



Liquid Chemicals Global Technical Committee Japan TC Chapter

Meeting Summary and Minutes

Japan Spring Meetings 2023
 Friday May 26, 2023, 15:00 -17:00(JST)
 SEMI Japan office via OVTCCM (Hybrid)

TC Chapter Announcements

Next TC Chapter Meeting

Friday December 8, 2023, 15:00-17:00[JST]

SEMI Japan office Room2, Tokyo, Japan + OVTCCM (Hybrid)

Table 1 Meeting Attendees

Italics indicate virtual participants

Co-Chairs: Yoshiyuki Fujitani (SCREEN Semiconductor Solutions), Takuya Nagafuchi (Nihon Entegris)

SEMI Staff: Mami Nakajo, Nobuko Okayasu

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
SCREEN Semiconductor Solutions	<i>Fujitani</i>	<i>Yoshiyuki</i>	Organo	Futatsuki	Takashi
Advance Electric	Sasao	Kimihito	Nihon Entegris	Nagafuchi	Takuya
RION	Shimmura	Masaki	Pall	<i>Nakagawa</i>	<i>Hisashi</i>
Organo	Sugawara	Hiroshi	Particle Measuring Systems	Takeshita	Mitsuyoshi
AIST-National Institute of Advanced Industrial and Technology	Kato	Haruhisa	Nippon Pillar Packing	Koike	Tomoyuki
Shin-Etsu Polymer	Odashima	Satoshi	SEMI Japan	Nakajo	Mami
<i>Micron</i>	<i>Goh</i>	<i>Boon</i>	SEMI Japan	Okayasu	Nobuko
RION	Kondo	Kaoru			

Table 2 Leadership Changes

<i>WG/TF/SC/TC Name</i>	<i>Previous Leader</i>	<i>New Leader</i>
Liquid-Borne Particle Counter TF	Kaoru Kondo (RION)	Masaki Shimmura (RION)
Liquid-Borne Particle Counter TF	Kazutoshi Kato (Particle Measuring Systems)	Mitsuyoshi Takeshita (Particle Measuring Systems)

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>
6820A	New Standard: Guide for Trace Iron Analysis in High Purity 2-Propanol (IPA)	Passed with editorial change



Table 4 Ballot Results

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
6979	Revision to C77-0912, TEST METHOD FOR DETERMINING THE COUNTING EFFICIENCY OF LIQUID-BORNE PARTICLE COUNTERS FOR WHICH THE MINIMUM DETECTABLE PARTICLE SIZE IS BETWEEN 30 nm AND 100 nm with title change to TEST METHOD FOR DETERMINING THE COUNTING EFFICIENCY OF LIQUID-BORNE PARTICLE COUNTERS FOR WHICH THE MINIMUM DETECTABLE PARTICLE SIZE IS BETWEEN 20 nm AND 100 nm	Failed and returned to TF for rework and rebalot

#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&R Action</i>	<i>A&R Forms</i>
None			

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>
None			

#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>
None			

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) Abolished

<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>
20230526-1	SEMI Staff	To confirm and share the details of ballots that were failed in the last NA Liquid TC Meeting held on April 5, 2023.
20230526-2	Liquid Filter TF	To proceed to review contents of SNARF, Revision of SEMI C89 with UPW TF by next JA Liquid TC Meeting.
20230526-3	Kimihito Sasao (Welding Fitting TF Leader)	To prepare a TFOF by the next TC meeting.
20230526-4	SEMI Staff	To send the ballot review sheet of 6820A to the A&R
20230526-5	SEMI Staff	To ask SEMI NA Staff to review SEMI F31-0113 on the 5-year review list, as its Initiating Region is Japan, but not in charge of Japan.
20230526-6	Co-chairs	To nominate Kazutoshi Kato for the SEMI Honor Award in the fall of 2023

Table 13 Previous Meeting Action Items

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
221208-01	SEMI staff	As for Diaphragm Valve TF and Welding Fitting TF, SEMI staff will confirm the necessity of the existence of these TFs to consider whether to disband or not.> Done

1 Welcome, Reminders, and Introductions

Takuya Nagafuchi (Nihon Entegris) called the meeting to order at 15:00. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.

