

SEMI Staff Report

July 2019



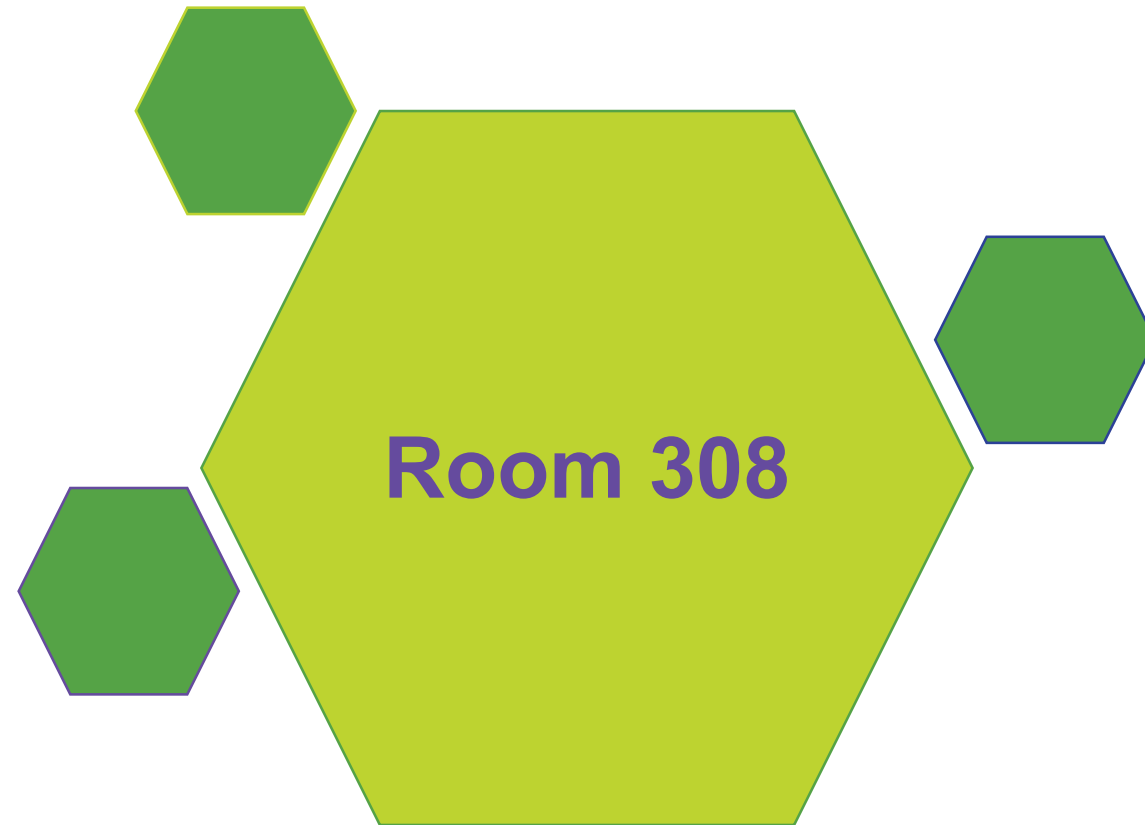
SEMI Global Calendar of Events

| Event Name | Event Details |
|---|------------------------------------|
| SEMICON[®] TAIWAN | September 18-20 Taipei, Taiwan |
| SEMICON[®] EUROPA | November 12-15 Munich, Germany |
| SEMICON[®] JAPAN | December 11-13 Tokyo, Japan |
| SEMICON[®] KOREA | February 5-7, 2020 Seoul, Korea |

Standards Meetings This Week

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|-----------------------|--------------------------------|------------------|----------|---------------------------------|----------|
| | 8 | 9 | 10 | 11 | 12 | |
| | ATE | | | 3D P & I | <div>Schedule at-a-glance</div> | |
| | | EH&S | | | | |
| | Facilities & Gases | | | ISC | | |
| | Information & Control | | | | | |
| | Liquid Chemicals | | | | | |
| | | | MEMS/NEMS | | | |
| | | Metrics | | | | |
| | | | Microlithography | | | |
| | NARSC | Physical Interfaces & Carriers | | | | |
| | | PV Materials | | | | |
| | | Silicon Wafer | | | | |
| | | | Traceability | | | |

Member Lounge Room





Upcoming NA Meetings

| Event Name | Date/Venue |
|-----------------------------------|--|
| NA Standards Fall 2019 Meetings | November 4-7, 2019 SEMI HQ Milpitas, California |
| NA Standards Spring 2020 Meetings | March 30-April 2, 2020 (tentative) SEMI HQ Milpitas, California |
| SEMICON West 2020 Meetings | July 20-23, 2020 Moscone Center San Francisco, California |

