

Liquid Chemical Japan TC Chapter Meeting Meeting Summary and Minutes (Draft)

SEMI Japan Standards Spring 2017 Meetings

Friday, April 21, 2017, 15:00-17:00

SEMI Japan, Tokyo, Japan

TC Chapter Announcements

Liquid Chemical Japan TC Chapter:

SEMI Japan Standards Winter 2016 Meetings

Wednesday, December 13, 10:30-12:00

SEMICON Japan 2017, Tokyo Big Sight, Tokyo, Japan

Table 1 Meeting Attendees

Co-Chairs of Gases Japan TC Chapter: Hiroshi Tomita (Toshiba Memory), Hiroyuki Araki (SCREEN Semiconductor Solutions)

SEMI Staff: Naoko Tejima (SEMI Japan)

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
SCREEN Semiconductor Solutions	Araki	Hiroyuki	Nihon Entegris	Nagafuchi	Takuya
Organo	Futatsuki	Takashi	Organo	Sugawara	Hiroshi
Daikin Industries	Hamada	Hiroyuki	Toshiba Memory Corporation	Tomita	Hiroshi
AIST	Kato	Haruhisa	Pall	Tuzuki	Shuichi
Rion	Kondo	Kaoru	Kurita Water Industries	Yokoi	Ikunori
Pall	Mizuno	Takehito	SEMI Japan	Tejima	Naoko

* alphabetical order by last name

Table 2 Leadership Changes

None.

Table 3 Ballot Results

None.

Table 4 Authorized Activities

<i>Doc.#</i>	<i>Type</i>	<i>SC/TF/WG</i>	<i>Details</i>
6197	SNARF	Liquid Filter TF	Reapproval of SEMI F110-0712, Test Method for Mono-Dispersed Polystyrene Latex (PSL) Challenge of Liquid Filters <i>*TC Member Review is not required.</i>
6196	SNARF	Liquid-borne Particle Counter TF	Reapproval of SEMI 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 <i>*TC Member Review is not required.</i>

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

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

Table 5 Authorized Ballots
FPD M&C Japan TC Chapter

<i>Doc.#</i>	<i>When</i>	<i>SC/TF/WG</i>	<i>Details</i>
6197	Cycle 5, 2017	Liquid Filter TF	Reapproval of SEMI F110-0712, Test Method for Mono-Dispersed Polystyrene Latex (PSL) Challenge of Liquid Filters
6196	Cycle 7, 2017	Liquid-borne Particle Counter TF	Reapproval of SEMI 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

Table 6 New Action Items

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
LC170421-1	SEMI	To send the “Table of Contents and Section Contents” and “Appendix 3” of Procedure Manual to the attendees.
LC170421-2	SEMI	To prepare reapproval SNARF of <i>SEMI F110-0712, Test Method for Mono-Dispersed Polystyrene Latex (PSL) Challenge of Liquid Filters</i>
LC170421-3	SEMI	To submit reapproval ballot of <i>SEMI F110-0712, Test Method for Mono-Dispersed Polystyrene Latex (PSL) Challenge of Liquid Filters</i> , for Cycle 5, 2017.
LC170421-4	SEMI	To prepare reapproval SNARF of <i>SEMI 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</i>
LC170421-5	SEMI	To submit reapproval ballot of <i>SEMI 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</i> , for Cycle 7, 2017.

1 Welcome, Reminders, and Introductions

Hiroshi Tomita, committee co-chair, 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.

2 Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

It was pointed following:

- Group name “Ultrapur Water Evaluation Study Group” should be corrected to “Ultrapur Liquid Evaluation Study Group”. Also, subsequent text should be corrected.

Motion: To approve the minutes of the previous meeting as written after the above point is corrected.

By / 2nd: Hiroyuki Araki (SCREEN Semiconductor Solutions) / Takuya Nagafuchi (Nihon Entegris)

Discussion: None

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

Attachment: 01_JA_LC_Previous_Mtg_Minutes_170421

3 SEMI Staff Report

Naoko Tejima gave the SEMI staff report. This report included SEMI Global 2017 Calendar of Events, Global Standards Meeting Schedule, 2017 Critical Dates for SEMI Standards Ballots, A&R Ballot Review, SEMI Standards Publications, PPT Template Update, JRSC Organization Chart, SEMI TSUSHIN, Global Staff Assignment and Staff Contact Information.

Attachment: 02_SEMI_Staff_Report_170421

Attachment: 03_Table_of_Contents_and_Section_Contents_and_Appendix_3_of_Procedure_Manual_170421

Action Item: SEMI to send the “Table of Contents and Section Contents” and “Appendix 3” of Procedure Manual to the attendees.