Attachment: 01-02_Required Element Nov 2022_E+J

2 Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

Motion: Approve the minutes as written with edited

By / 2nd: Kaoru Kondo (RION CO., LTD)/ Hiroshi SUGAWARA (Organo Corporation)

Discussion: None

Vote: 9 in favor and 0 opposed. **Motion Passed.**

Attachment: Mins_221208_Rev.1.1

3 Liaison Reports

3.1 Liquid Chemicals North America TC Chapter

-- Mami Nakajo (SEMI) reported for the NA TC Chapter. Of note:

Action Item: **20230526-01**(SEMI Staff): To confirm and share the details of ballots that were failed in the last NA Liquid TC Meeting held on April 5, 2023



Attachment: NA LChem Liaison Report Apr2023 v1,

3.2 SEMI Staff Report

-- Mami Nakajo (SEMI) gave the SEMI Staff Report. Of note:

Attachment: 4_Staff Report March 2023 v3,

4 Leadership Change

--MASAKI SHIMMURA (RION CO., LTD) requested to change the leadership of the TF.

Motion: Authorize the new TF leader of Liquid Borne particle Counter TF
By / 2nd: Masaki Shimmura (RION.)/ Mitsuyoshi Takeshita (Particle Measuring Systems, Inc.)
Discussion: None
Vote: 10 in favor and 0 opposed. **Motion Passed.**

5 Ballot Review

NOTE 1: TC Chapter adjudication on ballots reviewed is detailed in the Audits & Review (A&R) Subcommittee Forms for procedural review. The A&R forms are available as attachments to these minutes. The attachment number for each balloted document is provided under each ballot review section below.

5.1 Document # 6820A, New Standard: Guide for Trace Iron Analysis in High Purity 2-Propanol (IPA)

Motion: This is not a Safety Document, when all safety-related information is removed, the Document is still technically sound and complete. (Regulations ¶ 8.7.1)
By / 2nd: Hiroshi Sugawara (Organo Corporation) / Masaki Shimmura (RION.)
Discussion: None
Vote: 10 n favor and 0 opposed. **Motion Passed.**

Motion: This Document passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review.
By / 2nd: Hiroshi Sugawara (Organo Corporation) / Kaoru Kondo (RION CO., LTD)/
Discussion: None
Vote: 10 n favor and 0 opposed. **Motion Passed.**

Attachment: Ballot report 6820A_finalr1,

5.2 Document #6979, Revision to C77-0912, TEST METHOD FOR DETERMING THE COUNTING EFFICIENCY OF LIQUID-BORNE PARTICLE COUNTERS FOR WHICH THE MINIMUM DETECTABLE PARTICLE SIZE IS BETWEEN 30 nm AND 100 nm with title change to TEST METHOD FOR DETERMING THE COUNTING EFFICIENCY OF LIQUID-BORNE PARTICLE COUNTERS FOR WHICH THE MINIMUM DETECTABLE PARTICLE SIZE IS BETWEEN 20 nm AND 100 nm

Motion: This Document failed TC Chapter review and will be returned to the TF for rework.
By / 2nd: Masaki Shimmura (RION.)/ Mitsuyoshi Takeshita (Particle Measuring Systems, Inc.)
Discussion: None

Vote: 10 in favor and 0 opposed. **Motion Passed.**

Attachment: Ballot report 6979_finalr1,

6 Subcommittee and Task Force Reports

6.1 Liquid Filter TF

Hisashi Nakagawa (Pall) reported for the *Liquid Filter* Task Force.

After the 2 Week Review of the SNARF for Revision of SEMI C89 was sent out, the TF received a concern from UPW TF that it seems to be overlapping with C79 regarding the SNARF.

Therefore, this SNARF approval will be postponed after this matter is cleared.

Action Item: 20230526-2, Liquid Filter TF, To proceed to review contents of SNARF, Revision of SEMI C89 with UPW TF by next JA Liquid TC Meeting.

Attachment: LF-TF Meeting Minutes_20230303_publish

6.2 Liquid-Borne Particle Counter TF

-- Masaki Shimmura (RION.) reported for the Liquid-Borne Particle Counter Task Force that the leader of this group have been changed.

Please refer section 4.

Also he reported that Document#6979, Revision to C77-0912 was failed will be returned to the TF for rework.

