Meeting Summary and Minutes

Japan Standards Summer 2016 Meetings
Thursday, July 28, 2016, 13:30 – 17:00
SEMI Japan office, Tokyo, Japan

TC Chapter Announcements

Next TC Chapter Meeting
Wednesday, December 14, 2016 (TBD)
Tokyo Big Sight, Conference Tower, Tokyo, Japan

Table 1 Meeting Attendees

*Italics indicate virtual participants*

<table>
<thead>
<tr>
<th>Company</th>
<th>Last</th>
<th>First</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acteon NEXT</td>
<td>Komatsu</td>
<td>Shoji</td>
</tr>
<tr>
<td>Daifuku</td>
<td>Yamagata</td>
<td>Kenji</td>
</tr>
<tr>
<td>Hirata Corporation</td>
<td>Toyoda</td>
<td>Noriyoshi</td>
</tr>
<tr>
<td>Hitachi Kokusai Electric</td>
<td>Matsuda</td>
<td>Mitsuhiro</td>
</tr>
<tr>
<td>Kumai Consulting</td>
<td>Kumai</td>
<td>Sadao</td>
</tr>
<tr>
<td>Nihon Entegris</td>
<td>Fukunaga</td>
<td>Tsukasa</td>
</tr>
<tr>
<td></td>
<td>SEMI Japan</td>
<td>Yanagisawa</td>
</tr>
</tbody>
</table>

Table 2 Leadership Changes

<table>
<thead>
<tr>
<th>Group</th>
<th>Previous Leader</th>
<th>New Leader</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIC Japan TC Chapter</td>
<td>*Tsutomu Okabe (TDK) will step down as a co-chair at the next PIC Japan TC Chapter meeting.</td>
<td>Noriyoshi Toyoda (Hirata Corporation) is nominated as a co-chair and to be appointed by JRSC.</td>
</tr>
</tbody>
</table>

Table 3 Ballot Results

*Passed* ballots and line items will be submitted to the ISC Audit & Review Subcommittee for procedural review.

*Failed* ballots and line items were returned to the originating task forces for re-work and re-balloting.

<table>
<thead>
<tr>
<th>Document #</th>
<th>Document Title</th>
<th>Committee Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Table 4 Authorized Activities

<table>
<thead>
<tr>
<th>#</th>
<th>Type</th>
<th>SC/TF/WG</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>5869</td>
<td>SNARF withdrawal</td>
<td>Global PIC Maintenance TF</td>
<td>Line Item Revision to SEMI E84-1109, Specification for Enhanced Carrier Handoff Parallel I/O Interface</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>#</th>
<th>When</th>
<th>SC/TF/WG</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Table 6 New Action Items

<table>
<thead>
<tr>
<th>Item #</th>
<th>Assigned to</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>20160728-01</td>
<td>Chie Yanagisawa (SEMI Japan)</td>
<td>To request Laura Nguyen (SEMI NA) to resend the GCS voting request for proposal to add Related Information to SEMI E111 and References to SEMI E19, E112, and E117 with the extension of the voting deadline.</td>
</tr>
</tbody>
</table>

Table 7 Previous Meeting Action Items

<table>
<thead>
<tr>
<th>Item #</th>
<th>Assigned to</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>20160414-01</td>
<td>Shoji Komatsu (Acteon)</td>
<td>To contact and ask SEMI NA Staff to correct the name of the task force “SMTF” to “Global PIC Maintenance TF” on North America liaison report, because the formal name should be used for the report. =&gt; CLOSE</td>
</tr>
</tbody>
</table>
1 Welcome, Reminders, and Introductions
Kenji Yamagata (DAIFUKU) called the meeting to order at 13:30. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.
Attachment: 01, Required_Elements_Reg_20150327_E+J

2 Review of Previous Meeting Minutes
The TC Chapter reviewed the minutes of the previous meeting.

Motion: Approve the previous meeting minutes with an editorial change.
By / 2nd: Sadao Kumai (Kumai Consulting) / Mitsuhiro Matsuda (Hitachi Kokusai Electric)
Discussion: None
Vote: 8 in favor and 0 opposed. Motion passed.

3 Liaison Reports
3.1 PIC Europe TC Chapter
Chie Yanagisawa (SEMI Japan) reported for the PIC Europe TC Chapter. Of note:
- Leadership
- Organization Chart
- Meeting Information
- Task Force Reports
- Next Meeting Schedule

Attachment: 02, EuropePIC_July2016

3.2 North America Japan TC Chapter
Kenji Yamagata (DAIFUKU) reported for the PIC North America TC Chapter. Of note:
- Leadership Changes
- Organization Chart
- Meeting Information
- Ballot Results
- New Activities
- Task Force Reports
- Next Meeting Schedule

Attachment: 03, NA PIC Liaison Report July2016

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

- SEMI Global 2016 Calendar of Events
- 2016 SEMI Standards Excellence Award
- Global Standards Meeting Schedule
- 2016 Critical Dates for SEMI Standards Ballots
- A&R Ballot Review
- SEMI Standards Publications
- PPT Template Update
- JRSC Topics
- Standards articles on SEMI Japan e-mail newsletter
- Staff update
- Staff Contact Information

Attachment: 04, SEMI Staff Report 20160727_v2.0

4 Ballot Review

None

5 Subcommittee and Task Force Reports

5.1 Global PIC Standards Maintenance TF

Shoji Komatsu (Acteon NEXT) reported for the Global PIC Standards Maintenance Task Force as the attached report for the SEMICON West 2016. He also proposed as following.