2019 Critical Dates for SEMI Standards Ballots



| 2019 | Ballot Submission Deadline | Voting Opens | Voting Closes |
|---------|----------------------------|--------------|---------------|
| Cycle 6 | July 19 | July 31 | August 30 |
| Cycle 7 | August 22 | September 4 | October 4 |
| Cycle 8 | October 11 | October 25 | November 25 |
| Cycle 9 | November 14 | November 26 | December 26 |

<https://www.semi.org/en/collaborate/standards/ballots>

SEMI Standards Publications

| Cycle | New | Revised | Reapproved | Withdrawn |
|------------|-----|---------|------------|-----------|
| March 2019 | 1 | 5 | 6 | 0 |
| April 2019 | 1 | 4 | 6 | 0 |
| May 2019 | 0 | 16 | 5 | 0 |
| June 2019 | 1 | 5 | 0 | 0 |

- Total SEMI Standards in portfolio: 1,003
 - Includes 268 Inactive Standards



SEMI Standards Publications

New Standards

| Cycle | Designation | Title | Committee | Region |
|--------------|--------------------|---|------------------------------|---------------|
| March 2019 | SEMI PV90 | Guide for Material Requirements of Internal Feeders Used in Monocrystal Silicon Growers | Photovoltaic | China |
| April 2019 | SEMI A2 | Specification for Surface Mount Assembler Smart Hookup (SMASH | Automation Technology | Japan |
| June 2019 | SEMI 3D19 | Test Method for Adhesive Strength of Adhesive Tray Used for Thin Chip Handling | 3D Packaging and Integration | Japan |

Inactive Standards

| Committee | Number of Inactive Standards |
|----------------------------------|------------------------------|
| Assembly & Packaging | 48 |
| Automated Test Equipment | 2 |
| Compound Semiconductor Materials | 4 |
| Environmental Health & Safety | 8 |
| Facilities | 15 |
| FPD – Equipment | 5 |
| FPD – Factory Automation | 14 |
| FPD – Materials & Components | 13 |
| Gases | 18 |



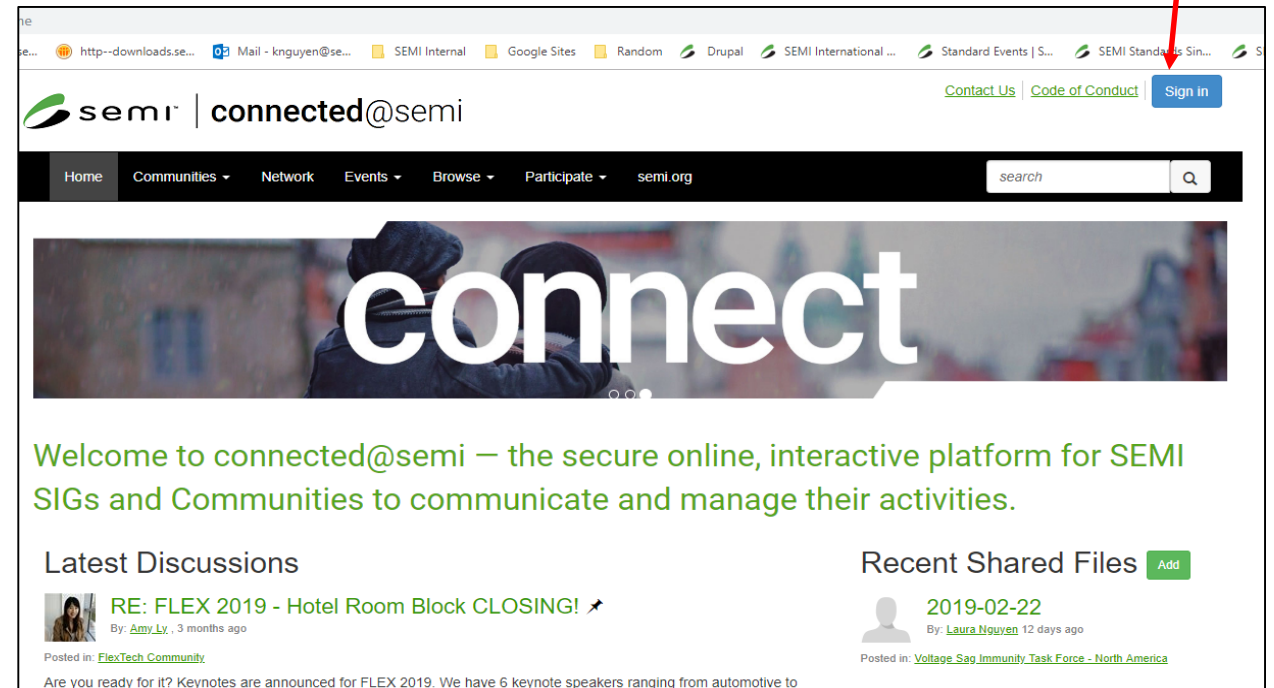
Inactive Standards Cont.

