Next Committee Meeting
Liquid Chemicals Japan TC Chapter:
SEMI Japan Standards Spring 2016 Meetings
Friday, May 13, 2016, 15:00-17:00

Table 1 Meeting Attendees
Co-Chairs of Gases Japan TC Chapter: Hiroshi Tomita (Toshiba), Hiroyuki Araki (SCREEN Semiconductor Solutions)
SEMI Staff: Naoko Tejima (SEMI Japan)

<table>
<thead>
<tr>
<th>Company</th>
<th>Last</th>
<th>First</th>
<th>Company</th>
<th>Last</th>
<th>First</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCREEN Semiconductor Solutions</td>
<td>Araki</td>
<td>Hiroyuki</td>
<td>Organo</td>
<td>Sugawara</td>
<td>Hiroshi</td>
</tr>
<tr>
<td>Spectris</td>
<td>Kato</td>
<td>Kazutoshi</td>
<td>Toshiba (Through Teleconference)</td>
<td>Tomita</td>
<td>Hiroshi</td>
</tr>
<tr>
<td>Rion</td>
<td>Kondo</td>
<td>Kaoru</td>
<td>Da Pont-Mitsui Fluorochemicals</td>
<td>Yabe</td>
<td>Hiromasa</td>
</tr>
<tr>
<td>Nihon Entegris</td>
<td>Nagafuchi</td>
<td>Takuya</td>
<td>Kurita Water Industries</td>
<td>Yokoi</td>
<td>Ikunori</td>
</tr>
<tr>
<td>Advance Electric Company</td>
<td>Sasao</td>
<td>Kimihito</td>
<td>SEMI Japan</td>
<td>Tejima</td>
<td>Naoko</td>
</tr>
</tbody>
</table>

*alphabetical order by last name

Table 2 Leadership Changes
None.

Table 3 Ballot Results
None.

Table 4 Authorized Ballots
None.

Table 5 New Action Items
Outstanding Action Items

<table>
<thead>
<tr>
<th>Item #</th>
<th>Assigned to</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>20141203-1</td>
<td>Kimihito Sasao (Advance Electric Company)</td>
<td>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.</td>
</tr>
</tbody>
</table>

1 Welcome, Reminders, and Introductions

Hiroyuki Araki, committee co-chair, called the meeting to order at 10:30. Self-introductions were made followed by the agenda review.

2 Required Meeting Elements

The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed by SEMI staff, Naoko Tejima.
3 Review of Previous Meeting Minutes

The committee reviewed the minutes of the previous meeting held on December 3, 2014.

**Motion:** To approve the minutes of the previous meeting as written.
**By / 2nd:** Takuya Nagafuci, (Nihon Entegris) / Kaoru Kondo (Rion)
**Discussion:** None
**Vote:** 7 in favor and 0 opposed. **Motion passed.**
**Attachment:** 01_JA_LC_Previous_Mtg_Minutes_151216

4 SEMI Staff Report

Naoko Tejima gave the SEMI staff report. This report included SEMI Global 2015 & 2016 Calendar of Events, Global Standards Meeting Schedule, 2016 Critical Dates for SEMI Standards Ballots, SEMI Standards Publication, Outline of SEMICON Japan 2015, 2015 Standards Award, Published Standards due for 5-year Reviews, 3-year SNRAF Project Period, Nonconforming Titles, and Contact Information.

**Attachment:** 02_SEMI_Staff_Report_151216

5 Liaison Reports

5.1 Liquid Chemical North America TC Chapter Report

Naoko Tejima reported for the Liquid Chemicals North America TC Chapter. This report included Leadership, Current Committee Organization, Meeting Information, New/Revised Activities, Ballot Review Summary, Current Ballot, Task Force Updates, Upcoming Meeting Schedule and Contact Information.

**Attachment:** 03_NA_Liquic Chemical_Liaison_Report_151216

5.2 Liquid Chemical Europe TC Chapter Report

No report was provided.

6 Task Force Reports

6.1 Diaphragm Valve Task Force

Kimihiro Sasao (Advance Electric Company), co-leader, reported for the task force that there were not particular activities.

6.2 Welding Fitting Task Force

Kimihiro Sasao (Advance Electric Company), co-leader, reported for the task force that there were not particular activities.

6.3 Liquid Filter Task Force

Takuya Nagafuci (Nihon Entegris), the co-leader, reported for the task force that there were not particular activities in 2015.

TF leaders are final proofing Doc. 5421A, New Standard: Test Method for Particle Removal Performance of Liquid Filter Rated below 30 nm with ICP-MS and it will be published soon.

SEMI F110-0712, Test Method for Mono-Dispersed Polystyrene Latex (PSL) Challenge of Liquid Filters will be reviewed in 2017 for 5-year-review.

6.4 Liquid-borne Particle Counter Task Force

Kaoru Kondo (Rion), co-leader, reported for the task force that there were not particular activities in 2015.

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 will be reviewed in 2017 for 5-year-review.
6.5 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 TF would ask a cooperation by Interfacial Nano Electrochemistry for seeking the solution to the issues concerned to analyzing metals of organic solvent including IPA.

7 Old Business

7.1 Previous Meeting Action Items

Naoko Tejima reviewed the previous meeting action items.

Table 6 Previous Meeting Actions Items

<table>
<thead>
<tr>
<th>Item #</th>
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</tr>
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<tbody>
<tr>
<td>LC 141203-01</td>
<td>Kimihito Sasao (Advance Electric)</td>
<td>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. … Open</td>
</tr>
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8 New Business

None.

9 Action Item Review

9.1 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.

10 Next Meeting and Adjournment

The next meeting of the Liquid Chemicals Japan TC Chapter is scheduled for Friday, May 13, 2016, 15:00-17:00, SEMI Japan, Tokyo, Japan.
Table 7 Index of Available Attachments #1

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<td>1</td>
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<td>2</td>
<td>SEMI_Staff_Report_151216</td>
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<tr>
<td>3</td>
<td>NA_Liquid_Chemical_Liaison_Report_151216</td>
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</tbody>
</table>

#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 at the contact information above.