Motion: Approve withdrawal of SNARF 5869 (Line Item Revision to SEMI E84-1109)
By / 2nd: Shoji Komatsu (Acteon NEXT) / Makoto Yamamoto (Yamamoto Planning)
Discussion: Shoji Komatsu made a comment that the TF could not have found the way to solve the issues pointed out in the negatives to the ballot within the scope of the SNARF. He also added that there was no volunteer for this activity.
Vote: 8 in favor and 0 opposed. Motion passed.

Attachment: 05, PIC MTF Report July 2016 edits 20160713+LH

5.2 International 450 mm PIC TF

Shoji Komatsu (Acteon NEXT) reported for the International 450 mm PIC Task Force as attached.

Attachment: 06, JA450mm IPIC TF 160728 meeting minutes_R1.0

5.3 International Reticle SMIF Pod & Load Port Interoperability TF

Chie Yanagisawa (SEMI Japan) reported for the International Reticle SMIF Pod & Load Port Interoperability Task Force as the attached file provided from the TF leader. She added that per Regulations Section 14.3.1.2 the GCS...
voting was going on for proposal to add Related Information to SEMI E111 and References to SEMI E19, E112, and E117. This was approved by the PIC NA TC Chapter on July 13, 2016 at the SEMICON West 2016 Standards meeting.

During this report, it was found out that one of the GCS members, Tsutomu Okabe (TDK), was not included for this GCS voting request from the Laura Nguyen (SEMI NA Staff). So, Chie Yanagisawa (SEMI Japan) was assigned to carry the following Action Item.

**Action Item:** 20160728-01, Chie Yanagisawa (SEMI Japan) to request Laura Nguyen (SEMI NA) to resend the GCS voting request for proposal to add Related Information to SEMI E111 and References to SEMI E19, E112, and E117 with the extension of the voting deadline.

**Attachment:** 07, 2016-07-28_RSP-LP-Interoperability-TF-Report

### 5.4 Fiducial Mark Interoperability TF

Mitsuhiro Matsuda (Hitachi Kokusai Electric) reported for the Fiducial Mark Interoperability Task Force as attached. He also mentioned that the TF was considering to make a proposal of discharge the TF at the next Japan TC Chapter meeting.

**Attachment:** 08, 20160615FMI-TF-Report_r1

### 5.5 (Japan Chapter of Silicon Wafer TC) JA Shipping Box TF

Shoji Komatsu (Acteon NEXT) reported for the JA Shipping Box Task Force that the TF planned to make 5 year review for SEMI M26 and SEMI M29 at the next TF meeting to be held on July 29, 2016.

### 5.6 (Japan Chapter of Silicon Wafer TC / NA Chapter of PI&C TC) Int'l 450mm Shipping Box TF

Shoji Komatsu (Acteon NEXT) reported for the Int'l 450mm Shipping Box Task Force that there was no activity.

### 6 Old Business

None

### 7 New Business

#### 7.1 5 Year Review

**7.1.1 SEMI E84-1109**

Shoji Komatsu (Acteon NEXT) addressed the committee on this topic. He made a comment that the Global PIC Standards Maintenance TF would discuss what to do for SEMI E84-1109 and then propose any action at the next Japan TC Chapter meeting in conjunction with SEMICON Japan 2016. So, the TC Chapter requested SEMI Staff to hold change of the document status until the end of 2016.

**7.1.2 SEMI E23-1104 (Reapproved 0710)**

The TC Chapter did not decide any further support action to SEMI E23-1104 (Reapproved 0710) and let it go inactive.

#### 7.2 Co-chairs step down and appointment

One of the co-chairs, Tsutomu Okabe (TDK), expressed his step down. He will formally step down at the next Japan TC Chapter meeting in conjunction with SEMICON Japan 2016. So, the following proposal was made.
Motion: Suggestion that Noriyoshi Toyoda (Hirata Corporation) is nominated as a co-chair and to be appointed by JRSC at the next JRSC meeting on August 26, 2016.
By / 2nd: Mitsuhiro Matsuda (Hitachi Kokusai Electric) / Makoto Yamamoto (Yamamoto Planning)
Discussion: None
Vote: 8 in favor and 0 opposed. Motion passed.

8 Next Meeting and Adjournment

The next meeting is tentatively scheduled for Wednesday, December 14, 2016 at Tokyo Big Sight in conjunction with SEMICON Japan 2016. 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 17:00.
Respectfully submitted by:
Chie Yanagisawa
Manager
SEMI Japan
Phone: +81.3.3222.5863
Email: cyanagisawa@semi.org

Minutes tentatively approved by:

<table>
<thead>
<tr>
<th>Name</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tsutomu Okabe (TDK), Co-chair</td>
<td>October 3, 2016</td>
</tr>
<tr>
<td>Kenji Yamagata (DAIFUKU), Co-chair</td>
<td>October 3, 2016</td>
</tr>
<tr>
<td>Noriyoshi Toyoda (Hirata Corporation)</td>
<td>October 4, 2016</td>
</tr>
</tbody>
</table>

Table 8 Index of Available Attachments

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#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.