



Traceability NA TC Chapter Meeting Summary and Minutes

Wednesday, April 5, 2023
4:00-7:00 PM Pacific Time
SEMI HQ, Milpitas

TC Chapter Announcements

Next TC Chapter Meeting

Wednesday, July 19, 2023

4:00-6:00 PM Pacific

Online via Web Conference

Table 1 Meeting Attendees

Italics indicate virtual participants

Co-Chairs: Yaw Obeng (NIST), Dave Huntley (PDF Solutions)

SEMI Staff: Michelle Sun

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
Bosch	<i>Thuernicht</i>	<i>Carsten</i>	SCREEN	<i>Nishimura</i>	<i>Takayuki</i>
Globalfoundries	<i>Hanan</i>	<i>Jeff</i>	SEMI	Sun	Michelle
Hitachi	<i>Toyoshima</i>	<i>Yuko</i>	Semitronix	<i>Tan</i>	<i>Christine</i>
Lam Research	<i>Arredondo</i>	<i>Manuel</i>	Sony Group Corporation	<i>Hanakura</i>	<i>Yuuri</i>
Murata Machinery	<i>Tominaga</i>	<i>Tadamasa</i>	SUNY Poly	<i>Eisenbraun</i>	<i>Eric</i>
NIST	<i>Obeng</i>	<i>Yaw</i>	TEL	<i>Akimoto</i>	<i>Toshikazu</i>
PDF Solutions	<i>Huntley</i>	<i>Dave</i>	Tokyo Electron Ltd.	Mashiro	Supika
PEER Group Inc.	<i>Fuchigami</i>	<i>Albert</i>	X-FAB Sarawak Sdn. Bhd	<i>Liew</i>	<i>Emily</i>
Samsung	Park	Jae Yong	SCREEN	<i>Nishimura</i>	<i>Takayuki</i>

Table 2 Leadership Changes

<i>WG/TF/SC/TC Name</i>	<i>Previous Leader</i>	<i>New Leader</i>
EMT Task Force	Jeff Hanan (GlobalFoundries) [<i>stepped down</i>]	
EMT Task Force	Eric Bruce (Samsung) [<i>stepped down</i>]	

Table 3 Committee Structure Changes

<i>Previous WG/TF/SC Name</i>	<i>New WG/TF/SC Name or Status Change</i>
None	

Table 4 Ballot Results

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
None		



#1 **Passed** ballots and line items will be submitted to the ISC Audit & Review Subcommittee for procedural review.

#2 **Failed** ballots and line items were returned to the originating task forces for re-work and re-balloting or abandoning.

Table 5 Activities Approved by the GCS between meetings of the TC Chapter

#	Type	SC/TF/WG	Details
None			

Table 6 Authorized Activities

Listing of all revised or new SNARF(s) approved by the Originating TC Chapter.

#	Type	SC/TF/WG	Details
None			

#1 SNARFs and TFOFs are available for review on the SEMI Web site at:

<http://downloads.semi.org/web/wstdsbal.nsf/TFOFSNARF>

Table 7 Authorized Ballots

#	When	TF	Details
None			

Table 8 SNARF(s) Granted a One-Year Extension

#	TF	Title	Expiration Date
None			

Table 9 SNARF(s) Abolished

#	TF	Title
None		

Table 10 Standard(s) to receive Inactive Status

Standard Designation	Title
None	

Table 11 New Action Items

Item #	Assigned to	Details
None		

Table 12 Previous Meeting Action Items

Item #	Assigned to	Details
None		



1 Welcome, Reminders, and Introductions

Yaw Obeng (NIST) called the meeting to order at 4:13. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.

