



Liquid Chemicals Japan TC Chapter

Meeting Summary and Minutes

Japan Winter Meetings 2026
 Thursday, January 29, 2026
 Room 1, SEMI Japan office / OVTCCM (Hybrid)
 3:00 pm - 5:30 pm JST

TC Chapter Announcements

Next TC Chapter Meeting

3:30 pm – 5:30 pm JST, May 21, 2026 @ SEMI Japan office and OVTCCM (Hybrid)

Table 1 Meeting Attendees

Italic indicates virtual participants

Co-Chairs: Yoshiyuki Fujitani (SCREEN Semiconductor Solutions Co., Ltd.) / Takuya Nagafuchi (Nihon Entegris G.K.)

SEMI Staff: Takeaki Hirabara (SEMI Japan)

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
SCREEN Semiconductor Solutions Co., Ltd.	Fujitani	Yoshiyuki	Particle Measuring Systems, Inc.	Takeshita	Mitsuyoshi
Nihon Entegris G.K.	Nagafuchi	Takuya	PILLAR Corporation	Nishi	Takashi
Pall Corporation	Nakagawa	Hisashi	Nippon Steel Stainless Steel Pipe Co., Ltd.	Miyahara	Osamu
RION CO., LTD.	Shimmura	Masaki	<i>CKD Corporation</i>	<i>Kokuryu</i>	<i>Yoshihiro</i>
Advance Electric Co., Inc.	Sasao	Kimihito	<i>Organo Corporation</i>	<i>Sugawara</i>	<i>Hiroshi</i>
Advance Electric Co., Inc.	Kaiya	Naoko	<i>Individual Participant</i>	<i>Yeh</i>	<i>Yu-Chun</i>
<i>AIST-National Institute of Advanced Industrial and Technology</i>	<i>Kato</i>	<i>Haruhisa</i>	<i>SEMI Japan</i>	<i>Yoshida</i>	<i>Akiko</i>
<i>Pall GmbH</i>	<i>Ruth</i>	<i>Jochen</i>	SEMI Japan	Koga	Nahoko
<i>RTConsults</i>	<i>Yee</i>	<i>Michael</i>	SEMI Japan	Hirabara	Takeaki

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>
Trace Metal Analysis for High Pure IPA TF	Status: Dormant

Table 4 Ballot Results

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
7254	Revision of SEMI F110-0712: TEST METHOD FOR MONO-DISPERSED POLYSTYRENE LATEX (PSL) CHALLENGE OF LIQUID FILTERS	Failed

Table 4 Ballot Results

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
7255A	Revision of SEMI C89 - Test Method for Particle Removal Performance of Liquid Filter Rated Below 30 nm with Inductively Coupled Plasma – Mass Spectroscopy (ICP-MS)	Failed

#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:

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

Table 8 Authorized Ballots

<i>#</i>	<i>When</i>	<i>TF</i>	<i>Details</i>
7267	Cycle 5, 2026	Liquid-Borne Particle Counter Task Force	Revision to 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, with title change to: Test Method for Determining the Counting Efficiency of Liquid-Borne Particle Counters for Which the Minimum Detectable Particle Size is in the Range of 20 nm and 100 nm

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

<i>#</i>	<i>TF</i>	<i>Title</i>	<i>Expiration Date</i>
6911	Liquid Filter Task Force	New Standard: Test Method For Metal Removal Performance Of Liquid Filter	March 17, 2027

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>
LC_20260129_1	SEMI Staff	Asking HQ whether SEMI can grasp the number of downloads standards document related to Liquid Chemicals.
LC_20260129_2	SEMI Staff	SEMI Staff will explore what the best approach is to distribute a support document which will be provided by Pall Corporation.

Table 13 Previous Meeting Action Items

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
None		

1 Welcome, Reminders, and Introductions

Takuya Nagafuchi (Nihon Entegris G.K.), called the meeting to order at 3:00 PM JST. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.

Attachment: 1. Required_Meeting_Element Dec 2024_JPupdated

2 Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

- Motion:** Approve the minutes as written.
- By / 2nd:** Yoshiyuki Fujitani (SCREEN Semiconductor Solutions Co., Ltd.) / Hisashi Nakagawa (Pall Corporation)
- Discussion:** None.
- Vote:** Result: 8-Y 0-N. **Motion Passed.**

Attachment: 2. 20250904_Japan LC Committee Minutes

3 Liaison Reports

3.1 *JRSC*

Takeaki Hirabara (SEMI Japan) reported a few items related to this committee verbally.

