

## Japan TC Chapter of Liquid Chemicals Global Technical Committee Meeting Summary and Minutes

Japan Standards Winter 2014 Meetings in conjunction with SEMICON Japan 2014  
Wednesday, December 3, 2014, 3:10 p.m. – 5:10 p.m.  
Tokyo Big Sight Conference Tower, Tokyo

### Next Committee Meeting

To be decided

### Committee Announcements (optional)

None

### Table 1 Meeting Attendees

**Co-Chairs:** Hiroshi Tomita (Toshiba), Hiroyuki Araki (Dainippon Screen Manufacturing)

**SEMI Staff:** Chie Yanagisawa (SEMI Japan)

**Attendee:** 11 + **SEMI:** 1

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
Advance Electric Company	Sasao	Kimihito	Rion	Kondo	Kaoru
Nihon Entegris	Nagafuchi	Takuya	SCREEN Semiconductor Solutions	Araki	Hiroyuki
Nihon Gore	Hiraoka	Eri	Spectris	Kato	Kazutoshi
Nihon Pall	Tsuzuki	Shuichi	Swagelok	Ishida	Noritsugu
Nippon Pillar Packing	Fujii	Makoto	Toshiba	Tomita	Hiroshi
Organo	Sugawara	Hiroshi	SEMI Japan	Yanagisawa	Chie

*\*Alphabetical order by company name*

### Table 2 Leadership Changes

<i>Group</i>	<i>Previous Leader</i>	<i>New Leader</i>
Liquid Chemicals ESD Study Group	Keiichi Yamakawa / NihonGore Takuya Nagafuchi / Nihon Entegris	The study group was discharged.

### Table 3 Ballot Results (or move to Section 4, Ballot Review)

None

### Table 4 Authorized Ballots (or move to Section 7, New Business)

None

### Table 5 Authorized Activities (or move to Section 7, New Business)

None

### Table 6 New Action Items (or move to Section 8, Action Item Review)

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
20141203-1	Kimihito Sasao (Advance Electric Company)	To communicate and discuss with the document author, Shigeru Ohsugi (CKD), on the action which status, revision, reapproval, withdraw or inactive, Diaphragm Valve task force should propose for SEMI F108-0310 by the next meeting of Japan TC Chapter of Liquid Chemicals Global Technical Committee.

**Table 7 Previous Meeting Actions Items (or move to Section 8, Action item Review)**

Item #	Assigned to	Details
20140630-1	SEMI Staff	To request the LOA for Doc. 5421A to the patent holder => CLOSE

## 1 Welcome, Reminders, and Introductions

Hiroshi Tomita (Toshiba), the co-chair, called the meeting to order at 3:10 p.m. 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 committee reviewed the minutes of the previous meeting.

<b>Motion:</b>	To approve the minutes of the previous meeting with deleting the claim numbers of the published application at "4 Ballot Review" section
<b>By / 2<sup>nd</sup>:</b>	Hiroyuki Araki (SCREEN Semiconductor Solutions) / Takuya Nagafuchi (NihonEntegris)
<b>Discussion:</b>	None
<b>Vote:</b>	9 in favor and 0 opposed. <b>Motion passed.</b>

## 3 Liaison Reports

### 3.1 Europe Gases and Liquid Chemicals TC Chapter

Chie Yanagisawa (SEMI Japan) reported as attached.

**Attachment:** [01\\_141022\\_GLC\\_Europe\\_LiaisonReport](#)

### 3.2 North America Liquid Chemicals TC Chapter

Chie Yanagisawa (SEMI Japan) reported as attached. Of note:

- New Activities
  - Line item revision to SEMI C69-0611, Test Method for the Determination of Surface Areas of Polymer Pellets
  - New Standard: Test Method for Testing PFA Materials Used In Liquid Chemical Distribution Systems
- Upcoming Ballot
  - 5621B: New Standard: Test Method for Determining the Quality of Ion Exchanged Resin Used in Polish Applications of Ultrapure Water System
  - 5810: New Standard: Test Method for Testing PFA Materials Used In Liquid Chemical Distribution Systems
  - 5809: Line item revision to SEMI C69-0611, Test Method for the Determination of Surface Areas of Polymer Pellets
  - 5642A: Revision to SEMI C35-0708, Specifications and Guideline for Nitric Acid with title change to: Specification and Guide for Nitric Acid
  - Revision to Specifications and Guidelines for Hydrochloric Acid with title change to: Specification and Guide for Hydrochloric Acid

