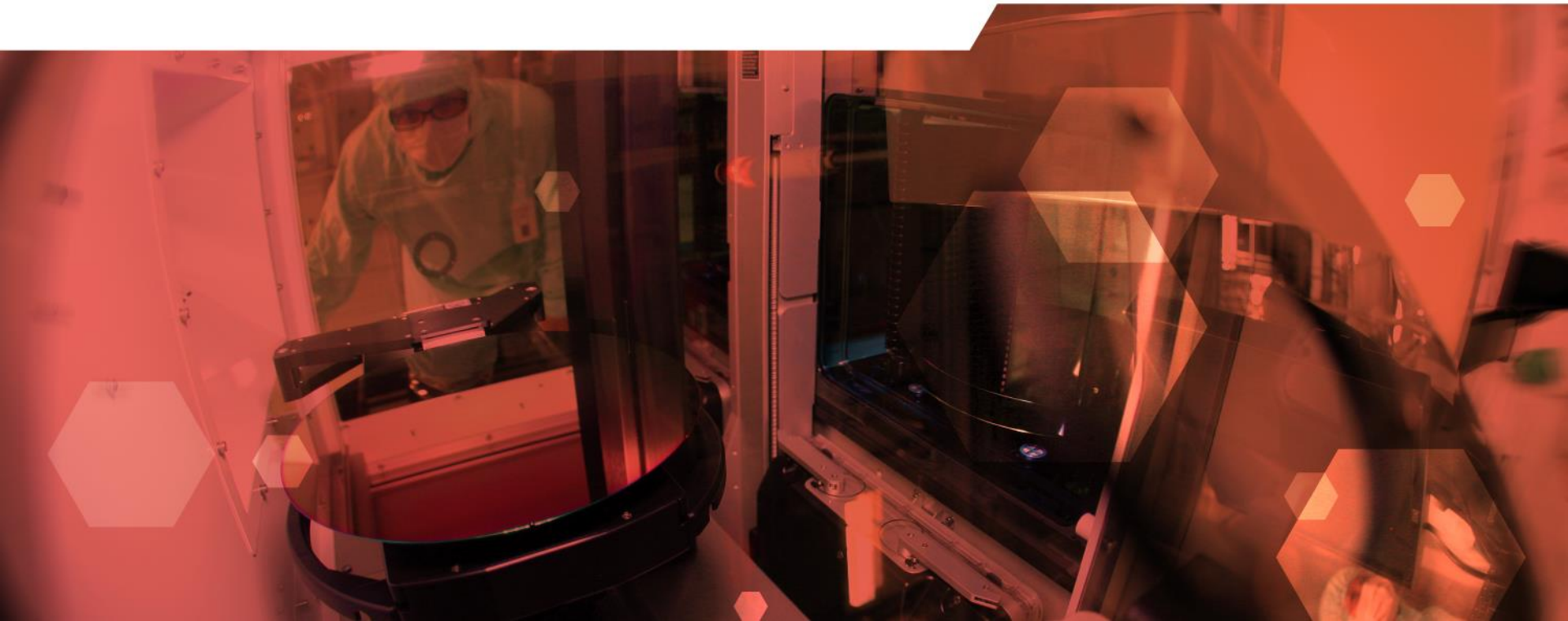


SEMI Staff Report

April 2019

v1



SEMI Global 2019 Calendar of Events

Event Name	Event Details
SEMICON[®] SOUTHEAST ASIA	May 7-9 Kuala Lumpur, Malaysia
SEMICON[®] WEST	July 9-11 San Francisco, CA
SEMICON[®] TAIWAN	Sep 18-20 Taipei, Taiwan
SEMICON[®] EUROPA	Nov 12-15 Munich, Germany
SEMICON[®] JAPAN	Dec 11-13 Tokyo, Japan

Standards Meetings will be held at
MOSCONE South Hall, not Marriott Marquis
– *Meeting room details will be available on the web*



- **Registration Link**

- <http://www.semiconwest.org/registration>
- Expo pass is complimentary for Standards Members
- Use promo code: STAN2019

- **Exhibitor or a Speaker?** and plan to attend the Standards Meetings

- Register according to directions from your SEMI contact, and RSVP to Laura Nguyen at Inguyen@semi.org.

