



# Metrics NA TC Chapter Meeting Summary and Minutes

NA Summer Meetings  
3:00-5:00 PM Pacific  
Thursday, June 5, 2025  
Milpitas, CA

## TC Chapter Announcements

*Next TC Chapter Meeting*

SEMICON West

Thursday, October 9, 2025

1:00-3:00 PM Pacific

## Table 1 Meeting Attendees

*Italics indicate virtual participants*

**Co-Chairs:** David Bouldin (Fab Consulting), Vladimir Kraz (OnFilter), Mark Frankfurth (Cymer)

**SEMI Staff:** Michelle Sun

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
BIRD ELECTRONIC CORP	<i>Dummermuth</i>	<i>Martin</i>	SCREEN Semiconductor Solutions Co., Ltd.	<i>Nishimura</i>	<i>Takayuki</i>
Intel Corporation	<i>Schneider</i>	<i>Paul</i>	SEMI	Sun	Michelle
Jeanne Cickay	<i>Cickay</i>	<i>Jeanne</i>	Tokyo Electron Limited	<i>Hama</i>	<i>Naoya</i>
KLA Corporation	<i>Ganev</i>	<i>Todor</i>	Teilch	Godoy	Pedro
Persys Engineering	Vanek	Yitzhak			

## Table 2 Leadership Changes

<i>WG/TF/SC/TC Name</i>	<i>Previous Leader</i>	<i>New Leader</i>
None		

## Table 3 TC Chapter 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 Ratification Ballot Results**

<i>Document #</i>	<i>Document Title</i>	<i>ISC A&amp;R Action</i>	<i>A&amp;R Forms</i>
R7130C	New Standard: Test Method Using Adhesive Replacement Substrates to Assess Particulate Surface Contamination of Critical Chamber Components	Passed	

Note 1: **Passed** Ratification ballots will be submitted to SEMI publication for final processing.

Note 2: **Failed** Ratification ballots were returned to the originating task forces for re-work and re-balloting or abandoning.

**Table 6 Activities Approved by the GCS between meetings of the TC Chapter**

<i>#</i>	<i>Type</i>	<i>SC/TF/WG</i>	<i>Details</i>
None			

**Table 7 Authorized Activities**

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

<i>#</i>	<i>Type</i>	<i>SC/TF/WG</i>	<i>Details</i>
TBD	Auxiliary Document	CCC TF	New Auxiliary Document: A Guide to Contamination Control for Parts and Critical Chamber Components

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

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

**Table 8 Authorized Ballots**

<i>#</i>	<i>When</i>	<i>TF</i>	<i>Details</i>
7167	Cycles 7, 8, 9-2025	CCC TF	New Standard: Test Method for Measuring and Characterizing Surface Particle Contamination on Critical Chamber Components with Airborne Particle Counter and Dry Aerosolizing Chamber

**Table 9 SNARF(s) Granted a One-Year Extension**

<i>#</i>	<i>TF</i>	<i>Title</i>	<i>Expiration Date</i>
None			

**Table 10 SNARF(s) Cancelled**

<i>#</i>	<i>TF</i>	<i>Title</i>
None		

**Table 11 Standard(s) to receive Inactive Status**

<i>Standard Designation</i>	<i>Title</i>
None	

**Table 12 New Action Items**

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
1	David Bouldin	Reach out to Chuck regarding next steps for ESD Task Force

**Table 13 Previous Meeting Action Items**

Item #	Assigned to	Details
None		

## 1 Welcome, Reminders, and Introductions

David Bouldin (Fab Consulting) called the meeting to order at 3:05. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.

**Attachment:** Required Meeting Elements March 2024

## 2 Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

**Motion:** Approve the minutes as written  
**By / 2<sup>nd</sup>:** By: Todor Ganev / KLA Corporation  
 Second: Takayuki Nishimura / SCREEN  
**Discussion:** None  
**Vote:** 7-Y 0-N

**Attachment:** Metrics-Minutes-Feb-2025

## 3 Liaison Reports

### 3.1 Metrics Japan TC Chapter

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

- Meeting Information
  - o Last meeting
    - Wednesday, December 11, 2024, in conjunction with SEMICON Japan 2024
    - Tokyo Big Sight, Tokyo, Japan/ OVTCCM (Hybrid)
  - o Next meeting
    - July 2025
- Organization Chart
  - o Int'l Environmental Contamination Control TF
    - Disbanded by GCS approval

**Attachment:** 20250213\_MetricsJapan\_Liaison\_Report\_R0.1

### 3.2 SEMI Staff Report

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

2025 Calendar of Events



Event Name	Event Details
<b>SEMICON® INDIA</b>	Sept 1-3 New Delhi
<b>SEMICON® TAIWAN</b>	Sept 10-12 Taipei
<b>SEMICON® WEST</b>	Oct 7-9 Phoenix, Arizona
<b>SEMICON® EUROPA</b>	Nov 18-21 Munich, Germany
<b>SEMICON® JAPAN</b>	Dec 17-19 Tokyo, Japan

SEMICON West

- 2025—October 7-9 | Phoenix Convention Center | Phoenix, AZ
- 2026—October 13-15 | Moscone Center | San Francisco, CA
- 2027—October 12-14 | Phoenix Convention Center | Phoenix, AZ
- 2028—October 10-12 | Moscone Center | San Francisco, CA
- 2029—October 9-11 | Phoenix Convention Center | Phoenix, AZ
- 2030—October 29-31 | Moscone Center | San Francisco, CA