Attachment: Required Meeting Elements Nov 2022

2 Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

Motion: Approve the minutes as written
By / 2nd: By: Albert Fuchigami / PEER Group Inc.
Second: Dave Huntley / PDF Solutions
Discussion: None
Vote: 7-Y 0-N

Attachment: Trace-TC-Chapter-Minutes-Nov-2022

3 Liaison Reports

3.1 Traceability Japan TC Chapter

Michelle Sun (SEMI) reported for the Traceability Japan TC Chapter. Of note:

- Last meeting
 - December 15, 2022
 - SEMICON Japan, Tokyo, Japan
 - OVTCCM / Tokyo Big Sight (Hybrid)
- Next meeting
 - December 14, 2023
 - SEMICON Japan, Tokyo, Japan
 - OVTCCM / Tokyo Big Sight (Hybrid) *Tentative
- Ballot Results
 - 6935, Reapproval of SEMI T19-0311 (Reapproved 0717): Specification for Device Marking **[Passed]**

Attachment: JA_Trace_Liaison_20230328_R1

3.2 SEMI Staff Report

Michelle Sun (SEMI) gave the SEMI Staff Report. Of note:

SEMI Global 2023 Calendar of Events

- SEMICON Southeast Asia
 - May 23-25
 - Penang, Malaysia
- SEMICON China
 - June 29 – July 1
 - Shanghai, China

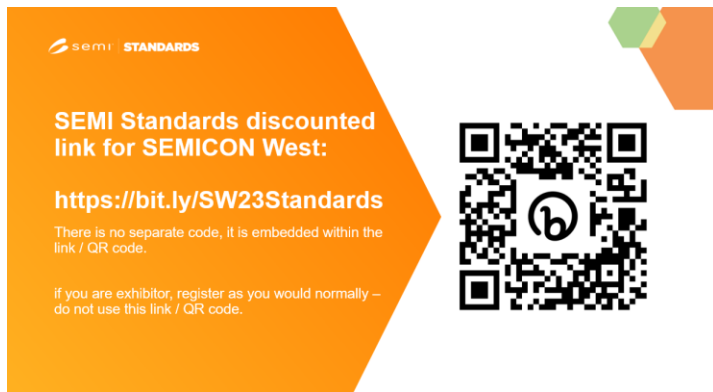
- SEMICON West
 - o July 11-13
 - o San Francisco, CA
- SEMICON Taiwan
 - o Sep 6-8
 - o Taipei, Taiwan

Upcoming NA Meetings

- SEMICON West
 - o July 10-13, 2023
 - o Moscone Center, San Francisco
 - o California/USA
- NA Standards Fall Meetings
 - o Nov 6-9, 2023 [Tentative]
 - o SEMI HQ, Milpitas, California/USA

SEMI Standards discounted link for SEMICON West:

<https://bit.ly/SW23Standards>



The graphic features an orange arrow pointing right. Inside the arrow, the text reads: "SEMI Standards discounted link for SEMICON West: https://bit.ly/SW23Standards". Below this, it states: "There is no separate code, it is embedded within the link / QR code." and "If you are exhibitor, register as you would normally – do not use this link / QR code." To the right of the arrow is a QR code with a 'b' logo in the center, and a small graphic of three overlapping triangles (green, yellow, orange) above it.

There is no separate code, it is embedded within the link / QR code.

If you are an exhibitor, register as you would normally – do not use this link / QR code.

Critical Dates for SEMI Standards Ballots

2023	Ballot Submission Deadline	Voting Opens	Voting Closes
Cycle 3	March 8	March 22	April 21
Cycle 4	April 19	May 3	June 2
Cycle 5	May 17	May 31	June 30
Cycle 6	July 26	August 9	September 8
Cycle 7	August 30	September 13	October 13
Cycle 8	October 4	October 18	November 17
Cycle 9	November 15	November 29	December 29

Regulations and Procedure Manual Updates



- Regulations (Feb 28, 2023)
 - Provide publication conditions for both Letter Ballot Review to pass procedural review and its Ratification Ballot is accepted.
 - If the Letter Ballot Review fails procedural review, the acceptance for the Ratification Ballot shall be nullified.
 - <https://www.semi.org/sites/semi.org/files/2023-02/Standards%20Regulations%20February%2028%2C%202023.pdf>
- Procedure Manual (Feb 28, 2023)
 - Clarification on Line-Item Ballots are only permitted on revisions to already published identified portions of Standards or Safety Guidelines.
 - Revision of any Subordinate Standard causes the Publication Date Code of the Primary Standard to be considered as reapproved and it shall be given the (Reapproved mmyy) designation.
 - Contents of Background Statement Required for Revision of Subordinate/Primary Standard Letter Ballots.
 - <https://www.semi.org/sites/semi.org/files/2023-02/Procedure%20Manual%20February%2028%2C%202023.pdf>