- Upgrade to an ALL In Pass at a discounted rate!

Standards Meetings this week

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
		ATE		3DP&I		
		EH&S				
	Facilities & Gases					
	HB-LED					
	Information & Control					
	Liquid Chemicals					
	MEMS/NEMS					
	Silicon Wafer					
		Metrics				
		Physical Interfaces & Carriers				
				Traceability		

**Schedule
at-a-glance**

Upcoming NA Meetings

Event Name	Date / Venue
SEMICON West 2019	July 8-11, 2019 San Francisco, California [MOSCONE South Hall]
NA Standards Fall 2019 Meetings	November 4-7, 2019 SEMI HQ in Milpitas, California
NA Standards Spring 2020 Meetings	March 30- April 2, 2020 (tentative) SEMI HQ in Milpitas, California

2019 Critical Dates for SEMI Standards Ballots

2019	Ballot Submission Deadline	Voting Opens	Voting Closes
Cycle 3	March 12	March 26	April 25
Cycle 4	April 16	April 30	May 30
Cycle 5	May 10	May 24	June 24
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

<http://www1.semi.org/en/Standards/Ballots>

SEMI Standards Publications

Cycle	New	Revised	Reapproved	Withdrawn
November 2018	1	0	2	0
December 2018	0	7	6	0
January 2019	2	0	0	0
February 2019	1	3	4	0

- Total SEMI Standards in portfolio: 1,000
 - Includes 268 Inactive Standards

SEMI Standards Publications

New Standards

Cycle	Designation	Title	Committee	Region
November 2018	SEMI C97	Specification for Determination of Particle Levels of Gases Delivered as Pipeline Gas or by Pressurized Gas Cylinder	Gases	NA
January 2019	SEMI M88	Practice for Sample Preparation Methods for Measuring Minority Carrier Diffusion Length in Silicon Wafers by Surface Photovoltage Methods	Silicon Wafer	JA
January 2019	SEMI T23	Specification for Single Device Traceability for the Supply Chain	Traceability	NA
February 2019	SEMI PV89	Test Method for Current-Voltage Measurement in Indoor Lighting for Dye-Sensitized Solar Cell and Organic Photovoltaic	Photovoltaic	TW

SEMI Standards Publications

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	12
FPD – Substrate	1
Gases	18

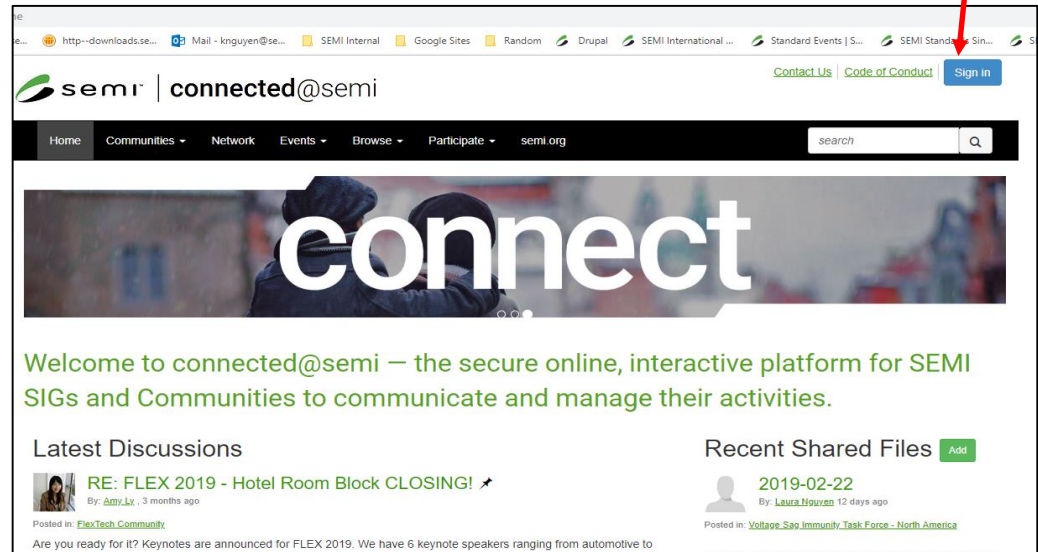
SEMI Standards Publications

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

connected@SEMI

- 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
- Details
 - www.semi.org/standards → Committee Info → Collaboration Community