Please refer section 5.2

6.3 Diaphragm Valve TF -

- Kimihito Sasao (Advance Electric) reported for the *Diaphragm Valve* Task Force.

He will request disband both Diaphragm Value TF and Welding Fitting TF and prepare a new TF by the next TC meeting.

Action Item: 20230526-3, Kimihito Sasao (Welding Fitting TF Leader) To prepare a TFOF by the next TC meeting.

6.4 Welding Fitting TF -

- Please refer 6.3.

6.5 Trace Metal Analysis for High Pure IPA TF

- Hiroshi Sugawara (Organo) reported for the Task Force. The TF review the document 6820A and prepared the Ballot Review Sheet.

Action Item: 20230526-4, SEMI Staff, To send the ballot review sheet of 6820A to the A&R

Attachment: IPA-TF Mail Meeting _20230524 (投票結果)

7 Old Business

7.1 5-year Review

7.1.1 SEMI F110-0712 (Reapproved 0618), Test Method for Mono-Dispersed Polystyrene Latex (PSL) Challenge of Liquid Filters



After finalizing revision of SEMI C89-0116, Liquid Filter TF will prepare draft considering revision same as C89 if TF agree to maintain this standard.

7.1.2 SEMI F31-0313, Guide for Bulk Chemical Distribution Systems

Action Item: 20230526-5, SEMI Staff, To ask SEMI NA Staff to review SEMI F31-0113 on the 5-year review list, as its Initiating Region is Japan, but not in charge of Japan.

7.1.3 SEMI C89-0116, Test Method for Particle Removal Performance of Liquid Filter Rated Below 30 nm with Inductively Coupled Plasma – Mass Spectroscopy (ICP-MS)

Action Item: 20230526-2, Liquid Filter TF, To proceed to review contents of SNARF, Revision of SEMI C89 with UPW TF by next JA Liquid TC Meeting.

7.1.4 SEMI C77-0818, Test Method for Determining the Counting Efficiency of Liquid-Borne Particle Counters for Which the Minimum Detectable Particle Size is Between 30 nm and 100 nm

Document#6979, Revision to C77-0912 was failed will be returned to the TF for rework.?

8 New Business

8.1 SEMI Japan Honor Award

Takuya Nagafuchi (Nihon Entegris) addressed the committee on this topic.

Action Item: 20230526-6, Co-chairs, To nominate Kazutoshi Kato for the SEMI Honor Award in the fall of 2023

Of note, the following members received 2022 Technical Committee Awards.

However due to time constraints, it couldn't be presented the following award winners during this meeting, so it will be awarded for the following members in next TC meeting.

- Hiroshi Sugawara Organo
 - For contributions of Document 6820, New Standard: Guide For Trace Iron Analysis in High Purity 2-Propanol (IPA) and promoting IPA-TF by utilizing knowledge.
- Hiroshi Tomita Kioxia
- Hiroyuki Araki SCREEN Semiconductor Solutions
 - For contributions of Document 6820, New Standard: Guide For Trace Iron Analysis in High Purity 2-Propanol (IPA) and initiating and leading IPA-TF with the cooperation of INE (Interfacial Nano Electronic Chemistry).

9 Next Meeting and Adjournment

The next meeting is scheduled for Friday December 8, 2023, 15:00-17:00[JST]

@ SEMI Japan office Room2, Tokyo, Japan + OVTCCM (Hybrid)

See <http://www.semi.org/standards-events> for the current list of events.

Adjournment: [17:00]>.



Respectfully submitted by:

Mami Nakajo

Standards & EHS

SEMI Japan

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Minutes tentatively approved by:

Yoshiyuki Fujitani (SCREEN Semiconductor Solutions), Co-chair	June 30,2023
Takuya Nagafuchi (Nihon Entegris), Co-chair	June 28, 2023

Table 14 Index of Available Attachments^{#1}

<i>Title</i>	<i>Title</i>
01-02_Required Element Nov 2022_E+J	Ballot report 6820A_finalr1,
Mins_221208_Rev.1.1	Ballot report 6979_finalr1,
NA LChem Liaison Report Apr2023 v1	LF-TF Meeting Minutes_20230303_publish
4_Staff Report March 2023 v3	IPA-TF Mail Meeting _20230524 (投票結果)

#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.