| Committee | Number of Inactive Standards |
|--------------------------------|------------------------------|
| Information & Control | 37 |
| Liquid Chemicals | 24 |
| MEMS | 3 |
| Metrics | 9 |
| Micropatterning | 29 |
| Photovoltaic | 1 |
| Physical Interfaces & Carriers | 19 |
| Silicon Wafer | 11 |
| Traceability | 8 |



Connect@SEMI Community

- Web link - <https://connect.semi.org>
 - Login using Standards account (username and password)
- Program Member
 - Join any task forces
 - Post discussion thread
- TF Leader/Community Admin
 - Add member
 - Upload meeting minutes
 - Communicate TF members
 - Contact your staff if a TF Site is desired



Regulations and Procedure Manual



- *Regulations* (Feb 28, 2019)
 - Latest version clarifies procedures applicable for
Copyrighted Items and trademarks
- *Procedure Manual* (Feb 28, 2019)
- SNARF (Feb 2019)



What is a Trademark?

- Trademarks are brands that owners consider to be valuable intellectual property.
- It can be a company name, an acronym, a graphical symbol, or a product name, even a software product. Products that are trademarked services are usually called service marks.
- Anyone can claim to trademark something, not already in use by others, to identify and distinguish it from others.
- Trademarks are identified in two ways:
 - A TM is used for claimed trademarks; SM is used for claimed service marks
 - The symbol ® is used for trademarks registered with the US Patent Office or other national trademark offices.

Why are the Rules for Trademarks Clarified?



- As part of SEMI policy to avoid any appearance of restraint of trade, the *Regulations* allow incorporation of trademarks in Standards Documents only under specific conditions.
- Hence, incorporation of a trademark in a Standards Document without complying with those conditions is a violation of the *Regulations*.
- It was brought to the attention of the ISC Regulations Subcommittee that a number of SEMI Standards Documents include trademarks or even require use of trademarked products without indicating that they were trademarks, who owned them, or the existence of a record of TC Chapter approval of that use.
- The *Regulations* already stated where & how trademarks could be used.
- After review of the rules, the Regs SC decided that the procedures for approving the incorporation of trademarks and the way they are presented needed to be clarified. Changes were incorporated in the June 8, 2018 and the Feb. 28, 2019 versions of the *Regulations* and the *Style Manual*.



Summary of Rules and Procedures (1/2)

Responsibilities of the TC Chapter

- See *Regulations* §§ 1.5.11 & 16.4 for official requirements
- Don't include company/organization names in official parts or Notes, except in footnotes and for SDOs in subheadings of Referenced Standards and Related Documents sections.
 - Many SDO names and acronyms are trademarked
 - SEMI Publications is assembling a list, for the *Style Manual*, of trademarked SDO names, acronyms and whether they are registered
 - Do not need to indicate that SEMI is trademarked.
- Only include trademark for a branded item if technically justified (only it meets requirements) and approved by TC Chapter vote.
 - Currently, assessment & approval is also required for inclusion of any trademark
 - Regs SC is reviewing the requirements for the trademarked SDOs name and acronym used in subheadings mentioned above.

Responsibilities of the TC Chapter



- Research whether a brand for an item is trademarked by owner and if it is registered
 - Owner's website (also get official name of owner)
 - <http://www.uspto.gov>; <http://www.inta.org> (international)
- At first convenient usage of a trademark in a Document:
 - Ensure that it is represented with the proper symbol (see *Style Manual 1-24*)
 - Also give the generic term for the product, if possible
 - Add a footnote that references the owner's name
- Corrections to a Document that uses a not-acknowledged trademark may be made editorially, if done properly (see *Regulations* ¶ 16.4.4.1.1 and Note 48)

Examples

- Example 1 for a product trademarked name
 - Not acknowledged: Kleenex
 - Not allowed: Kimberly-Clark Kleenex®
 - Allowed: Kleenex®¹
 - Preferred: Kleenex®¹ brand tissue (straight quote from box)
 - ¹ Kleenex trademark is owned by Kimberly-Clark Corporation.
- Example 2 for trademarked SDO name in subheadings of applicable sections
 - ASTM® Standards¹
 - ¹ ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959, USA; Telephone: +1.610.832.9585, Fax: +1.610.832.9555, <http://www.astm.org>. ASTM trademark is owned by ASTM International.



Nonconforming Titles

(See PM Appendix 4)

- None

SNARF 3-Year Status

TC Chapter May Grant a One-Year Extension

- None



5-Year Review



| Designation # | Standard Title | Action By | Original TF assigned to |
|---------------|---|-----------|-------------------------|
| SEMI E83-0515 | Specification for PGV Mechanical Docking Flange | West 2020 | NA |



Thank you!