3.2 *GCS*

There are no matters to report.

3.3 *Liquid Chemicals North America TC Chapter*

Takeaki Hirabara (SEMI Japan) reported for the Liquid Chemicals North America TC Chapter. Of notes:



- Last meeting
 - SEMICON West 2025
 - Day 1: Tuesday, October 7, 13:00-16:00 Mountain Time
 - Day 2: Wednesday, October 8, 13:00-16:00 Mountain Time
 - Phoenix Convention Center in Phoenix, Arizona
- Next meeting
 - NA Winter Meetings
 - Day 1: Tuesday, February 10, 13:00-16:00 Pacific Time
 - Day 2: Wednesday, February 11, 13:00-16:00 Pacific Time (tentative)
 - Full-Virtual
- Statistical Methods TF has been status from Active to Dormant.

Attachment: 3. NA LChem Liaison Report July2025 v1

3.4 *Liquid Chemicals Europe TC Chapter*

Takeaki Hirabara (SEMI Japan) reported for the Liquid Chemicals North America TC Chapter. Of notes:

- Gases & Liquid Chemicals meet jointly
- Last meeting
 - SEMICON Europa
 - November 19, 2025
 - Munich, Germany
- Next meeting
 - SEMICON Europa
 - TBD
 - Munich, Germany
- Several standards are due for 5-year review.

Attachment: 4. EU Gases & Liquid Chemicals Liaison Report Nov2025 v1

4 SEMI Staff Report

Takeaki Hirabara gave the SEMI Staff Report. Of notes:

- Informed of 2026 calendar of SEMICON events.
- Shared the SEMICON West 2025 information which was held in Phoenix, such as the event outline, SEMI Global Standards Summit, and SEMI Standards meeting schedule.
- NA meetings plan has been changed from previously reported, the Winter Meeting will be held with Full Virtual and NA Spring meeting will be held in May in conjunction with ASMC take place in New York.
- Reported the result of SEMICON Japan 2025 including the Standards Meetings.

Attachment: 5. Staff Report_Jan 2026

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 # 7254, Revision of SEMI F110-0712: TEST METHOD FOR MONO-DISPERSED POLYSTYRENE LATEX (PSL) CHALLENGE OF LIQUID FILTERS → **Failed** and will be returned to the TF for rework.

Attachment: 6. A&R_7245

5.2 Document # 7255A, Revision of SEMI C89 - Test Method for Particle Removal Performance of Liquid Filter Rated Below 30 nm with Inductively Coupled Plasma – Mass Spectroscopy (ICP-MS) → **Failed** and will be returned to the TF for rework.

Attachment: 7. A&R_7255A

6 Subcommittee and Task Force Reports

6.1 Liquid Filter Task Force

Hisashi Nakagawa (Pall Corporation) reported for the Liquid Filter Task Force. Of notes:

- Activity
 - #7255A Revision of SEMI C89-0116: Test Method for Measuring Particle Removal Performance of Liquid Filters Rated Below 30 nm by Inductively Coupled Plasma - Mass Spectrometry (ICP-MS)
 - Ballot at CY25 Cycle 9 was conducted. Two reject votes were casted.
 - One from Eric Sklar / Safety Guru, LLC, the other from Gary Van Schooneveld / CT Associates, Inc which was on behalf of the whole UPW NA TF.
 - Both reject comments have common technical reasons. -> TF agreed to fail this document
 - #7254 Revision of SEMI F110-0712: Test Method for Mono-Dispersed Polystyrene Latex (PSL) Challenge of Liquid Filters
 - Ballot at CY25 Cycle 9 was conducted. Two reject votes were casted.
 - One from Eric Sklar / Safety Guru, LLC, the other from Gary Van Schooneveld / CT Associates, Inc which was on behalf of the whole UPW NA TF.
 - Both reject comments have common technical reasons related to “CMC” -> TF agreed to fail this document
 - #6911 New Standard: Test Method for Metal Removal Performance of Liquid Filter
 - SNARF #6911 was once expired. TF decided to continue this activity and the SNARF as been re-activated until Mar 2026 -> SNARF renewal needed
 - After interim draft approved by TF is prepared, it will be shared with global Semi members for review as overseas members mentioned their interest in this standard when this SNARF was announced.