**Attachment:** [02\\_NA LChem Report NOV 2014 MT](#)

### 3.3 SEMI Staff Report

Chie Yanagisawa (SEMI Japan) gave the SEMI Staff Report. Of note:

- Global SEMI Events
- Global Standards Meetings Schedule
- Ballot Critical Dates
- New Regulations and Procedure guide
- Publication Update
- Contact Information

**Attachment:** [03\\_SEMI Staff Report 2014 December\\_R0.3](#)

## 4 Ballot Review

None

## 5 Subcommittee & Task Force Reports

### 5.1 Diaphragm Valve Task Force

Kimihito Sasao (Advance Electric Company), co-leader, reported for the task force that there had been no activity.

### 5.2 Welding Fitting Task Force

Kimihito Sasao (Advance Electric Company), co-leader, reported for the task force that there had been no activity.

### 5.3 Liquid Filter Task Force

Takuya Nagafuchi (Nihon Entegris), the co-leader, reported that the task force had been waiting for the LOA for Document 5421A. He also made a statement that the task force meeting would not be held for a while because there was no issue to discuss.

### 5.4 Liquid-borne Particle Counter Task Force

Kaoru Kondo (Rion), co-leader, reported for the task force that there had been no activity.

### 5.5 Ultrapure Liquid Evaluation Study Group

Kaoru Kondo (Rion), co-leader, reported that the task force had been considering to standardize the particle measurement at POP in future and would ask a cooperation by Interfacial Nano Electrochemistry for seeking the solution to the issues concerned to analyzing metals and liquated silica in IPA.

### 5.6 Liquid Chemicals ESD Study Group

Hiroshi Tomita (Toshiba), co-chair, stated that the study group had found it difficult to standardize the evaluation method of electrostatic charge generated with flow of liquid chemical or ultrapure water in di-electric component. So the proposal to discharge Liquid Chemicals ESD Study Group was made as following.

<b>Motion:</b>	To approve the discharge of Liquid Chemicals ESD Study Group
<b>By / 2<sup>nd</sup>:</b>	Hiroyuki Araki (SCREEN Semiconductor Solutions) / Takuya Nagafuchi (NihonEntegris)
<b>Discussion:</b>	None
<b>Vote:</b>	9 in favor and 0 opposed. <b>Motion passed.</b>

## 6 Old Business

None

## 7 New Business

7.1 Action for SEMI F108-0310 “Guide for Integration of Liquid Chemical Piping Components for Semiconductor, Flat Panel Display, and Solar Cell Manufacturing Applications”

Kimihito Sasao, co-leader of Diaphragm Valve task force, mentioned that the task force could not have discussion on the action for SEMI F108 and he would communicate and discuss with Shigeru Ohsugi, co-leader, on the action for SEMI F108. He also referred SEMI F108 was not practically utilized recently.

The task force would propose an action for this document to be approved at the next meeting of Japan TC Chapter of Liquid Chemicals Global Technical Committee.

**Action Item #1:** Kimihito Sasao (Advance Electric Company) to communicate and discuss with the document author and the co-leader, Shigeru Ohsugi (CKD), on the action which status, revision, reapproval, withdraw or inactive, Diaphragm Valve task force should propose for SEMI F108-0310 by the next meeting of Japan TC Chapter of Liquid Chemicals Global Technical Committee.

## 8 Action Item Review

### 8.1 Open Action Items

None

### 8.2 New Action Items

Chie Yanagisawa (SEMI Japan) reviewed the new action item. This 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 Japan TC Chapter of Liquid Chemicals Global Technical Committee is to be decided.

Having no further business, a motion was made by Hiroshi Tomita, co-chair, to adjourn the Japan Liquid Chemicals TC Chapter meeting at SEMI Japan office. The meeting unanimously adjourned at 5:10 p.m.

Respectfully submitted by:  
Chie Yanagisawa  
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SEMI Japan  
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Minutes approved by:

Hiroshi Tomita (Toshiba), Co-chair	March 19, 2015
Hiroyuki Araki (SCREEN Semiconductor Solutions), Co-chair	March 20, 2015

**Table 8 Index of Available Attachments** <sup>#1</sup>

#	Title	#	Title
01	141022_GLC_Europe_LiaisonReport		
02	NA LChem Report NOV 2014 MT		
03	SEMI Staff Report 2014 December_R0.3		

#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](http://www.semi.org). For additional information or to obtain individual attachments, please contact [SEMI Staff Name] at the contact information above.