SEMICON West 2025

- **Phoenix Convention Center**
  - 100 North Third Street, PHOENIX, AZ 85004
- **Standards meetings location**
  - North Hall
  - 2<sup>nd</sup> level

Upcoming NA Meetings 2025 & 2026

Event Name	Date/Venue	Ballot Cycles to Consider (refer to next slides for details)
SEMICON West	Oct 6-9, 2025 Phoenix Convention Center Phoenix, Arizona/USA	Cycle 6-2025 <ul style="list-style-type: none"> <li>• Ballot Submission Date: Thursday, June 19, 2025</li> <li>• Voting Period Starts: Wednesday, July 9, 2025</li> <li>• Voting Period Ends: Friday, August 8, 2025</li> </ul> Cycle 7-2025 <ul style="list-style-type: none"> <li>• Ballot Submission Date: Thursday, July 24, 2025</li> <li>• Voting Period Starts: Wednesday, August 13, 2025</li> <li>• Voting Period Ends: Friday, September 12, 2025</li> </ul>
NA Winter Meeting	Feb 23-26, 2026 (tentative) SEMI HQ, Milpitas, California/USA	Cycle 9, 2025 <ul style="list-style-type: none"> <li>• Ballot Submission Date: Wednesday, October 14, 2025</li> <li>• Voting Period Starts: Tuesday, October 29, 2025</li> <li>• Voting Period Ends: Thursday, November 28, 2025</li> </ul> Cycle 1, 2026 <ul style="list-style-type: none"> <li>• Ballot Submission Date: Tuesday, December 16, 2025</li> <li>• Voting Period Starts: Wednesday, January 7, 2026</li> <li>• Voting Period Ends: Friday, February 6, 2026</li> </ul>

Critical Dates for SEMI Standards Ballots



2025	Ballot Submission Deadline	Voting Opens	Voting Closes
Cycle 5	May 8	May 28	June 27
Cycle 6	June 19	July 9	August 8
Cycle 7	July 24	August 13	September 12
Cycle 8	September 3	September 24	October 24
Cycle 9 (Current)	<del>October 1</del>	<del>October 21</del>	<del>November 20</del>
Cycle 9 (Revised)	October 14	October 29	November 28

Critical Dates for SEMI Standards Ballots 2026 (Tentative)

## Critical Dates for SEMI Standards Ballots 2026 (Tentative)



2026	Ballot Submission Deadline	Voting Opens	Voting Closes
Cycle 1	December 16, 2025	January 7	February 6
Cycle 2	January 23	February 11	March 13
Cycle 3	March 5	March 18	April 17
Cycle 4	March 30	April 14	May 14
Cycle 5	May 8	May 27	June 26
...	...	...	...

SEMI Standards Publications

- Total SEMI Standards in portfolio: **1,101**
  - Includes 356 Inactive Standards

Cycle	New	Revised	Reapproved	Withdrawn
February 2025	1	9	0	0
March 2025	2	11	6	0
April 2025	1	2	2	0



• New Standards

Cycle	Designation	Title	Committee	Region
February 2025	SEMI F122	Guide for Facilities Data Package for Manufacturing Equipment Installation and Building Information Modeling	Facilities	NA
March 2025	SEMI D88	Specification for Electrostatic Properties of FPD Photomasks and Blanks Package	FPD - Materials & Components	JA
March 2025	SEMI MS15	Guide to MEMS Manufacturing Readiness Levels	MEMS/NEMS	NA
April 2025	SEMI E193	Specification for 300 mm Film Frame FOUP (FFF)	Physical Interfaces & Carriers	NA

Style Manual/Formatting Reminders

- Style Manual
  - Revision 10 (draft proposal) being reviewed with the Regs SC.
  - Mid-End June estimated publishing timeframe.
- Formatting Reminders
  - Referenced Standards and Documents section: Refer to Procedure Manual A3-5 for content requirements.
  - Terminology section: Refer to Procedure Manual A3-6 through A3-9 for content requirements.
- Regulations (Feb 20, 2024)
  - <https://www.semi.org/sites/semi.org/files/2024-02/Standards%20Regulations%20February%2020%202024.pdf>
- Procedure Manual (Sept 27, 2025)
  - <https://www.semi.org/sites/semi.org/files/2024-09/Procedure%20Manual%20September%2027%2C%202024.pdf>

**Attachment:** Staff Report June 2025 v4

**4 Subcommittee and Task Force Reports**

4.1 *RF Measurement Task Force*

Martin Dummermuth (Bird) reported for the RF Measurement Task Force. Of note:

- The task force intends to resume activity in the summer.

**5 Next Meeting and Adjournment**

The next meeting is scheduled for Thursday, October 9, 2025 from 1:00-3:00 PM Mountain Time at SEMICON West. See <http://www.semi.org/standards-events> for the current list of events.

Adjournment: 3:55.

Respectfully submitted by:

Michelle Sun

Coordinator

SEMI North America



Phone: 408.943.7982

Email: msun@semi.org

Minutes tentatively approved by:

<Name> (<Company>), Co-chair	<Date approved>
<Name> (<Company>), Co-chair	<Date approved>

**Table 14 Index of Available Attachments#1**

<i>Title</i>	<i>Title</i>
Required Meeting Elements March 2024	Staff Report June 2025 v4
Metrics-Minutes-Feb-2025	AR - R7130C
20250213_MetricsJapan_Liaison_Report_R0.1	

#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](http://www.semi.org). For additional information or to obtain individual attachments, please contact [SEMI Staff Name] at the contact information above.