Attachment: 8. LF-TF Meeting Minutes_20260129_presentation

6.2 Liquid-Borne Particle Counter Task Force

Masaki Shimmura (RION CO., LTD.) reported for the Liquid Borne Particle Counter Task Force. Of notes:

- Activity
 - Rework for #7267 C77-0818: TEST METHOD FOR DETERMINING THE COUNTING EFFICIENCY OF LIQUIDBORNE PARTICLE COUNTERS FOR WHICH THE MINIMUM DETECTABLE PARTICLE SIZE IS BETWEEN 30 NM AND 100 NM.
 - Plan to proceed with submission in Ballot Cycle 5.
 - Authorized Ballot (Cycle 5, 2026)
 - Motion: Masaki Shimmura (RION CO., LTD.)
 - Second: Mitsuyoshi Takeshita (Particle Measuring Systems, Inc.)
 - Discussion: None
 - Result: 11-Y 0-N / Motion Passed

Attachment: 9. 20260129_SEMI LC TC LPC TF Report

6.3 Trace Metal Analysis for High Pure IPA Task Force

There were no matters to report. TF leaders requested status change approval from Active to Dormant.

- Approval for IPA TF Status Change
- Motion: Hiroshi Sugawara (Organo Corporation)
- Second: Masaki Shimmura (RION CO., LTD.)
- Discussion: When this TF restarts, voting for approval will be had on this TC Chapter.
- Result: 8-Y 0-N / Motion Passed

Attachment: 10. IPA-TF Report_20260129

6.4 Valve & Fitting Task Force

Kimihito Sasao (Advance Electric Co., Inc.) reported for the Valve & Fitting Task Force. Of notes:

- Activity
 - The results of the investigation into valve and fitting standards were shared at the TF meeting.
 - Information was provided regarding the JIS committee on PFAS analysis methods. Members were asked to consider the necessity of a contact point and requested to email their opinions to Leader Sasao.

Attachment: 11 V&F Meeting Minutes_20260129

7 Old Business

7.1 Project Period Review

7.1.1 Approve one year extension of the project period for the SNARF: Document# 6911- New Standard, Test Method For Metal Removal Performance of Liquid Filter

- Motion: Hisashi Nakagawa (Pall Corporation)
- Second: Mitsuyoshi Takeshita (Particle Measuring Systems, Inc.)
- Discussion: None

- Result: 10-Y 0-N / Motion Passed

7.2 5 Year Review Check

None

8 New Business

8.1 Sharing white paper ideas for C79, C82 and C89 by Pall

Pall explained the concepts and objectives of the white paper. SEMI staff will investigate the most appropriate method for distribution (Axially information?). Once the approach is confirmed, SEMI Staff and Pall will decide how to proceed.

9 Action Item Review

9.1 Open Action Items

Item #	Assigned to	Details
None		

9.2 New Action Items

Item #	Assigned to	Details
LC_20260129_1	SEMI Staff	Asking HQ whether SEMI can grasp the number of downloads standards document related to Liquid Chemicals.
LC_20260129_2	SEMI Staff	SEMI Staff will explore what the best approach is to distribute a support document which will be provided by Pall Corporation.

10 Next Meeting and Adjournment

The next meeting of the Liquid Chemicals Global Technical Committee Japan TC Chapter is scheduled for May 21, 2026, 3:30pm – 5:30pm JST in SEMI Japan office and OVTCCM. For more information, please visit Standards Calendar at <https://www.semi.org/en/expositions-events/calendar> for the current list of events.

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Adjournment: 5:05pm JST

Respectfully submitted by:

Takeaki Hirabara
Standards & EHS
SEMI Japan
Email: thirabara@semi.org

Minutes tentatively approved by:

Yoshiyuki Fujitani (SCREEN Semiconductor Solutions Co., Ltd.)	February 20, 2026
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Takuya Nagafuchi (Nihon Entegris G.K.)	February 27, 2026
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Table 14 Index of Available Attachments#1

<i>Title</i>	<i>Title</i>
1. Required_Meeting_Element Dec 2024_JPupdated	2. 20250904_Japan LC Committee Minutes
3. NA LChem Liaison Report July2025 v1	4. GCS Liaison Report
5. Staff Report Jan 2026	6. A&R 7245
7. A&R 7255A	8. LF-TF Meeting Minutes 20260129 presentation
9. 20260129 SEMI LC TC LPC TF Report	10. IPA-TF Report 20260129
11. V&F Meeting Minutes 20260129	

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 Takeaki Hirabara at the contact information above