



Automated Test Equipment (ATE) North America Chapter

Meeting Summary and Minutes

Tuesday, May 4, 2021
8:00AM–10:00AM (Pacific Time)
OVTCCM

TC Chapter Announcements

Next TC Chapter Meeting

June 15, 2021

8:00AM–10:00AM Pacific Time

Table 1 Meeting Attendees

Italics indicate virtual participants

Co-Chairs: Mark Roos (Roos Instruments), Stacy Ajouri (Texas Instruments), Laurent Bonneval (Teradyne)

SEMI Staff: Michelle Sun

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
<i>Advantest</i>	<i>van Eyck</i>	<i>Jan</i>	<i>SEMI</i>	<i>Sun</i>	<i>Michelle</i>
<i>Micron</i>	<i>Cicero</i>	<i>Jason</i>	<i>Teradyne</i>	<i>Bonneval</i>	<i>Laurent</i>
<i>PEER Group</i>	<i>Fuchigami</i>	<i>Albert</i>	<i>Texas Instruments</i>	<i>Ajouri</i>	<i>Stacy</i>
<i>Roos Instruments</i>	<i>Roos</i>	<i>Mark</i>	<i>Tokyo Electron</i>	<i>Morita</i>	<i>Shingo</i>

Table 2 Leadership Changes

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

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>
6581A	New Subordinate Standard: Specification for HTTP JSON Protocol Implementation for the Automated Test Equipment Tester Event Messaging for Semiconductors (TEMS)	Passed

#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

<i>#</i>	<i>Type</i>	<i>SC/TF/WG</i>	<i>Details</i>
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/wstsdbsal.nsf/TFOFSNARE>

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
1	Michelle, Laurent	To move Standards content for TEMS TF from Teradyne Box to connect.semi.org community - OPEN (some members cannot access Teradyne Box from work computers)
2	Stacy, Mark	To follow up on industry case studies project and report the status update at next ATE TC meeting - OPEN

1 Welcome, Reminders, and Introductions

Laurent Bonneval (Teradyne) called the meeting to order at 8:06. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.

Attachment: SEMI Standards Required Meetings Elements



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: Mark Roos / Roos Instruments
- Discussion:** None.
- Vote:** 5-0 in favor. Motion passed.
- Attachment:** TCMinutes_ATE_Nov2020

3 Liaison Reports

3.1 SEMI Staff Report

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

SEMI Global Calendar of Events

- SEMICON China (March 17-19, 2021; Shanghai, China)
- SEMICON Southeast Asia (May 18-20, 2021; Penang, Malaysia)
- SEMICON Taiwan (Sept 8-10, 2021; Taipei, Taiwan)
- SEMICON West (December 7-9, 2021; [Hybrid] San Francisco, CA)

Critical Dates for SEMI Standards Ballots

- Cycle 2-2021: Ballot Submission Due: Jan 29/Voting Period: Feb 10 – Mar 12
- Cycle 3-2021: Ballot Submission Due: Mar 9/Voting Period: Mar 23 – Apr 22
- Cycle 4-2021: Ballot Submission Due: Apr 14/Voting Period: Apr 28 – May 28
- Cycle 5-2021: Ballot Submission Due: May 18/Voting Period: June 1 – July 1
- Cycle 6-2021: Ballot Submission Due: Aug 3/Voting Period: Aug 17 – Sept 16
- Cycle 7-2021: Ballot Submission Due: Sept 1/Voting Period: Sept 15 – Oct 15
- Cycle 8-2021: Ballot Submission Due: Oct 8/Voting Period: Oct 22 – Nov 22
- Cycle 9-2021: Ballot Submission Due: Nov 16/Voting Period: Nov 30 – Dec 30

Critical Dates: <http://www.semi.org/en/Standards/Ballots>

Standards Publications Report

Total in portfolio – 1,029 (includes 274 Inactive Standards)

<i>Cycle</i>	<i>New</i>	<i>Revised</i>	<i>Reapproved</i>	<i>Withdrawn</i>
November 2020	1	2	0	0
December 2020	1	3	3	0
January 2020	0	1	6	0

New Standards

<i>Cycle</i>	<i>Designation</i>	<i>Title</i>	<i>Committee</i>	<i>Region</i>
November 2020	SEMI C100	Guide for Reporting Chemical Mechanical Planarization (CMP) Polishing Pads Hardness Used in Semiconductor Manufacturing	Liquid Chemicals	NA
December	SEMI PV97	Specification for Silicon Powder Used in Polysilicon Production	Photovoltaic	CH

Inactive Standards

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
Information & Control	37
Liquid Chemicals	26
MEMS	3
Metrics	12
Micropatterning	30
Photovoltaic	1
Physical Interfaces & Carriers	19
Silicon Wafer	11
Traceability	8

Regulations & Procedure Manual

- Regulations ((November 5, 2020)
 - Clarification on § 6.5, Disbandment of a TC Chapter
 - Requires an RSC to disband a TC Chapter when it is shown to be inactive by failing to:
 - hold meetings for two consecutive years,
 - report activity to its RSC for two consecutive years, or
 - initiate new Standards Documents activities.
 - Procedure Manual (November 5, 2020)
 - New § 6.1.3.4.1 defining detailed procedures for disbandment of inactive TC Chapters.

Official Virtual TC Chapter Meeting Rooms *{See attachment for additional slides}*

- All Chapters of the PIC GTC have completed the simulation training of an Official Virtual TC Chapter Meeting (OVTCCM).
- Nonconforming Titles (See PM Appendix 4) *{None}*
- SNARF 3 Year Status, TC Chapter may grant a one-year extension *{None}*
- Five-Year Review *{None}*

Attachment: Staff Report Feb 2021_v3

4 Ballot Review

4.1 Document 6581A, New Subordinate Standard: Specification for HTTP JSON Protocol Implementation for the Automated Test Equipment Tester Event Messaging for Semiconductors (TEMS)

This Document passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review. See attachment for details.

Attachment: 6581A Ballot Report



5 Subcommittee and Task Force Reports

5.1 RITdb Task Force

The RITdb Task Force has completed Document 6518: New Standard: Specification for Rich Interactive Test Database (RITdb). The Document is currently out for voting.

6 Old Business

6.1 Previous Action Items

Previous action items are noted in Table 12 in 'red' and for recent updates in 'blue'. There is no further old business.

7 New Business

None.

8 Next Meeting and Adjournment

The next meeting is scheduled for June 15, 2021, from 8:00-10:00 AM Pacific Time. It will take place online via OVTCCM. See <http://www.semi.org/standards-events> for the current list of events.

Adjournment: 8:49 AM

Respectfully submitted by:

Michelle Sun

Coordinator, International Standards

SEMI Global Headquarters

Phone: +1.408.943.7982

Email: msun@semi.org

Minutes tentatively approved by:

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Table 13 Index of Available Attachments^{#1}

<i>Title</i>	<i>Title</i>
Required Element Nov 2020 Rev1	Staff Report Feb 2021_v3
TCMinutes_ATE_Nov2020	6581A Ballot Report

^{#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.