for SCC14 documents**

- IEEE-SA has a repository via IMeetCentral to share published SCC14 documents for SCC14 members.

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**e. [SCC14 Website](#)**

- SCC14 Website is actively being maintained and visited.
- SCC14 Website utilizes EEE supported WordPress and IEEE Template.
- All meeting minutes (SCC14 Main Committee, Working Groups, and Annual Reports) made public. Previously, minutes were only available on SCC14 "Private" webpages requiring passwords.

**f. SCC14 Marketing**

- An IEEE Blog Article "[Why Is Standardized Measurement Important?](#)" promoting SCC14 activities was published to IEEE SA Beyond Standards on 15 June 2021.
- US Metric Association Metric Today ([Mar/Apr 2022](#)) article, "Standards and the SCC14 – Quantities, Units, and Letter Symbols The Standards Coordinating Committee of the IEEE" by Howard Ressel. ~~in process.~~  
~~Pending IEEE Legal review/release.~~

**6. Future Meetings**

SCC14 Fall 2022 is not yet scheduled.

**7. Budget and Expenses**

SCC14 has no funds, no operating expenses, does not collect dues and does not maintain a budget.

Reported by:

Doug Edwards  
Siemens  
Chair, SCC 14  
March 16, 2022