



Liquid Chemicals Global Technical Committee Japan TC Chapter

Meeting Summary and Minutes

December 8, 2022

10:00 – 12:00

SEMI Japan office + OVTCCM (Hybrid)

TC Chapter Announcements

Next TC Chapter Meeting

May 26, 10:00-12:00

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

Table 1 Meeting Attendees

Italics indicate virtual participants

Chair: Yoshiyuki Fujitani (*SCREEN Semiconductor Solutions*),

SEMI Staff: Hirofumi Kanno, Nobuko Okayasu

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
<i>SCREEN Semiconductor Solutions</i>	<i>Fujitani</i>	<i>Yoshiyuki</i>	SCREEN Semiconductor Solutions	Araki	Hiroyuki
<i>TOKYO DYLEC</i>	<i>Yanagiuchi</i>	<i>Mamoru</i>	Nihon Entegris	Nagafuchi	Takuya
<i>RION</i>	<i>Shinmura</i>	<i>Masaki</i>	<i>Pall</i>	<i>Nakagawa</i>	<i>Hisashi</i>
Organo	Sugawara	Hiroshi	SEMI Japan	Kanno	Hirohumi
AIST-National Institute of Advanced Industrial and Technology	Kato	Haruhisa	SEMI Japan	Okayasu	Nobuko

Table 2 Leadership Changes

<i>WG/TF/SC/TC Name</i>	<i>Previous Leader</i>	<i>New Leader</i>
Japan TC Chapter of Liquid Chemicals Global Technical Committee	Hiroshi Tomita / KIOXIA Fujitani Yoshiyuki / SCREEN Semiconductor Solutions	Fujitani Yoshiyuki / SCREEN Semiconductor Solutions

Table 3 Committee Structure Changes

None

Table 4 Ballot Results

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
6883	Reapproval of SEMI C89-0116 TEST METHOD FOR PARTICLE REMOVAL PERFORMANCE OF LIQUID FILTER RATED BELOW 30 nm WITH INDUCTIVELY COUPLED PLASMA – MASS SPECTROSCOPY (ICP-MS)	Failed

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

None

Table 6 Authorized Activities

None

Table 7 Authorized Ballots

#	When	TF	Details
6820A	Cycle 2 and beyond	Trace Metal Analysis for High Pure IPA TF	Rework for the #6820 New Standard: Guide for Trace Iron Analysis in High Purity IPA
6979	Cycle 2 and beyond	Liquid Borne Particle Counter	The SNARF received GCS approval and got a document number(#6979). The document is currently under construction.

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

None

Table 9 SNARF(s) Abolished

None

Table 10 Standard(s) to receive Inactive Status

None

Table 11 New Action Items

Item #	Assigned to	Details
220527-01	Trace Metal Analysis for High Pure IPA TF	To explain about the inquiry from Eric san regarding the Document #6820.

Table 12 Previous Meeting Action Items

None

1 Welcome, Reminders, and Introductions

Yoshiyuki Fujitani (SCREEN Semiconductor Solutions) called the meeting to order at 10:10. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.

Attachment: 01-01_ 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
By / 2nd: Hiroyuki Araki / SCREEN Semiconductor Solutions, Takuya Nagafuchi / Nihon Entegris
Discussion: None
Vote: 7:0 Pass
Attachment: 02-01_Mins_0527v1.0

3 Liaison Reports

3.1 *Liquid Chemicals North America TC Chapter*

Nobuko Okayasu (SEMI) reported for the NA TC Chapter.

Attachment: 03-01_NA LChem Liaison Report Nov2022 v1

3.2 *SEMI Staff Report*

Nobuko Okayasu (SEMI) gave the SEMI Staff Report.

Attachment: 03-02_Staff Report Nov 2022 v5 (1)

4 Ballot Review

NOTE1 : 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.

4.1 Document#: #6820, New Standard

GUIDE FOR TRACE IRON ANALYSIS IN HIGH PURITY 2-PROPANOL (IPA)

4.2 The ballot **failed** TC Chapter review and will be returned to the TF for rework.

Attachment: 04-01_Ballot Report_6820_20221212

5 Subcommittee and Task Force Reports

5.1 *Liquid Filter TF*

Hisashi Nakagawa (Pall) told that a SNARF for Revision of SEMI C89 is to be on the 2 Week-review.

Attachment: 05-01_C89_SNARF_Dec2022 (revision)

5.2 *Liquid-Borne Particle Counter TF*

Masaki Shimmura (Rion) reported the revision of C-77-0912: 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.

Attachment: 05-02_20221208_SEMI L&C LPC TF report

5.3 *Diaphragm Valve TF* - No Report

5.4 *Welding Fitting TF* - No Report

5.5 *Trace Metal Analysis for High Pure IPA TF*

Hiroshi Sugawara (Organo) reported for the Task Force.

05-05_Minutes_IPA-TF Meeting _20221117

Action Item:

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.

6 Old Business**6.1 5-year Review**

- SEMI F110-0712 (Reapproved 0618)
Test Method for Mono-Dispersed Polystyrene Latex (PSL) Challenge of Liquid Filters
To be further discussed in Liquid Filter TF
- 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
To be addressed in Liquid-Borne Particle Counters TF

7 New Business

- 6820A

Motion: Ballot issuance of Document 6820A in Cycle 2 2023 and beyond

By / 2nd: Hiroshi SUGAWARA / Organo Corporation, Takuya Nagafuchi / Nihon Entegris K.K.

Discussion: None

Vote: 8:0

- 6979

Motion: Ballot issuance of Document 6979 in Cycle 2 2023 and beyond

By / 2nd: MASAKI SHIMMURA / RION CO., LTD., Hiroshi SUGAWARA / Organo Corporation

Discussion: None

Vote: 8:0

DOC#6883: SNARF Proposal from Liquid Filter Task Force

Action Item:

To send a SNARF 2-week review email by SEMI staff

8 Next Meeting and Adjournment

The next meeting is scheduled for May 26, 15:00-17:00

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

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

Adjournment: 12:00.

Respectfully submitted by:

Nobuko Okayasu



SEMI Japan

Phone: 81.3332.5863

Email: nokayasu@semi.org

Minutes tentatively approved by:

Yoshiyuki Fujitani (SCREEN Semiconductor Solutions), Co-chair	2023/4/3
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Table 13 Index of Available Attachments^{#1}

<i>Title</i>	<i>Title</i>
01-01_Required Element Nov 2022_E+J	02-01_Mins_0527v1.0
03-01_NA LChem Liaison Report Nov2022 v1	03-02_Staff Report Nov 2022 v5 (1)
04-01_Ballot Report_6820_20221212	05-01_C89_SNARF_Dec2022 (revision)
05-02_20221208_SEMI L&C LPC TF report	05-05_Minutes_IPA-TF Meeting _20221117

^{#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.