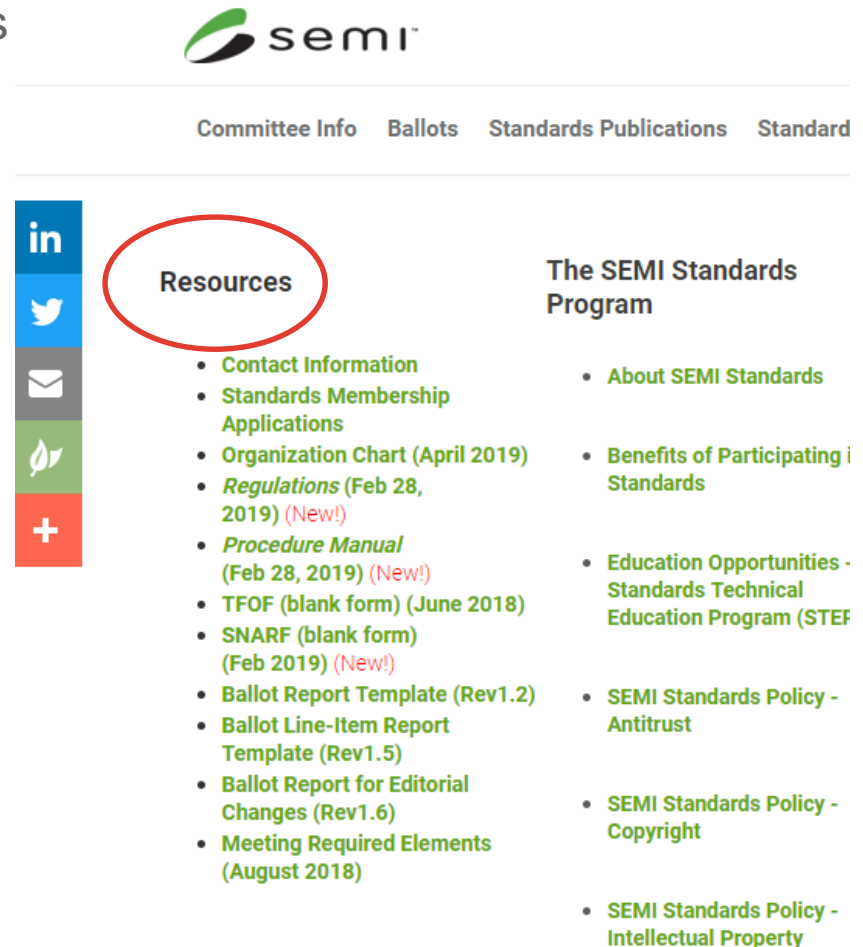


Collaboration Community

- [Connected@SEMI](#)
The secure online, interactive platform for Committee and Task Force Communities
- [Instructions for Program Member](#)
Detailed instructions on how to log in and post discussion.
- [Instructions for TF Leader/Community Admin](#)
Detailed instructions on how to add member, upload minutes, and other tasks.

New Forms, Regulations, and Procedure Manual

- *Regulations* (Feb 28, 2019)
 - Latest version clarifies procedures trademarks
- *Procedure Manual* (Feb 28, 2019)
- SNARF (Feb 2019)
- www.semi.org/standards
 - Under **Resources**



The screenshot shows the SEMI Standards Program website. The SEMI logo is at the top left. Navigation links include Committee Info, Ballots, Standards Publications, and Standard. A vertical sidebar on the left contains social media icons (LinkedIn, Twitter, Email, RSS) and a plus sign. The main content area is titled 'Resources' (circled in red) and lists various documents. To the right, under 'The SEMI Standards Program', are links to standards information, benefits, education opportunities, and policies.