SEMI University

- Launched in early February 2023
- More than 360 on-demand courses created specifically for the semiconductor industry.
- Courses covering front-end and back-end manufacturing operations, principles of chip design, workplace safety, technology trends and more.
- Most of the coursework is in English, with only a few classes offered in Chinese and Japanese. Adding more content in multiple languages is a priority post-launch.
- More info at www.semi.org/en/semi-university

SEMI Standards Publications

- Total SEMI Standards in portfolio: 1,069
- Includes 320 Inactive Standards

Cycle	New	Revised	Reapproved	Withdrawn
July 2022	0	3	0	0
August 2022	0	5	0	2
September 2022	2	3	6	1
October 2022	3	8	0	0

Cycle	Designation	Title	Committee	Region
September 2022	SEMI F120	Test Method for the Electrochemical Critical Pitting Voltage Testing of Stainless Steel Used in Corrosive Gas Systems	Gases	NA
September 2022	SEMI E120.2	Specification for Protocol Buffers for Common Equipment Model (CEM)	Information & Control	NA
October 2022	SEMI E125.2	Specification for Protocol Buffers for Equipment Self Description (EqSD)	Information & Control	NA



October 2022	SEMI E134.2	Specification for Protocol Buffers of Data Collection Management	Information & Control	NA
October 2022	SEMI E142.4	Specification for SECS II Protocol for Substrate Mapping Using Item Transfer	Information & Control	NA

Publications Backlog

Processing Queue: 37

YTD Published: 93

- 5/5/2022 A&R cycle: 8
- 6/30/2022 A&R cycle: 11
- 8/18/2022 A&R cycle: 9
- 10/12/2022 A&R cycle: 9
- New Standards: 11
- Revisions: 43
- Reapprovals: 36
- Withdrawals: 3

Contributing Factors

- Increased A&R cycles have resulted in a constant rate of documents for processing.
- Ballots are becoming more complex and require more time to process.
- As the Regulations, Procedure Manual, and Style Manual are updated, there is the potential for delays in processing documents (e.g., ensuring documents comply).

5-Year Review

Display Name	Description	Date Available	Disposition
SEMI T18-1106 (Reapproved 0718)	Specification of Parts and Components Traceability	7/27/2018	Reapprove
SEMI T17-0706 (Reapproved 0718)	Specification of Substrate Traceability	7/27/2018	Reapprove
SEMI T10-0701 (Reapproved 0618)	Test Method for the Assessment of 2D Data Matrix Direct Mark Quality	6/21/2018	Reapprove

Attachment: Staff Report March 2023 v1

4 Next Meeting and Adjournment

The next meeting is scheduled for July 19, 2023, from 4:00-6:00 PM Pacific via Online Conference. See <http://www.semi.org/standards-events> for the current list of events.

Adjournment: 5:04.

Respectfully submitted by:

Michelle Sun
 Coordinator
 SEMI North America
 Phone: 408.943.7982
 Email: msun@semi.org

Minutes tentatively approved by:

Dave Huntley (PDF Solutions), Co-chair	6/14/2023
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Yaw Obeng (NIST), Co-chair	6/14/2023
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Table 13 Index of Available Attachments^{#1}

<i>Title</i>	<i>Title</i>
Required Meeting Elements Nov 2022	JA_Trace_Liaison_20230328_R1
Trace-TC-Chapter-Minutes-Nov-2022	Staff Report March 2023 v1

#1 Due to file size and delivery issues, attachments must be downloaded separately. A .zip file containing all attachments for these minutes is available at www.semi.org. For additional information or to obtain individual attachments, please contact [SEMI Staff Name] at the contact information above.