4 Liaison Reports

4.1 Liquid Chemical North America TC Chapter

Naoko Tejima reported for the Liquid Chemical North America TC Chapter. This report included Leadership, N.A. Liquid Chemicals TC Updated Organization Chart, Meeting Information, Ballot Results, Ballots to be Issued for SEMICON West 2017 Meetings Adjudication (and beyond), 5 Year Review, SNARFs 3 Year Status, Task Force Status Updates, Next Meeting Schedule and Contact Information

Attachment: 04_NA_LC_Liaison_Report_170421

4.2 Gases and Liquid Chemical Europe TC Chapter

No report was provided.

5 Subcommittee and Task Force Reports

5.1 Diaphragm Valve Task Force

Co-leaders of the Diaphragm Valve Task Force did not participate in and the report was not provided.

5.2 Welding Fitting Task Force

Co-leaders of the Welding Fitting Task Force did not participate in and the report was not provided.

5.3 Liquid Filter Task Force

Takuya Nagafuchi (Nihon Entegris), co-leader, reported for the Liquid Filter Task Force. The following document is for 5 year review.

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

Motion: To submit reapproval ballot of SEMI F110-0712, *Test Method for Mono-Dispersed Polystyrene Latex (PSL) Challenge of Liquid Filters with some editorial changes*, for Cycle 5, 2017.

By / 2nd: Takuya Nagafuchi (Nihon Entegris) / Takehito Mizuno (Pall)

Discussion: None.

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

Attachment: 05_Liquid_Filter_TF_Meeting_Minutes_170421

Attachment: 06_Reapproval_SNARF_of_SEMI_F110-0712_170421

Action Item: SEMI to prepare reapproval SNARF of SEMI F110-0712.

Action Item: SEMI to submit reapproval ballot of F110-0712 for Cycle 5, 2017.

5.4 Liquid-borne Particle Counter Task Force

Kaoru Kondo (Rion), co-leader, reported for the Liquid-borne Particle Counter Task Force. The following document is for 5 year review

- *SEMI 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*

Motion: To submit reapproval ballot of SEMI 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 some editorial changes*, for Cycle 7, 2017.

By / 2nd: Kaoru Kondo (Rion) / Takuya Nagafuchi (Nihon Entegris)

Discussion: None.

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

Attachment: 07_Reapproval_SNARF_of_SEMI_C77-0912_170421

Action Item: SEMI to prepare reapproval SNARF of SEMI C77-0912.

Action Item: SEMI to submit reapproval ballot of C77-0912 for Cycle 7, 2017.

5.5 Ultrapure Liquid Evaluation Study Group

Kaoru Kondo (Rion), co-leader, reported for the Ultrapure Liquid Evaluation Study Group. Of note:

- Study Group will decide its activities should be continue or not, depends on the result of study from INE.

6 Old Business

6.1 Previous Meeting Action Items

Naoko Tejima reviewed the previous meeting action items.

Table 7 Previous Meeting Action Items

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
LC161214-1	SEMI Staff	To arrange a meeting to discuss about a new group to succeed the activities such as “WECC of ITRS” and connect to new standards activities if it needed, with members involved separately from Standards Meeting. ... Closed
LC161214-2	SEMI Staff	To report CGMG & SCIS activities at the next meeting. ... Closed

7 New Business

None.

8 Action Item Review

8.1 New Action Items

Naoko Tejima reviewed the new action items. These can be found in the New Action Items table at the beginning of these minutes.

9 Next Meeting and Adjournment

The next meeting of the Liquid Chemical Japan TC Chapter is scheduled for Wednesday, December 13, 10:30-12:00, in conjunction with SEMICON Japan 2017, SEMI Japan, Tokyo, Japan.

See <http://www.semi.org/en/events> for the current list of meeting schedules.

Having no further business, a motion was made to adjourn. Adjournment was at 12:00.

Respectfully submitted by:
 Naoko Tejima
 Manager, Standards
 SEMI Japan
 Phone: +81.3.3222.5804
 Email: ntejima@semi.org

Minutes approved by:

Hiroshi Tomita (Toshiba Memory), Co-chairs	April 30, 2017
Hiroyuki Araki (SCREEN Semiconductor Solutions), Co-chairs	April **, 2017

Table 8 Index of Available Attachments #1

#	Title
1	JA_LC_Previous_Mtg_Minutes_170421
2	SEMI_Staff_Report_170421
3	Table_of_Contents_and_Section_Contents_and_Appedix_3_of_Procedure_Manual_170421
4	NA_LC_Liaison_Report_170421
5	Liquid_Filter_TF_Meeting_Minutes_170421
6	Reapproval_SNARF_of_SEMI_F110-0712_170421
7	Reapproval_SNARF_of_SEMI_C77-0912_170421

#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 Naoko Tejima. SEMI Japan at the contact information above.