Resources

- Contact Information
- Standards Membership Applications
- Organization Chart (April 2019)
- *Regulations* (Feb 28, 2019) (New!)
- *Procedure Manual* (Feb 28, 2019) (New!)
- TFOF (blank form) (June 2018)
- SNARF (blank form) (Feb 2019) (New!)
- Ballot Report Template (Rev1.2)
- Ballot Line-Item Report Template (Rev1.5)
- Ballot Report for Editorial Changes (Rev1.6)
- Meeting Required Elements (August 2018)

The SEMI Standards Program

- About SEMI Standards
- Benefits of Participating i Standards
- Education Opportunities - Standards Technical Education Program (STEF)
- SEMI Standards Policy - Antitrust
- SEMI Standards Policy - Copyright
- SEMI Standards Policy - Intellectual Property

Style Manual Update



[Committee Info](#) [Ballots](#) [Standards Publications](#) [Standards Calendar](#) [Standards Watch](#) [SEMIViews](#)

General Publication Information

Complementary Files & Various Materials

- [Complementary Files](#)
- [Supplementary Materials: Various Materials](#)

[New and Revised Standards](#)

Contains the current publication cycle list of New and Revised Standards.

[SEMI Standards Update Notification:](#)

Sign up to receive notifications of newly published Standards.

[SEMI Standards Copyright Policy and License Agreement](#)

Document Authoring Tools

- [SEMI International Standards: Compilation of Terms](#)
The SEMI International Standards Compilation of Terms contains all abbreviations, acronyms, definitions, and symbols published within SEMI Standards and Safety Guidelines.
- [SEMI Standards Style Manual Version 6 \(New!\)](#)
The Style Manual establishes the preferred format and style for all SEMI Standards and Safety Guidelines.
- [SEMI Standards Document Templates](#)
Templates are available to help write Documents in accordance with the SEMI Standards Style Manual.

– Under Document Authoring Tools

Nonconforming Titles (See PM Appendix 4)

- None

Five-Year Review

3D-IC Volume

Designation #	Standard Title	Action By	Assigned to
SEMI 3D8-0514	Guide for Describing Silicon Wafers for Use as 300 mm Carrier Wafers in a 3DS-IC Temporary Bond-Debond (TBDB) Process	Spring 2019	
SEMI 3D10-0814	Guide to Describing Materials Properties for Intermediate Wafers for Use in a 300 mm 3DS-IC Wafer Stack	Summer 2019	
SEMI 3D9-0914	Guide for Describing Materials Properties for a 300 mm 3DS-IC Wafer Stack	Fall 2019	
SEMI 3D11-1214	Terminology for Through Glass Via and Blind Via in Glass Geometrical Metrology	Fall 2019	

** Nonconforming title needs to be addressed in addition to Five-Year review*

Five-Year Review

Packaging Volume [1/2]

Designation #	Standard Title	Action By	Assigned to
SEMI G43-87 (Reapproved 0811)	Test Method for Junction-to-Case Thermal Resistance Measurements of Molded Plastic Packages		
SEMI G55-93 (Reapproved 0811)	Test Method for Measurement of Silver Plating Brightness		
SEMI G29-1296E (Reapproved 0811)	Test Method for Trace Contaminants in Molding Compounds		
SEMI G63-95 (Reapproved 0811)	Test Method for Measurement of Die Shear Strength		
SEMI G11-88 (Reapproved 0811)	Recommended Practice for RAM Follower Gel Time and Spiral Flow of Thermal Setting Molding Compounds		

Five-Year Review

Packaging Volume [2/2]

Designation #	Standard Title	Action By	Assigned to
SEMI G73-0997 (Reapproved 0811)	Test Method for Pull Strength for Wire Bonding		
SEMI G83-0912	Specification for Bar Code Marking of Product Packages		
SEMI G74-0699 (Reapproved 0215)	Specification for Tape Frame for 300 mm Wafers		
SEMI G77-0699 (Reapproved 0215)	Specification for Frame Cassette for 300 mm Wafers		
SEMI G87-1108 (Reapproved 0215)	Specification for Plastic Tape Frame for 300 mm Wafer		

SNARF 3 year status

TC Chapter may grant a one-year extension

- None

Thank you