SNARF(s) Approved by GCS

(in between TC Chapter Meetings)



Five-Year Review

(In-progress/Needs Action)



Backup Slides

- Review of Intellectual Property Reminder
- Text of relevant Regs



Intellectual Property Reminder (1/2)

- When possible, SEMI Standards and Safety Guidelines should be written in such a way that patented technology, copyrighted items, or trademarks is not necessary to use, comply with, or implement the Standard or Safety Guideline.
- All Program Members are responsible to make known any
 - Patented technology,
 - Published patent applications,
 - Copyrighted items, and
 - Trademarks

which may be required to use, comply with, or implement the Standard or Safety Guideline being developed.

Contact SEMI Staff if you are unable to publicly announce or discuss known intellectual property



Intellectual Property Reminder (2/2)

- Intentional concealment of any intellectual property, *while knowing it could have an effect on the document under development*, may render the intellectual property rights unenforceable in the future.
- See Section 16 of the *Regulations* for more information.

Contact SEMI Staff if you are unable to publicly announce or discuss known intellectual property





Relevant Regulations (1/3)

1.5.11 *Use of Proper Names and Incorporation of Trademarks*

1.5.11.1 Names or graphical trademarks of specific companies or organizations shall not be included in the official part or content of a Standard or Safety Guideline under any circumstances, except for subheadings for an SDO in the Referenced Standards and Documents and Related Documents sections (see Procedure Manual §§ A3-5 and A3-10) or for footnotes. In footnotes, names of specific companies or organizations are allowed.

NOTE 2: See § 16.4 for the process to use for including trademarked SDO names.

1.5.11.2 The incorporation of product trademarks in Standards and Safety Guidelines should be avoided. In certain cases, a trademark may be incorporated into a Standard or Safety Guideline by complying with the process defined in § 16.4. These cases include:

- a. it is part of a reference or citation to the source of an applicable object within the Standard or Safety Guideline;
- b. it is essential equipment, material, or services necessary to implement or determine compliance to a Standard or Safety Guideline; or
- c. it is required as a descriptor or in conjunction with other IP within a Standard or Safety Guideline.



Relevant Regulations (2/3)

16.4.1 Responsibility to Disclose Relevant Copyrighted Items and Third-Party Trademarks

16.4.1.1 Any Program Member involved in the development of a Document has the continuous responsibility to inform the GTC of the existence of any Copyrighted Items or third-party trademarks incorporated in the Document, except for trademarked organizations' names in footnotes that are provided to show the origins or owners of referenced Documents, trademarks, etc.

16.4.1.2 If a Copyrighted Item or third-party trademark incorporated in the Document is reported to the GTC, the Originating TC Chapter shall examine the Document and the Copyrighted Item or the trademark.

EXCEPTION: In cases where review is assigned to another TC Chapter (see ¶ 5.7.7.3 Exception), the assessment shall be done by that Responsible TC Chapter for any Copyrighted Item or third-party trademark disclosed in that Letter Ballot response

16.4.1.3 If the TC Chapter finds that a Copyrighted Item or a third-party trademark has been incorporated in the Document, it shall decide if the incorporation is justified on technical grounds. The conclusions reached in these examinations shall be reported to a meeting of that TC Chapter and recorded in the minutes of this meeting.



Relevant Regulations (3/3)

16.4.4 *Confirmation of Proper Incorporation of Trademark*

16.4.4.1 If the TC Chapter determines on technical grounds that the incorporation of the third-party trademark in the Standard or Safety Guideline is justified, it shall:

- Ensure that the trademark is represented properly (see Style Manual);
- Ensure that the generic term for the product is also given, whenever possible; and
- Ensure that a footnote references the organization that has ownership of the trademark.

16.4.4.1.1 After completion of the Letter Ballot Approval conditions check (see § 9.6.2) for a new Standard or Safety Guideline, reinstatement of an Inactive Standard or Safety Guideline, or a third-party trademark that is introduced in a Revision Ballot and a change to fulfill the above requirement is identified during the IP check, the Letter Ballot fails.

NOTE 48: Any editorial changes to fulfill the above requirement may be implemented during ballot adjudication or in the same meeting independently from Letter Ballot Review for revision or reapproval of an existing Current Standard or Safety Guideline (see § 8.9.4) for an existing third-party trademark in the Published Document.

Relevant *Procedure Manual*





Style Manual Update

- Style Manual Version 6 (March 25, 2019)
 - Additions and revisions to harmonize with updated *Regulations* and *Procedure Manual*
 - Updates
 - *Company or Organization Trademarks (Table 1, #1-24)*
 - *Active vs. Passive Voice (Table 4, #4-4)*
 - *Word Usage (Table 4, #4-5)*
 - *New Safety Guideline Conformance Notice (Table 8, #8-1)*
- www.1semi.org/standards/standardpublications
 - **Under Document Authoring Tools**